APPENDIX 5.2C

California Natural Diversity Database Search Results

Actinemys marmorata

western pond turtle

Element Code: ARAAD02030

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3G4
State: S3

Other Lists
CDFG Status: SC

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

Occurrence No. 139 **Map Index:** 39692 **EO Index:** 34694
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1998-08-14
Site: 1998-08-14
Record Last Updated: 1998-09-10

Quad Summary: Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.33447º / -122.01421º
UTM: Zone-10 N4243386 E586155
Radius: 80 meters
Elevation: 210 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01W
Section: 30 **Qtr:** XX
Meridian: M

Location: NW END OF LAGOON VALLEY RESERVOIR, SW OF VACAVILLE.

Location Detail: SITE CONSISTS OF A CHANNEL NEAR THE OUTLET OF LAGOON VALLEY RESERVOIR.

Ecological: CHANNEL HAS MODERATE RIPARIAN COVER OF WILLOW, WITH SPARSE STANDS OF SCIRPUS AND TYPHA ALONG THE MARGINS. RORIPPA AND ALGAL MATS COVER ~30% OF THE WATER SURFACE. BASKING SITES CONSISTS OF LARGE, DOWNED WILLOW LIMBS.

General: 3 ADULTS OBSERVED BASKING ON WOODY DEBRIS. BULLFROGS AND RIVERS OTTERS ARE ALSO PRESENT AT THIS SITE.

Owner/Manager: UNKNOWN

Occurrence No. 200 **Map Index:** 48008 **EO Index:** 48008
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-02
Site: 2002-04-02
Record Last Updated: 2002-05-28

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.15213º / -122.11682º
UTM: Zone-10 N4223063 E577381
Radius: 80 meters
Elevation: 16 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 32 **Qtr:** NW
Meridian: M

Location: WEST SIDE OF HIGHWAY 680, 7.25 MILES SSW OF FAIRFIELD

Ecological: HABITAT CONSISTS OF A STOCK POND WITH LOTS OF EMERGENT VEGETATION (MAINLY COCKLEBUR); POND IS SITUATED IN AN EPHEMERAL DRAINAGE, SURROUNDED BY NON-NATIVE GRASSLAND. TARICHA TOROSA, HYLA REGILLA, AND CYZICUS CALIFORNICUS ALSO PRESENT.

Threat: THREATENED BY ERSOION OF THE EARTHEN DAM THAT HOLDS BACK THE WATER IN THE DRAINAGE.

General: 7 INDIVIDUALS OBSERVED ON 1-2 APR 2002.

Owner/Manager: PVT

Actinemys marmorata marmorata

northwestern pond turtle

Element Code: ARAAD02031

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3G4T3
State: S3

Other Lists
CDFG Status: SC

Habitat Associations
General: ASSOCIATED WITH PERMANENT OR NEARLY PERMANENT WATER IN A WIDE VARIETY OF HABITATS.
Micro: REQUIRES BASKING SITES. NESTS SITES MAY BE FOUND UP TO 0.5 KM FROM WATER.

Occurrence No. 41 **Map Index:** 32701 **EO Index:** 1329
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-05-29
Site: 1990-05-29
Record Last Updated: 1995-11-07

Quad Summary: Allendale (3812148/498B), Winters (3812158/514C)
County Summary: Yolo, Solano

Lat/Long: 38.50940º / -121.97557º
UTM: Zone-10 N4262833 E589317
Radius: 1 mile
Elevation: 125 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 01W
Section: 28 **Qtr:** XX
Meridian: M

Location: SSE OF WINTERS; ALONG PUTAH CREEK AND UNNAMED TRIBUTARY.
General: UNKNOWN NUMBERS OBSERVED DURING SURVEY; NO OTHER INFORMATION GIVEN.
Owner/Manager: UNKNOWN

Occurrence No. 101 **Map Index:** 38446 **EO Index:** 33453
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1997-04-08
Site: 1997-04-08
Record Last Updated: 1998-03-25

Quad Summary: Mt. Vaca (3812241/499A)
County Summary: Solano

Lat/Long: 38.43951º / -122.11486º
UTM: Zone-10 N4254952 E577247
Radius: 80 meters
Elevation: 2,360 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02W
Section: 20 **Qtr:** NW
Meridian: M

Location: JUST SOUTH OF WILD HORSE CANYON, IN THE VACA MOUNTAINS.
Ecological: SMALL, CIRCULAR, ARTIFICIAL POND IN DENSE CHAPARRAL ON DIVIDE BETWEEN MILLER & WILD HORSE CYNS. ~1-2 YRS OLD (NO EMERGENT VEG YET). USED AS IRRIGATION SOURCE. GRAVELLY/ROCKY SHORE, NO LOGS FOR PERCHING. NO SIGN OF FISH/AMPHIBIANS IN POND.
General: A SINGLE ADULT WAS OBSERVED IN THE WATER; NO OTHER TURTLES EVIDENT.
Owner/Manager: PVT

Occurrence No. 200 **Map Index:** 54936 **EO Index:** 54936
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-03-24
Site: 2004-03-24
Record Last Updated: 2004-03-29

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.18311º / -122.08119º
UTM: Zone-10 N4226530 E580468
Radius: 80 meters
Elevation: 0 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 22 **Qtr:** XX
Meridian: M

Location: VICINITY OF CHADBOURNE SLOUGH, 4 MILES SSW OF FAIRFIELD
Ecological: HABITAT CONSISTS OF DRAINAGE WATER (WHICH IS PUMPED INTO CHADBOURNE SLOUGH) FROM DUCK CLUBS; CHANNEL LINED WITH TYPHA SP. AND DISTICHLIS SPICATA.
General: 1 ADULT OBSERVED ON 24 MAR 2004.
Owner/Manager: PVT

Actinemys marmorata marmorata

northwestern pond turtle

Element Code: ARAAD02031

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3G4T3
State: S3

Other Lists
CDFG Status: SC

Habitat Associations
General: ASSOCIATED WITH PERMANENT OR NEARLY PERMANENT WATER IN A WIDE VARIETY OF HABITATS.
Micro: REQUIRES BASKING SITES. NESTS SITES MAY BE FOUND UP TO 0.5 KM FROM WATER.

Occurrence No. 255 **Map Index:** 68577 **EO Index:** 68943

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-06-11
Site: 2006-06-11
Record Last Updated: 2007-04-04

Quad Summary: Mt. Vaca (3812241/499A)
County Summary: Solano

Lat/Long: 38.48574º / -122.08607º
UTM: Zone-10 N4260107 E579708
Radius: 80 meters
Elevation: 1,160 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 02W
Section: 04 **Qtr:** NE
Meridian: M

Location: WILD HORSE CREEK, ~1.2 MILES UPSTREAM OF THE CONFLUENCE WITH COLD CANYON CREEK, STEBBINS COLD CANYON RESERVE

Ecological: HABITAT CONSISTS OF A SMALL CREEK THAT NORMALLY FLOWS YEAR-ROUND, BUT MAY GO DRY IN PLACES DURING PERIODS OF LOW RAINFALL; SUBSTRATE IS ROCKY, WITH PLUNGE POOLS AND RIFFLES. VEGETATION IS TYPICAL OF RIPARIAN ALONG INNER COAST RANGE STREAMS.

General: TURTLES HAVE BEEN OBSERVED AT THIS SITE CONSISTENTLY SINCE 2002. 5 ADULT TURTLES OBSERVED ON 11 JUN 2006.

Owner/Manager: UCNR-COLD CANYON RESERVE

Occurrence No. 287 **Map Index:** 70209 **EO Index:** 71090

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-21
Site: 2002-02-21
Record Last Updated: 2007-10-16

Quad Summary: Denverton (3812128/481B), Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.24988º / -121.88706º
UTM: Zone-10 N4234126 E597381
Radius: 80 meters
Elevation: 31 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 29 **Qtr:** SE
Meridian: M

Location: 4.5 MILES SW OF DOZIER.

Ecological: HABITAT CONSISTS OF A DITCH.

General: UNKNOWN NUMBER/LIFESTAGE OBSERVED ON 21 FEB 2002.

Owner/Manager: UNKNOWN

Agelaius tricolor

tricolored blackbird

Element Code: ABPBXB0020

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2G3
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 106 **Map Index:** 10245 **EO Index:** 11811
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 1932-05-06
Site: 1932-05-06
Record Last Updated: 1991-07-25

Quad Summary: Honker Bay (3812118/481C), Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.13519º / -121.90579º
UTM: Zone-10 N4221380 E595893
Radius: 1 mile
Elevation: 10 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 03N
Range: 01E
Section: 06 **Qtr:** XX
Meridian: M

Location: MARSH 2 MI W OF BIRDS LANDING.
Location Detail: SMALL COLONY OF 9 BIRDS OBS BY NEFF IN CATTAILS.
General: PRESUMED EXTIRPATED BY BEEDY 1991.
Owner/Manager: UNKNOWN

Occurrence No. 107 **Map Index:** 10580 **EO Index:** 30792
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1981-04-20
Site: 1981-04-20
Record Last Updated: 1997-03-27

Quad Summary: Birds Landing (3812127/481A), Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25355º / -121.80747º
UTM: Zone-10 N4234620 E604341
Radius: 2/5 mile
Elevation: 5 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 25 **Qtr:** NE
Meridian: M

Location: ALONG HWY 113, JUST SOUTH OF CALHOUN CUT, 7 MILES EAST OF TRAVIS AFB.
Location Detail: LOCATED ADJACENT TO TNC'S JEPSON PRAIRIE PRESERVE, COLONY OCCUPIED APPROXIMATELY 0.25 ACRE.
Ecological: NESTING SUBSTRATE CONSISTS OF CATTAILS.
General: NEST-BUILDING OBSERVED ON 20 APRIL 1981, BUT SITE WAS LATER ABANDONED.
Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations
General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 59 **Map Index:** 10665 **EO Index:** 28402
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Unknown

Dates Last Seen
Element: 1953-10-10
Site: 1953-10-10
Record Last Updated: 2001-11-14

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.44629º / -121.78412º
UTM: Zone-10 N4256033 E606102
Radius: 1 mile
Elevation: 50 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 07N
Range: 02E
Section: 17 **Qtr:** SW
Meridian: M

Location: 2.0 MI EAST OF DIXON.
General: UCD COLLECTION #2223 (S. BERRY). JENNINGS CONSIDERS THIS SITE EXTIRPATED.
Owner/Manager: UNKNOWN

Occurrence No. 81 **Map Index:** 68807 **EO Index:** 28388
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-XX-XX
Site: 2006-XX-XX
Record Last Updated: 2007-04-04

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27051º / -121.82689º
UTM: Zone-10 N4236480 E602617
Area: 78.0 acres
Elevation: 20 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 23 **Qtr:** NE
Meridian: M

Location: OLCOTT LAKE, JEPSON PRAIRIE PRESERVE, WEST OF COOK LANE & EAST OF SACRAMENTO NORTHERN RAILROAD, SW OF DOZIER.
Location Detail: FORMERLY TNC JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS AND OPEN SPACE IN AUG 1997. SHAFFER SITE 95.
Ecological: HABITAT CONSISTS OF A LARGE VERNAL POOL. SHEEP GRAZING AND EXOTIC PLANTS PRESENT. BRANCHINECTA CONSERVATIO, LEPIDURUS PACKARDI, AND ELAPHRUS VIRIDIS ARE ALSO FOUND AT THIS SITE.
General: UCD RECORD FROM FEB 1972. SSC 714 (LARVA) ON 7 APR1973. 5 LARVAE NETTED, 9 APR 1998. 653 ADS/7749 JUVS OBSERVED, 2005-06 WET SEASON (88 VISITS). 4483 JUVS CAPTURED (PITFALL TRAPS & DRIFT FENCES), 13 MAY-28 JUN 2005.
Owner/Manager: SOLANO LAND TRUST

Occurrence No. 336 **Map Index:** 34153 **EO Index:** 1961
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-05-13
Site: 2002-05-13
Record Last Updated: 2005-06-21

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26970º / -121.84368º
UTM: Zone-10 N4236371 E601150
Area:
Elevation: 25 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 22 **Qtr:** XX
Meridian: M

Location: 1.8 MILES SW OF DOZIER, 2.2 MILES WNW OF HIGHWAY 113 AT CALHOUN CUT, WEST OF JEPSON PRAIRIE.
Location Detail: LOCATED ALONG PG&E/PGT UNDERGROUND GAS PIPELINE RIGHT-OF-WAY. PLAYA-2 LOCATION MAPPED TO WITHIN SAMPLE AREA, DETAILS NOT GIVEN AS TO ACTUAL LOCATION.
Ecological: HABITAT CONSISTS OF RESTORED VERNAL POOLS IN CENTRAL VALLEY GRASSLAND; PLAYA POOLS CONTAINING WATER INTO JUNE, WITH HIGH TURBIDITY DUE TO CONSTANT WIND CAUSING SUSPENSION OF FINE SEDIMENTS.
Threat: POSSIBLE THREATS INCLUDE OVERGRAZING, CONVERSION TO CROPLAND, DEVELOPMENT.
General: CAS #187388-89 COLL 20 APR 1978. CAS #178428 COLL 19 FEB 1982. SHAFFER SITE #57 COLL 21 APR 1990. SHAFFER SITE #89 COLLECTED 11 MAR 1990. SHAFFER SITE #274 COLLECTED 3 MAY 1991. PLAYA-2: LARVAE OBS, 1995. OBSERVED, 13 MAY 2002.
Owner/Manager: PVT

Ambystoma californiense

California tiger salamander — **Element Code:** AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations
General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 485 **Map Index:** 42796 **EO Index:** 42796
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-05-12
Site: 2006-06-07
Record Last Updated: 2007-02-14

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.21351º / -121.96751º
UTM: Zone-10 N4230008 E590387
Area: 0.7 acres
Elevation: 100 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 10 **Qtr:** NW
Meridian: M

Location: POTRERO HILLS, 1 MILE SOUTH OF HIGHWAY 12, SE OF FAIRFIELD

Location Detail: POND 1, WHICH IS 1 OF 7 STOCK PONDS LOCATED IN A VALLEY ENVELOPED WITHIN THE POTRERO HILLS. ADULT CTS HAVE BEEN OBSERVED THROUGHOUT SPRING BRANCH CREEK VALLEY. 1999 OBSERVATION IN UPLAND AREAS.

Ecological: POND 1 IS A FORMER QUARRY POND; HABITAT SURROUNDING POND CONSISTS OF GRAZED NON-NATIVE GRASSLAND; SURROUNDED BY OPEN SPACE AND A LANDFILL.

Threat: THREATENED BY A PROPOSED LANDFILL EXPANSION.

General: 1 ADULT/4 SUBADULTS OBSERVED 18 JAN 1999. ADULT OBS 4 JAN 2000, & 6 OTHERS IN BURROWS/UNDER DEBRIS IN THE VICINITY. 47 LARVAE OBS 8 APR 2003. 7 LARVAE OBS ON 14 MAY 2004. 77 & 38 LARVAE CAPTURED ON 28 MAR & 12 MAY 2006. NONE OBS 7 JUN 2006

Owner/Manager: PVT

Occurrence No. 547 **Map Index:** 45867 **EO Index:** 45867
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2007-02-26
Site: 2007-02-26
Record Last Updated: 2007-06-06

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27709º / -121.82823º
UTM: Zone-10 N4237209 E602491
Area:
Elevation: 23 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 14 **Qtr:** XX
Meridian: M

Location: CALHOUN CUT (BARKER SLOUGH) ECOLOGICAL RESERVE. EAST OF FAIRFIELD, 0.6 AIR MILES SSW OF DOZIER.

Location Detail: SOUTHWEST OF THE INTERSECTION OF COOK ROAD AND RAILROAD CROSSING.

General: 207 ADULTS CAPTURED IN 16, 33 FOOT DRIFT FENCE ARRAYS WITH A PIT FALL TRAP AT EACH END, BETWEEN 14 NOV 2006 & 26 FEB 2007. ARRAYS RUN PER USFWS SURVEY PROTOCOLS. CAS# 178446, LARVA COLLECTED 2 APR 1983 BY D. MUTH & L. SPENCER (DFG).

Owner/Manager: DFG-CALHOUN CUT ER

Occurrence No. 601 **Map Index:** 46378 **EO Index:** 46378
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-04-29
Site: 1990-04-29
Record Last Updated: 2002-07-18

Quad Summary: Birds Landing (3812127/481A), Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25043º / -121.84741º
UTM: Zone-10 N4234229 E600850
Radius: 1/5 mile
Elevation: 25 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 27 **Qtr:** XX
Meridian: M

Location: ABOUT 0.6 MI NORTHEAST OF CREED. VERNAL POOLS ON BOTH SIDES OF THE RR TRACKS.

Ecological: VERNAL POOLS

General: SHAFFER SITES 73 AND 74 . CTS OBSERVED 29 APR 1990.

Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations
General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 828 **Map Index:** 60705 **EO Index:** 60741
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-03-08
Site: 2005-03-08
Record Last Updated: 2005-03-28

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.29626º / -121.96218º
UTM: Zone-10 N4239196 E590750
Area:
Elevation: 100 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01W
Section: 10 **Qtr:** NW
Meridian: M

Location: 1.5 MILES NW OF TRAVIS FIELD, TRAVIS AIR FORCE BASE
Ecological: HABITAT CONSISTS OF NON-NATIVE GRASSLAND, WITH MAN-MADE POOLS AND SHALLOW, NATURAL POOLS.
General: 2 LARVAE OBSERVED IN A LARGE, MAN-MADE POOL ON 8 MAR 2005.
Owner/Manager: UNKNOWN

Occurrence No. 872 **Map Index:** 63832 **EO Index:** 63927
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-07-06
Site: 2001-07-06
Record Last Updated: 2006-01-31

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.21237º / -121.95933º
UTM: Zone-10 N4229891 E591105
Area: 2.0 acres
Elevation: 200 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 10 **Qtr:** XX
Meridian: M

Location: POTRERO HILLS, 1.05 MILE SOUTH OF HIGHWAY 12, SE OF FAIRFIELD
Location Detail: POND 2, WHICH IS 1 OF 7 STOCK PONDS LOCATED IN A VALLEY ENVELOPED WITHIN THE POTRERO HILLS.
Ecological: HABITAT SURROUNDING POND CONSISTS OF GRAZED NON-NATIVE GRASSLAND; SURROUNDED BY OPEN SPACE AND A LANDFILL.
Threat: THREATENED BY A PROPOSED LANDFILL EXPANSION.
General: A SINGLE LARVA OBSERVED IN POND 2 DURING MAR 2000. EGGS OBSERVED IN POND 2 EARLY IN 2001 SEASON, BUT ONLY A FEW LARVAE WERE FOUND WHEN POND WAS SAMPLED LATER IN THE SEASON.
Owner/Manager: PVT

Occurrence No. 873 **Map Index:** 63833 **EO Index:** 63928
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-06-07
Site: 2006-06-07
Record Last Updated: 2007-02-14

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.20973º / -121.96029º
UTM: Zone-10 N4229597 E591023
Area: 0.5 acres
Elevation: 120 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 10 **Qtr:** NE
Meridian: M

Location: POTRERO HILLS, 1.3 MILES SOUTH OF HIGHWAY 12, SE OF FAIRFIELD
Location Detail: POND 3, WHICH IS 1 OF 7 STOCK PONDS LOCATED IN A VALLEY ENVELOPED WITHIN THE POTRERO HILLS. POND 3 IS A LARGE STOCK POND THAT SUPPORTS LARGE NUMBERS OF LARVAE EVERY YEAR. ADULT CTS HAVE BEEN OBSERVED THROUGHOUT SPRING VALLEY CREEK WATERSHED
Ecological: HABITAT SURROUNDING POND CONSISTS OF GRAZED NON-NATIVE GRASSLAND; SURROUNDED BY OPEN SPACE AND A LANDFILL.
Threat: THREATENED BY A PROPOSED LANDFILL EXPANSION.
General: 10'S TO 100'S OF LARVAE OBSERVED IN POND 3 DURING MAR AND JUN 2000. NO LARVAE OBSERVED IN POND 3 DURING 2001. 261 LARVAE WERE CAPTURED ON 8 APR 2003. 5 LARVAE CAPTURED ON 28 MAR, 31 CAPTURED ON 12 MAY & 12 CAPTURED ON 7 JUN 2006.
Owner/Manager: PVT

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations
General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 874 **Map Index:** 63834 **EO Index:** 63929
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-05-12
Site: 2006-06-07
Record Last Updated: 2007-02-14

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.20582º / -121.95994º
UTM: Zone-10 N4229163 E591059
Radius: 80 meters
Elevation: 150 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 01W
Section: 10 **Qtr:** SE
Meridian: M

Location: POTRERO HILLS, 1.6 MILES SOUTH OF HIGHWAY 12, SE OF FAIRFIELD

Location Detail: POND 5, WHICH IS 1 OF 7 STOCK PONDS LOCATED IN A VALLEY ENVELOPED WITHIN THE POTRERO HILLS. POND 5 IS A LARGE STOCK POND THAT SUPPORTS LARGE NUMBERS OF LARVAE EVERY YEAR. ADULT CTS HAVE BEEN OBSERVED THROUGHOUT SPRING VALLEY CREEK WATERSHED

Ecological: HABITAT SURROUNDING POND CONSISTS OF GRAZED NON-NATIVE GRASSLAND; SURROUNDED BY OPEN SPACE AND A LANDFILL.

Threat: THREATENED BY A PROPOSED LANDFILL EXPANSION.

General: 10'S TO 100'S OF LARVAE OBSERVED IN MAR AND JUN 2000. 1000'S OF CTS LARVAE OBS 30 MAR 2001. 160 LARVAE CAPTURED 8 APR 2003. 118 LARVAE CAPTURED ON 14 MAY 2004. 134 LARVAE CAPTURED ON 28 MAR, 117 CAPTURED ON 12 MAY 2006. NONE OBS 7 JUN 2006.

Owner/Manager: PVT

Occurrence No. 875 **Map Index:** 63835 **EO Index:** 63930
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-05-12
Site: 2006-05-12
Record Last Updated: 2007-02-14

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.20195º / -121.95145º
UTM: Zone-10 N4228742 E591807
Area: 2.1 acres
Elevation: 250 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 11 **Qtr:** SW
Meridian: M

Location: POTRERO HILLS, 1.8 MILES SOUTH OF HIGHWAY 12, SE OF FAIRFIELD

Location Detail: POND 7, IS 1 OF 7 STOCK PONDS LOCATED IN A VALLEY ENVELOPED WITHIN POTRERO HILLS. POND 7 IS A LARGE STOCK POND THAT SUPPORTS LARGE NUMBERS OF LARVAE EVERY YEAR. ADULT CTS HAVE BEEN OBSERVED THROUGHOUT SPRING BRANCH CREEK VALLEY TO THE NORTH

Ecological: HABITAT SURROUNDING POND CONSISTS OF HEAVILY-GRAZED NON-NATIVE GRASSLAND; SURROUNDED BY OPEN SPACE AND A LANDFILL TO THE WEST.

Threat: THREATENED BY A PROPOSED LANDFILL EXPANSION.

General: 600 LARVAE WERE CAPTURED ON 8 APR 2003. 130 LARVAE CAPTURED ON 14 MAY 2004. 64 LARVAE CAPTURED ON 12 MAY 2006.

Owner/Manager: PVT

Ambystoma californiense

California tiger salamander — **Element Code:** AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations
General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 876 **Map Index:** 64134 **EO Index:** 64229
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-02-10
Site: 1999-02-10
Record Last Updated: 2006-03-06

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28418º / -121.94649º
UTM: Zone-10 N4237871 E592137
Area:
Elevation: 140 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01W
Section: 14 **Qtr:** NW
Meridian: M

Location: ON THE NORTH EDGE OF TRAVIS AFB
Ecological: HABITAT CONSISTS OF GRAZED ANNUAL GRASSLAND. PORTIONS DEVELOPED INTO NEW BASE HOUSING, WITH SOME OPEN SPACE REMAINING.
Threat: THREATENED BY DEVELOPMENT (THIS SITE WAS SUBSEQUENTLY DEVELOPED INTO BASE HOUSING).
General: 1 DEAD ADULT OBSERVED ON 10 FEB 1999.
Owner/Manager: DOD-TRAVIS AFB

Occurrence No. 883 **Map Index:** 64470 **EO Index:** 64549
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-03-13
Site: 2006-03-13
Record Last Updated: 2007-02-26

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28508º / -121.91944º
UTM: Zone-10 N4237998 E594502
Radius: 80 meters
Elevation: 70 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01W
Section: 13 **Qtr:** NE
Meridian: M

Location: NE OF TRAVIS FIELD, 7 MILES NE OF FAIRFIELD
Ecological: HABITAT CONSISTS OF A LARGE MAN-MADE POOL SURROUNDED BY NON-NATIVE GRASSLAND WITH A GENTLE MOUND AND SWALE TOPOGRAPHY. SHALLOW NATURAL POOLS AND AN INTERMITTENT STREAM ARE ALSO PRESENT NEARBY.
General: 1 LARVA OBSERVED ON 13 MAR 2006.
Owner/Manager: PVT

Occurrence No. 889 **Map Index:** 66597 **EO Index:** 66736
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-03-22
Site: 2006-03-22
Record Last Updated: 2006-10-04

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28463º / -121.95627º
UTM: Zone-10 N4237912 E591282
Radius: 80 meters
Elevation: 82 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01W
Section: 15 **Qtr:** NE
Meridian: M

Location: 0.3 MILE NE OF VANDEN HIGH SCHOOL, FAIRFIELD.
Location Detail: POND IS THE SOUTHERNMOST OF THREE PONDS FOUND ALONG A RAISED RAILROAD TRACK BERM; NO CTS WERE FOUND IN THE OTHER PONDS.
Ecological: HABITAT CONSISTS OF A MAN-MADE POND LOCATED ALONG THE WEST SIDE OF A RAISED RAILROAD TRACK BERM; POND IS ~40' X 20', WITH A MAXIMUM PONDING DEPTH OF ~2', AND THE WATER WAS MURKY. CRAWDADS AND MOSQUITO FISH WERE ALSO CAPTURED DURING SEINING.
Threat: THREATENED BY FUTURE DEVELOPMENT OF THE AREA.
General: 3 LARVAE WERE CAPTURED USING A SEINE ON 22 MAR 2006.
Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations
General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 940 **Map Index:** 64319 **EO Index:** 68397
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-11-29
Site: 2004-11-29
Record Last Updated: 2007-02-26

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28697º / -121.91476º
UTM: Zone-10 N4238213 E594909
Radius: 80 meters
Elevation: 60 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01W
Section: 12 **Qtr:** XX
Meridian: M

Location: TRAVIS AFB, AT INTERSECTION OF MERIDIAN ROAD AND RAILROAD TRACKS.
Location Detail: MAPPED ACCORDING TO LAT/LONG COORDINATES AND MAP PROVIDED BY SOURCE.
Ecological: SHALLOW TURBID POOL AREA ALONG THE SOUTH SIDE OF THE RAILROAD TRACKS. NO VEGETATION OBSERVED. VERNAL POOLS/SEASONAL WETLANDS IN ADJACENT GRASSLANDS.
General: 1 ADULT OBSERVED BY D. CHRISTOPHER ROGERS DURING VERNAL POOL INVERTEBRATE SURVEY ON 29 NOV 2004. SPECIES NOT OBSERVED DURING SUBSEQUENT VISITS TO SITE; ANIMAL PRESUMED TO BE IN TRANSIT.
Owner/Manager: DOD-TRAVIS AFB

Occurrence No. 995 **Map Index:** 70198 **EO Index:** 71068
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-05-13
Site: 2002-05-13
Record Last Updated: 2007-10-15

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26403º / -121.87804º
UTM: Zone-10 N4235705 E598152
Area: 5.0 acres
Elevation: 32 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 21 **Qtr:** SW
Meridian: M

Location: 2.4 MILES NW OF THE INTERSECTION OF CREED ROAD AND GOOSE HAVEN ROAD, ~ 3MILES EAST OF TRAVIS FIELD.
Location Detail: LARRY SERPA'S POOL 3
Ecological: HABITAT CONSISTS OF A VERNAL POOL.
General: UNKNOWN NUMBER/LIFESTAGE OBSERVED ON 13 MAY 2002.
Owner/Manager: UNKNOWN

Occurrence No. 996 **Map Index:** 70210 **EO Index:** 71070
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-03-25
Site: 2002-03-25
Record Last Updated: 2007-10-16

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26010º / -121.87180º
UTM: Zone-10 N4235276 E598703
Area: 15.0 acres
Elevation: 32 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 21 **Qtr:** SW
Meridian: M

Location: 2 MILES NW OF THE INTERSECTION OF CREED ROAD AND GOOSE HAVEN ROAD, ~ 3MILES EAST OF TRAVIS FIELD.
Location Detail: LARRY SERPA'S POOL 4
Ecological: HABITAT CONSISTS OF A VERNAL POOL.
General: UNKNOWN NUMBER/LIFESTAGE OBSERVED ON 25 MAR 2002.
Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations
General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 997 **Map Index:** 61647 **EO Index:** 71071
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-05-13
Site: 2002-05-13
Record Last Updated: 2007-10-15

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26016º / -121.89766º
UTM: Zone-10 N4235255 E596440
Area: 4.8 acres
Elevation: 37 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 20 **Qtr:** XX
Meridian: M

Location: 1 MILE EAST OF MERIDIAN ROAD, ~5 MILES SW OF DOZIER.
Location Detail: LARRY SERPA'S POOL 11
Ecological: HABITAT CONSISTS OF A VERNAL POOL.
General: UNKNOWN NUMBER/LIFESTAGE OBSERVED ON 13 MAY 2002.
Owner/Manager: UNKNOWN

Occurrence No. 998 **Map Index:** 61648 **EO Index:** 71074
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-05-13
Site: 2002-05-13
Record Last Updated: 2007-10-31

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.25712º / -121.90577º
UTM: Zone-10 N4234910 E595735
Area: 21.7 acres
Elevation: 47 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 30 **Qtr:** XX
Meridian: M

Location: 0.5 MILE EAST OF MERIDIAN ROAD, ~5 MILES SW OF DOZIER.
Location Detail: LARRY SERPA'S POOL 12
Ecological: HABITAT CONSISTS OF A VERNAL POOL.
General: UNKNOWN NUMBER/LIFE STAGE OBSERVED ON 13 MAY 2002.
Owner/Manager: UNKNOWN

Occurrence No. 999 **Map Index:** 70200 **EO Index:** 71075
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2007-10-15

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.24728º / -121.88071º
UTM: Zone-10 N4233844 E597940
Area: 13.0 acres
Elevation: 36 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 29 **Qtr:** SE
Meridian: M

Location: ~4.3 MILES SW OF DOZIER.
Location Detail: LARRY SERPA'S POOL 15 AND 16
Ecological: HABITAT CONSISTS OF VERNAL POOLS.
General: UNKNOWN NUMBER/LIFESTAGE OBSERVED ON 15 FEB 2002.
Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations
General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.
Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 1000 **Map Index:** 70201 **EO Index:** 71076
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2007-10-15

Quad Summary: Denverton (3812128/481B), Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.25070º / -121.88447º
UTM: Zone-10 N4234220 E597606
Area: 9.0 acres
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 29 **Qtr:** XX
Meridian: M

Location: ~4.4 MILES SW OF DOZIER.
Location Detail: LARRY SERPA'S POOL 18
Ecological: HABITAT CONSISTS OF VERNAL POOL.
General: UNKNOWN NUMBER/LIFESTAGE OBSERVED ON 15 FEB 2002.
Owner/Manager: UNKNOWN

Occurrence No. 1001 **Map Index:** 61673 **EO Index:** 71077
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-05-13
Site: 2002-05-13
Record Last Updated: 2007-10-15

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.27269º / -121.87934º
UTM: Zone-10 N4236665 E598026
Area: 22.3 acres
Elevation: 34 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 17 **Qtr:** XX
Meridian: M

Location: ~3.4 MILES WSW OF DOZIER.
Location Detail: LARRY SERPA'S POOL 24
Ecological: HABITAT CONSISTS OF VERNAL POOL.
General: UNKNOWN NUMBER/LIFESTAGE OBSERVED ON 13 MAY 2002.
Owner/Manager: UNKNOWN

Occurrence No. 1002 **Map Index:** 61676 **EO Index:** 71079
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-02
Site: 2002-04-02
Record Last Updated: 2007-10-31

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26705º / -121.85667º
UTM: Zone-10 N4236064 E600017
Radius: 80 meters
Elevation: 32 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 22 **Qtr:** XX
Meridian: M

Location: ~2.5 MILES SW OF DOZIER.
Location Detail: LARRY SERPA'S POOL 30. POOL DOES NOT SHOW ON TOPO MAP; LOCATION TAKEN FROM UTM COORDINATES IN SOURCE DOCUMENT TABLE.
Ecological: HABITAT CONSISTS OF A VERNAL POOL WITH AN IRREGULAR MARGIN.
General: UNKNOWN NUMBER/LIFESTAGE OBSERVED ON 2 APR 2002.
Owner/Manager: UNKNOWN

Ammodramus savannarum

grasshopper sparrow

Element Code: ABPBXA0020

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status: SC

Habitat Associations
General: DENSE GRASSLANDS ON ROLLING HILLS, LOWLAND PLAINS, IN VALLEYS & ON HILLSIDES ON LOWER MOUNTAIN SLOPES.
Micro: FAVORS NATIVE GRASSLANDS WITH A MIX OF GRASSES, FORBS & SCATTERED SHRUBS. LOOSELY COLONIAL WHEN NESTING.

Occurrence No. 16 **Map Index:** 69694 **EO Index:** 70479

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2007-06-19
Site: 2007-06-19
Record Last Updated: 2007-07-26

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.37841º / -121.73067º
UTM: Zone-10 N4248565 E610870
Radius: 80 meters
Elevation: 240 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 06N
Range: 02E
Section: 11 **Qtr:** SW
Meridian: M

Location: WEST SIDE OF ETZEL ROAD, 0.4 MILE NORTH OF DELHI ROAD, SE OF DIXON.

Ecological: HABITAT CONSISTS OF NON-NATIVE GRASSLAND/AGRICULTURE.

General: 1 ADULT OBSERVED ON 19 JUN 2007. THIS SPECIES HAS BEEN OBSERVED BY SEVERAL PEOPLE IN THIS AREA WITHIN THE PAST WEEK, WHILE SEARCHING FOR A LARK BUNTING REPORTED HERE.

Owner/Manager: UNKNOWN

Andrena blennospermatis

Blennosperma vernal pool andrenid bee

Element Code: IIHYM35030

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: THIS BEE IS OLIGOLECTIC ON VERNAL POOL BLENNOSPERMA.
Micro: BEES NEST IN THE UPLANDS AROUND VERNAL POOLS.

Occurrence No. 10 **Map Index:** 59380 **EO Index:** 59416
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 19XX-XX-XX
Site: 19XX-XX-XX
Record Last Updated: 2005-01-18

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.31145º / -121.82199º
UTM: Zone-10 N4241029 E602988
Radius: 1 mile
Elevation: 30 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 01 **Qtr:** XX
Meridian: M

Location: 8 MILES SOUTH OF DIXON.
Ecological: THIS SPECIES IS OLIGOLECTIC ON VERNAL POOL FLOWERS, ESPECIALLY BLENNOSPERMA.
General: NO ADDITIONAL COLLECTING INFORMATION GIVEN.
Owner/Manager: UNKNOWN

Occurrence No. 11 **Map Index:** 10559 **EO Index:** 59418
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-03-18
Site: 1993-03-18
Record Last Updated: 2005-07-07

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26903º / -121.82215º
UTM: Zone-10 N4236321 E603034
Radius: 1 mile
Elevation: 20 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 24 **Qtr:** N
Meridian: M

Location: JEPSON PRAIRIE PRESERVE, 11 MILES SOUTH OF DIXON.
Ecological: THIS BEE IS OLIGOLECTIC ON VERNAL POOL FLOWERS, ESPECIALLY BLENNOSPERMA.
General: FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONSERVATION EASEMENT. MARKED BEES WERE OBSERVED TO FORAGE ALMOST ENTIRELY WITHIN A SINGLE FLOWER PATCH.
Owner/Manager: SOLANO LAND TRUST

Anthicus antiochensis

Antioch Dunes anthicid beetle

Element Code: IICOL49020

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: EXTIRPATED FROM ANTIOCH DUNES BUT PRESENT IN SEVERAL LOCALITIES ALONG THE SACRAMENTO AND FEATHER RIVERS.
Micro:

Occurrence No. 2 **Map Index:** 57250 **EO Index:** 57266

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1987-06-13
Site: 1987-06-13
Record Last Updated: 2004-10-08

Quad Summary: Rio Vista (3812126/480B)
County Summary: Solano

Lat/Long: 38.18273º / -121.68784º
UTM: Zone-10 N4226904 E614919
Radius: 3/5 mile
Elevation: 20 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 04N
Range: 03E
Section: 19 **Qtr:** XX
Meridian: M

Location: DREDGE DISPOSAL SITE ABOUT 0.5 MI INLAND FROM THE SACRAMENTO RIVER AT RM 13.8. JUST NORTH OF RIO VISTA AIRPORT.
Ecological: DREDGED MATERIAL DISPOSAL SITE
General: COLLECTED IN PITFALL TRAPS. 23 ADULTS COLLECTED 30 MAY 1987 IN 12 TRAPS, 83 COLLECTED 13 JUN 1987 IN 9 TRAPS.
Owner/Manager: STATE (RECLAMATION BOARD)

Anthicus sacramento

Sacramento anthicid beetle

Element Code: IICOL49010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: RESTRICTED TO SAND DUNE AREAS OF THE SACRAMENTO-SAN JOAQUIN DELTA.
Micro: INHABIT SAND SLIPFACES AMONG BAMBOO AND WILLOW BUT MAY NOT DEPEND ON PRESENCE OF THESE PLANT SPECIES.

Occurrence No. 1 **Map Index:** 10897 **EO Index:** 12141
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1977-06-27
Site: 1977-06-27
Record Last Updated: 2004-10-05

Quad Summary: Isleton (3812125/480A), Rio Vista (3812126/480B)
County Summary: Sacramento

Lat/Long: 38.17458º / -121.63030º
UTM: Zone-10 N4226072 E619972
Radius: 1 mile
Elevation: 15 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 04N
Range: 03E
Section: 22 **Qtr:** XX
Meridian: M

Location: WEST END OF GRAND ISLAND, 1 MI W OF ISLETON.

General: TYPE LOCALITY; TYPE SPECIMEN DEPOSITED AT CAS. 2 PARATYPES AND ONE NON-TYPE SPECIMEN DEPOSITED IN THE CALIFORNIA STATE COLLECTION OF ARTHROPODS (CDFA).

Owner/Manager: UNKNOWN

Occurrence No. 2 **Map Index:** 10835 **EO Index:** 14460
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1974-08-21
Site: 1979-09-XX
Record Last Updated: 1989-08-11

Quad Summary: Rio Vista (3812126/480B)
County Summary: Solano

Lat/Long: 38.13510º / -121.69802º
UTM: Zone-10 N4221605 E614102
Area: 164.9 acres
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 03N
Range: 02E
Section: 1 **Qtr:** XX
Meridian: M

Location: SAND DUNE AREA IMMEDIATELY S OF RIO VISTA.

Ecological: SAND IS DREDGE SPOIL.

General: 21 PARATYPES COLLECTED IN SAND DUNE AREA.

Owner/Manager: UNKNOWN

Occurrence No. 3 **Map Index:** 57250 **EO Index:** 57325
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-30
Site: 2004-06-13
Record Last Updated: 2004-10-08

Quad Summary: Rio Vista (3812126/480B)
County Summary: Solano

Lat/Long: 38.18273º / -121.68784º
UTM: Zone-10 N4226904 E614919
Radius: 3/5 mile
Elevation: 20 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 04N
Range: 03E
Section: 19 **Qtr:** XX
Meridian: M

Location: DREDGE DISPOSAL SITE ABOUT 0.5 MI INLAND FROM THE SACRAMENTO RIVER AT RM 13.8. JUST NORTH OF RIO VISTA AIRPORT.

Ecological: DREDGED MATERIAL DISPOSAL SITE.

General: 3 ADULTS COLLECTED IN 12 PITFALL TRAPS ON 30 MAY 1987, NONE COLLECTED IN 9 TRAPS ON 13 JUN 1987.

Owner/Manager: STATE (RECLAMATION BOARD)

Ardea alba

great egret

Element Code: ABNGA04040

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5
State: S4

Other Lists
CDFG Status:

Habitat Associations
General: COLONIAL NESTER IN LARGE TREES.
Micro: ROOKERY SITES LOCATED NEAR MARSHES, TIDE-FLATS, IRRIGATED PASTURES, AND MARGINS OF RIVERS AND LAKES.

Occurrence No. 16 **Map Index:** 17134 **EO Index:** 12063
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Stable

Dates Last Seen
Element: 1990-06-24
Site: 1990-06-24
Record Last Updated: 1990-11-14

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.28888º / -121.82541º
UTM: Zone-10 N4238520 E602721
Radius: 80 meters
Elevation: 20 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 05N
Range: 01E
Section: 11 **Qtr:** SE
Meridian: M

Location: 0.25 MI NNW OF HWY 113 INTERSECTION WITH COOK LANE, EAST OF TRAVIS AFB.

Location Detail: ROOKERY OF 20+ ADULTS OBSERVED IN A GROVE OF TALL EUCALYPTUS LOCATED BEHIND A RESIDENCE AND UTILITY BUILDINGS. 15-20 NESTS EASILY OBSERVED FROM ROADWAY.

Ecological: SURROUNDING HABITAT IS INDUSTRIAL/AGRICULTURAL.

Threat: SITE IS LOCATED ON A CEMENT COMPANY EQUIPMENT YARD; POTENTIAL THREAT OF HUMAN DISTURBANCE APPEARS HIGH.

General: VERY LITTLE ALTERNATE NESTING HABITAT OCCURS IN THE AREA. ADULTS WERE OBSERVED CONVERGING ON THE ROOKERY FROM VARIOUS DIRECTIONS.

Owner/Manager: PVT

Asio flammeus

short-eared owl

Element Code: ABNSB13040

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5
State: S3

Other Lists
CDFG Status: SC

Habitat Associations
General: FOUND IN SWAMP LANDS, BOTH FRESH AND SALT; LOWLAND MEADOWS; IRRIGATED ALFALFA FIELDS.
Micro: TULE PATCHES/TALL GRASS NEEDED FOR NESTING/DAYTIME SECLUSION. NESTS ON DRY GROUND IN DEPRESSION CONCEALED IN VEGETATION.

Occurrence No. 12 **Map Index:** 10076 **EO Index:** 14706
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1987-XX-XX
Site: 1987-XX-XX
Record Last Updated: 1989-08-10

Quad Summary: Honker Bay (3812118/481C), Denverton (3812128/481B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.13569º / -121.97352º
UTM: Zone-10 N4221368 E589957
Area: 19,083.4 acres
Elevation:
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 4 **Qtr:** XX
Meridian: M

Location: GRIZZLY ISLAND WILDLIFE AREA.
Ecological: HABITAT IS COASTAL MARSH AND FLAT GRASSLAND.
General: 39 NESTS AND 130 INDIVIDUALLS OBSERVED BY ROBERT MCLANDRESS DURING THE 1987 BREEDING SEASON.
Owner/Manager: DFG-GRIZZLY ISLAND WA

Astragalus tener var. ferrisiae

Ferris' milk-vetch

Element Code: PDFAB0F8R3

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1T1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: MEADOWS, VALLEY AND FOOTHILL GRASSLAND.
Micro: SUBALKALINE FLATS ON OVERFLOW LAND IN THE CENTRAL VALLEY; USUALLY SEEN IN DRY, ADOBE SOIL. 5-75M.

Occurrence No. 6 **Map Index:** 22755 **EO Index:** 19963

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 1978-05-08
Site: 2002-05-16
Record Last Updated: 2003-03-21

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.46128º / -121.65670º
UTM: Zone-10 N4257851 E617198
Radius: 1/5 mile
Elevation: 8 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 03E
Section: 09 **Qtr:** SW
Meridian: M

Location: 1/4 MILE SOUTH OF SAXON.

Location Detail: AREA IMMEDIATELY SOUTH OF SAXON STATION PART OF THE DFG GLIDE TULE RANCH.

Ecological: VALLEY GRASSLAND AND SWALES. CAPAY SOIL, FLOODED WITH LASTHENIA GLABRATA, DOWNINGIA INSIGNIS, ALOOCARYA STIPITATA, ETC. AREA CURRENTLY CATTLE GRAZED (2002).

Threat: HABITAT DEGRADED; OVERGRAZED COW PASTURE. VERY WEEDY IN 2002.

General: COLLECTION BY CRAMPTON IN 1978 (#9579 AHUC) ORIGINAL SOURCE. SITE VISITED 3/21/02, 4/8/02, & 5/16/02, NO PLANTS FOUND. ACCORDING TO WITHAM, HABITAT PRESENT AND RELATIVELY NATURAL LANDSCAPE. WILL BE SURVEYED AGAIN IN 2003.

Owner/Manager: DFG-YOLO BASIN WA

Occurrence No. 7 **Map Index:** 22135 **EO Index:** 7756

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-03-19
Site: 2002-03-19
Record Last Updated: 2003-03-21

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35443º / -121.75855º
UTM: Zone-10 N4245870 E608471
Radius: 1/5 mile
Elevation: 20 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 21 **Qtr:** NW
Meridian: M

Location: 7.13 MILES SOUTHEAST OF DIXON, 0.25 MILE NORTH OF BUNKER.

Ecological: IN A VERNAL MEADOW. HABITAT PRESENT IN 2002.

Threat: AREAS ON EITHER SIDE OF BUNKER STATION ROAD USED AS CATTLE PASTURE.

General: HERBARIUM COLLECTION IS ONLY SOURCE OF INFORMATION FOR THIS SITE; SAYS "NOT COMMON." IN 2002 HABITAT PRESENT ON EAST SIDE OF BUNKER STATION ROAD NORTH OF BUNKER STATION, BUT NOT SURVEYED DUE TO PVT PROPERTY. NO PLANTS OBSERVED.

Owner/Manager: UNKNOWN

Occurrence No. 14 **Map Index:** 53728 **EO Index:** 53728

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-04-26
Site: 2003-04-26
Record Last Updated: 2005-03-03

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.43610º / -121.67069º
UTM: Zone-10 N4255039 E616017
Radius: 80 meters
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 03E
Section: 20 **Qtr:** SW
Meridian: M

Location: PLAYA POOL ABOUT 1.4 AIRMILES NNE OF VAUGHN RANCH, GLIDE TULE ER, EAST OF THE SACRAMENTO NORTHERN CANAL, YOLO BYPASS.

Location Detail: MAPPED WITHIN THE NW 1/4 OF THE SW 1/4 OF SECTION 20.

Ecological: VERNAL POOL/GRASSLAND MOSAIC ON CAPAY-CLEAR LAKE SOIL. SOME PESCADERO CLAY. MESIC GRASSLAND ON MARGIN OF PLAYA POOL. ASSOCIATES INCLUDE LASTHENIA GLABRATA, LOLIUM MULTIFLORUM, HESPEREVAX CAULESCENS, AND POGOGYNE ZIZYPHOROIDES.

General: 12 PLANTS SEEN IN 2003.

Owner/Manager: DPR-TULE ELK SR

Astragalus tener var. tener

alkali milk-vetch

Element Code: PDFAB0F8R1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.

Occurrence No. 20 **Map Index:** 24764 **EO Index:** 30169

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-04-25
Site: 2006-04-25
Record Last Updated: 2008-01-03

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22661º / -121.97093º
UTM: Zone-10 N4231458 E590071
Area: 5.4 acres
Elevation: 10 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 04 **Qtr:** NE
Meridian: M

Location: SOUTHWEST OF SCALLEY RD / KILLDEER RD INTERSECTION, SOUTHWEST OF TRAVIS AIR FORCE BASE.

Location Detail: PLANTS SCATTERED OVER VERNAL FLAT. LARGE AND SHOWY POPULATION EASILY OBSERVED FROM THE ROAD IN 2002. GRASSLAND BURNED IN 2003.

Ecological: VERNAL FLAT IN COW PASTURE. ASSOCIATES INCLUDE FRANKENIA GRANDIFOLIA, ORTHOCARPUS, PLAGIOBOTHRYS, DOWNINGIA, MYOSURUS MINIMUS, ERYNGIUM, PLEUROPOGON CALIFORNICUS, PSILOCARPHUS, LASTHENIA CONJUGENS, ATRIPLEX JOAQUINIANA, AND L. PLATYCARPHA.

Threat: INVASIVE PLANTS, CATTLE GRAZING & TRAMPLING, NEARBY LANDFILL, POSSIBLE FUTURE DEVELOPMENT, DISKING, BURNING.

General: SEEN DURING 1992 SURVEY FOR LASTHENIA CONJUGENS. IN 2002 SITE OBSERVED THROUGH BINOCS; ABOUT 2000 PLANTS ON SW CORNER & ABOUT 200 IN SE CORNER. 500-750 OBSERVED IN 2004. A DEFINITE DECLINE IN 2006 WITH ~100 PLANTS.

Owner/Manager: PVT-SOLANO LANDFILL

Occurrence No. 21 **Map Index:** 24744 **EO Index:** 4691

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-03-25
Site: 2002-XX-XX
Record Last Updated: 2003-07-02

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.30199º / -121.85816º
UTM: Zone-10 N4239939 E599839
Area: 28.6 acres
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 10 **Qtr:** NW
Meridian: M

Location: 4 KM (2.5 MI) WNW OF DOZIER.

Location Detail: SIX COLONIES WITHIN THE NW 1/4 OF SECTION 10, THE SW 1/4 OF THE SW 1/4 OF SECTION 3, AND THE NE 1/4 OF THE NE 1/4 OF SECTION 9.

Ecological: GROWING IN MESIC ALKALI AREAS AND IN VERNAL POOLS. ASSOCIATES INCLUDE DOWNINGIA PUSILLA, LEPIDIUM LATIPES, ELEOCHARIS MACROSTACHYA, LASTHENIA FREMONTII, ERYNGIUM ARISTULATUM, AND DISTICHLIS SPICATA. PRIMARILY ON SOLANO-PESCADERO SOILS.

Threat: CATTLE AND SHEEP GRAZING.

General: > 150 PLANTS SEEN IN 5 COLONIES IN 1994. SOME PERMANENT CATTLE PASTURE BUT CONDITION RELATIVELY GOOD. MOST NOT SEEN UNTIL AFTER SITE DISTURBED BY PIPELINE CONSTRUCTION. HABITAT PRESENT IN 2002, UNABLE TO ACCESS SITE TO SEE PLANTS.

Owner/Manager: PVT

Astragalus tener var. tener

alkali milk-vetch

Element Code: PDFAB0F8R1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.

Occurrence No. 22 **Map Index:** 24747 **EO Index:** 7663
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-04-12
Site: 2003-04-12
Record Last Updated: 2004-03-08

Quad Summary: Dozier (3812137/498D), Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.27532º / -121.86058º
UTM: Zone-10 N4236977 E599664
Area: 333.1 acres
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 16 **Qtr:** XX
Meridian: M

Location: 4 KM (1.5 MI) WSW OF DOZIER.

Location Detail: MAPPED 3.2 KM (2 MI) DUE WEST OF OLCOTT. THREE VERNAL POOLS ALONG THE DIRT ROAD SEPARATING SECTIONS 15 AND 16. MORE PLANTS IN LG AREA IN SEC 16, 17.

Ecological: GROWING IN VERNAL POOLS. ASOCIATES INCLUDE LEPIDIUM LATIPES, DESCHAMPSIA DANTHONIOIDES, LASTHENIA FREMONTII, PSILOCARPHUS BREVISSIMUS, DISTICHILIS SPICATA NANA, AND PHALARIS LEMMONII.

Threat: CATTLE GRAZING.

General: AREA IS UNDER PERMANENT CATTLE PASTURE BUT OVERALL CONDITION APPEARS TO BE RELATIVELY GOOD. WITHAM REPORTS PLANTS SEEN IN VICINITY IN 2002 BY BARBOUR ET AL AND TNC. 1000-2000 INDIVIDUALS OBSERVED IN 2003 IN SEC 16, 17.

Owner/Manager: PVT

Occurrence No. 23 **Map Index:** 24751 **EO Index:** 6815
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-05-07
Site: 2002-XX-XX
Record Last Updated: 2003-07-02

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25688º / -121.85534º
UTM: Zone-10 N4234936 E600148
Area: 8.0 acres
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 22 **Qtr:** SW
Meridian: M

Location: 4.5 KM (3 MI) SOUTHWEST OF DOZIER, 1 KM (0.7 MI) WEST OF RR TRACKS.

Location Detail: FOUND IN TWO VERNAL POOLS IN THE S 1/2 OF THE SW 1/4 OF SECTION 22.

Ecological: GROWING IN VERNAL POOLS. ASSOCIATES INCLUDE LEPIDIUM LATIPES, HORDEUM GENICULATUM, DISTICHILIS SPICATA NANA, CRESSA TRUXILLENSIS VALLICOLA, LASTHENIA FREMONTII, L. PLATYCARPHA, AND PSILOCARPHUS BREVISSIMUS.

Threat: GRAZING MAY THREATEN.

General: FOUND IN TWO VERNAL POOLS IN 1991. SITE NOT SURVEYED IN 2002 DUE TO PVT LANDOWNER RESTRICTIONS. HABITAT PRESENT AND READILY OBSERVABLE FROM ROAD AND ADJACENT TNC RANCH. COLONIES PRESUMED EXTANT.

Owner/Manager: PVT

Astragalus tener var. tener

alkali milk-vetch

Element Code: PDFAB0F8R1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.

Occurrence No. 24 **Map Index:** 24754 **EO Index:** 6789
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-05-01
Site: 2002-XX-XX
Record Last Updated: 1994-02-04

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25765º / -121.84308º
UTM: Zone-10 N4235035 E601219
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 22 **Qtr:** SE
Meridian: M

Location: 4 KM (2.4 MI) SOUTHWEST OF DOZIER ALONG THE RR TRACKS.

Location Detail: GROWING IN A POOL IN THE EXTREME SOUTHEAST CORNER OF SECTION 22, JUST WEST OF THE RR TRACKS.

Ecological: GROWING IN A VERNAL POOL IN ASSOCIATION WITH LEGENERE LIMOSA, DOWNINGIA PUSILLA, LEPIDIUM LATIPES, HORDEUM GENICULATUM, LASTHENIA FREMONTII, DESCHAMPSIA DANTHANIOIDES, AND VULPIA BROMOIDES.

Threat: GRAZING.

General: SEEN IN 1991. SITE NOT SURVEYED IN 2002 DUE TO PVT LANDOWNER RESTRICTIONS. HABITAT PRESENT AND READILY OBSERVABLE FROM ROAD AND ADJACENT JEPSON PRAIRIE PRESERVE. COLONIES PRESUMED EXTANT.

Owner/Manager: PVT

Occurrence No. 25 **Map Index:** 24755 **EO Index:** 6788
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 199X-XX-XX
Site: 199X-XX-XX
Record Last Updated: 2008-01-03

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26725º / -121.83193º
UTM: Zone-10 N4236113 E602181
Radius: 80 meters
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 23 **Qtr:** NE
Meridian: M

Location: 1.5 KM (1 MI) SOUTHWEST OF OLCOTT, JUST EAST OF THE RR TRACKS.

Location Detail: FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONSERVATION EASEMENT.

Ecological: MOSTLY ON PESCADERO CLAY, VERNAL POOL MARGIN, OR VERNALLY WET GRASSLAND.

Threat: POSSIBLE SHEEP GRAZING ON THE PROPERTY.

General: APPROX. 15 PLANTS OBSERVED IN 1990. UNKNOWN NUMBER SEEN 1993-1998 DURING PIPELINE RESTORATION MONITORING. HABITAT PRESENT IN 2002.

Owner/Manager: SOLANO LAND TRUST

Astragalus tener var. tener

alkali milk-vetch

Element Code: PDFAB0F8R1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.

Occurrence No. 26 **Map Index:** 24758 **EO Index:** 6787
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-04-XX
Site: 2001-04-XX
Record Last Updated: 2008-01-03

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27148º / -121.82177º
UTM: Zone-10 N4236593 E603064
Area: 26.2 acres
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 13 **Qtr:** SW
Meridian: M

Location: AROUND NORTHERN MARGINS OF OLCOTT LAKE, 2 KM (1.2 MILES) SOUTHWEST OF DOZIER.

Location Detail: THREE COLONIES; NORTHWEST OF LAKE MARGIN ALONG RR TRACKS, NORTHEAST MARGIN OF LAKE 200 M EAST OF COOK LANE, AND JUST EAST OF COOK LANE 0.8 KM (0.5 MILE) SOUTH OF THE RR TRACKS.

Ecological: MOSTLY ON PESCADERO CLAY, VERNAL POOL MARGIN, OR VERNALLY WET GRASSLAND.

Threat: SHEEP GRAZING OCCURS ON A PORTION OF THE PROPERTY.

General: APPROX. 140 PLANTS OBSERVED IN 1990. FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONSERVATION EASEMENT. SMALL NUMBERS OF PLANTS SEEN IN 2001 ACCORDING TO WITHAM (2002).

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 27 **Map Index:** 24761 **EO Index:** 6807
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-04-XX
Site: 1990-04-XX
Record Last Updated: 2008-01-03

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25888º / -121.81342º
UTM: Zone-10 N4235204 E603812
Area: 17.8 acres
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 24 **Qtr:** S
Meridian: M

Location: 3 KM (2 MI) SOUTH OF DOZIER, JUST NORTH OF CALHOUN CUT.

Location Detail: FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONSERVATION EASEMENT.

Ecological: MOSTLY ON PESCADERO CLAY, VERNAL POOL MARGIN, OR VERNALLY WET GRASSLAND.

Threat: SHEEP GRAZING OCCURS ON A PORTION OF THE PROPERTY.

General: APPROX. 50 PLANTS OBSERVED IN TWO COLONIES IN 1990. WITHAM HAS SEEN SMALL NUMBERS OF PLANTS IN THIS GENERAL VICINITY SINCE INITIAL OBSERVATION, EXACT DATE UNKNOWN. CURRENTLY PROTECTED AS PART OF TNC'S JEPSON PRAIRIE PRESERVE.

Owner/Manager: SOLANO LAND TRUST

Astragalus tener var. tener

alkali milk-vetch

Element Code: PDFAB0F8R1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.

Occurrence No. 29 **Map Index:** 24743 **EO Index:** 8368
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 1966-03-31
Site: 2002-03-19
Record Last Updated: 2008-01-02

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35095º / -121.76792º
UTM: Zone-10 N4245473 E607657
Radius: 1/5 mile
Elevation: 20 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 20 **Qtr:** XX
Meridian: M

Location: WEST OF BUNKER STATION, NEAR INTERSECTION OF NORTON RD AND BINGHAMTON RD.

Ecological: GROWING ON CLAY SOILS.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1966 COLLECTION BY CRAMPTON. WITHAM CHECKED THIS VICINITY IN 1990 BUT NO PLANTS WERE OBSERVED. SURVEYED IN 2002, NO NATURAL HABITAT OR PLANTS OBSERVED.

Owner/Manager: UNKNOWN

Occurrence No. 30 **Map Index:** 24709 **EO Index:** 2457
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 1896-05-15
Site: 1896-05-15
Record Last Updated: 2008-01-03

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.32825º / -121.96125º
UTM: Zone-10 N4242747 E590791
Radius: 3/5 mile
Elevation: 150 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01W
Section: 34 **Qtr:** XX
Meridian: M

Location: LITTLE OAK, NEAR VACAVILLE.

Location Detail: MAPPED IN THE VICINITY WHERE THE JEPSON FAMILY'S LITTLE OAK RANCH WAS LOCATED, EAST OF PEABODY RD AND SOUTH OF ALAMO

General: COLLECTED IN THIS AREA SEVERAL TIMES BY JEPSON BETWEEN 1891 AND 1896. WITHAM (2002) BELIEVES SITE IS PROBABLY EXTIRPATED. MOST OF THE IMMEDIATE VICINITY IS URBANIZED OR UNDER INTENSIVE AGRICULTURE.

Owner/Manager: UNKNOWN

Occurrence No. 31 **Map Index:** 24741 **EO Index:** 7754
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 1978-05-08
Site: 2002-05-16
Record Last Updated: 2008-01-02

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.45952º / -121.65795º
UTM: Zone-10 N4257654 E617091
Radius: 1/5 mile
Elevation: 15 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 03E
Section: 17 **Qtr:** NE
Meridian: M

Location: 1/4 MILE SOUTH OF SAXON STATION.

Location Detail: MAPPED IN THE NE 1/4 OF THE NE 1/4 OF SECTION 17.

Ecological: GROWING IN A LARGE VERNAL MEADOW, ON CAPAY SOIL, WITH LASTHENIA GLABRATA, DOWNINGIA INSIGNIS, ALLOCARYA STIPITATA, BOISDUVALIA CLEISTOGAMA, PSILOCARPHUS BREVISSIMUS, P. OREGANUS, MYOSURUS MINIMIS.

Threat: HABITAT DEGRADED; MOSTLY OVERGRAZED COW PASTURE.

General: ONLY SOURCE OF INFO IS COLLECTION BY CRAMPTON IN 1978 (#9578). WITHAM VISITED SITE IN MAR & APR 2002, DID NOT SEE PLANTS BUT BELIEVES SITE IS EXTANT. BITTMAN VISITED SITE 5/16/02, BUT NO PLANTS FOUND. WITHAM WILL RESURVEY IN 2003.

Owner/Manager: UNKNOWN

Astragalus tener var. tener

alkali milk-vetch

Element Code: PDFAB0F8R1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.

Occurrence No. 32 **Map Index:** 24742 **EO Index:** 7753
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-04-XX
Site: 2003-04-XX
Record Last Updated: 2008-01-03

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.45668º / -121.67393º
UTM: Zone-10 N4257320 E615701
Area: 4.2 acres
Elevation: 15 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 07N
Range: 03E
Section: 17 **Qtr:** NW
Meridian: M

Location: 1 MILE SOUTHWEST OF SAXON STATION, 0.5 MILE WEST OF RR TRACKS, YOLO BYPASS AREA.

Location Detail: SEVERAL COLONIES MAPPED WITHIN THE NW 1/4 OF SECTION 17. 1960 COLLECTION BY CRAMPTON FROM 1.25 MILE SOUTHWEST OF SAXON STATION ALSO ATTRIBUTED TO THIS SITE.

Ecological: GROWING IN VALLEY GRASSLAND ON ADOBE SOIL, ALKALI VERNAL POOLS AND SWALES. DOMINATED BY LOLIUM MULTIFLORUM, LASTHENIA GLABRATA. ASSOC: LAYIA CHRYSANTHEMOIDES, BLENNOSPERMA NANUM, DOWNINGIA, ALOPECURUS HOWELLII, ET AL.

Threat: HABITAT DEGRADED. CONVERSION TO PASTURE. SOIL/VEG MODERATELY IMPACTED BY GRAZING, BUT OPEN AREAS CREATED BY GRAZING.

General: ORIGINAL SOURCE OF INFORMATION IS 1966 COLLECTION BY B. CRAMPTON IN DITCH ALONG ROAD. PLANTS FOUND IN APRIL 2002 BUT NOT ON 5/16/02. >100 PLANTS OBSERVED IN 2003 BETWEEN THIS & OCCURRENCES #64, #69 & #70.

Owner/Manager: UNKNOWN

Occurrence No. 33 **Map Index:** 24740 **EO Index:** 7746
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Unknown

Dates Last Seen
Element: 1979-04-09
Site: 2002-03-21
Record Last Updated: 2008-01-02

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo, Solano

Lat/Long: 38.49520º / -121.72071º
UTM: Zone-10 N4261536 E611560
Area:
Elevation: 40 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 08N
Range: 02E
Section: 35 **Qtr:** XX
Meridian: M

Location: SSE OF DAVIS ALONG TREMONT ROAD.

Location Detail: MAPPED ALONG TREMONT ROAD IN SECTIONS 34, 35, AND 36.

Ecological: GROWING ON A LEVELLED ALKALINE FLAT.

General: ONLY SOURCE OF INFORMATION ON THIS SITE IS 1979 COLLECTION BY B. CRAMPTON. WITHAM SEARCHED THE AREA IN 1990 BUT DID NOT FIND ANY PLANTS. IN 2002, WITHAM FOUND NO PLANTS AND NO NATURAL HABITAT ALONG TREMONT ROAD.

Owner/Manager: UNKNOWN

Astragalus tener var. tener

alkali milk-vetch

Element Code: PDFAB0F8R1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.

Occurrence No. 34 **Map Index:** 24738 **EO Index:** 19248
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 1959-04-13
Site: 2002-03-21
Record Last Updated: 2008-01-14

Quad Summary: Dixon (3812147/498A), Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.45978º / -121.75096º
UTM: Zone-10 N4257569 E608976
Radius: 1 mile
Elevation: 50 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 16 **Qtr:** XX
Meridian: M

Location: 6 MILES SOUTH OF DAVIS.

Threat: AGRICULTURE.

General: ONLY SOURCE OF INFORMATION IS A 1959 COLLECTION BY B. CRAMPTON. WITHAM SEARCHED THE AREA IN 1990 AND 2002 BUT DID NOT OBSERVE ANY PLANTS. NO NATURAL HABITAT FOUND ALONG SIKES, HACKMAN, & TREMONT RDS; ALL AG LAND.

Owner/Manager: UNKNOWN

Occurrence No. 38 **Map Index:** 34144 **EO Index:** 6955
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-25
Site: 2002-04-25
Record Last Updated: 2008-01-03

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23954º / -122.05739º
UTM: Zone-10 N4232813 E582489
Radius: 80 meters
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02W
Section: 35 **Qtr:** NW
Meridian: M

Location: NEAR SUISUN, EAST OF LEDGEWOOD CREEK, ABOUT 0.33 AIRMILE NORTHWEST OF JUNCTION OF PENNYSYLVANIA AVE AND CORDELIA ROAD.

Location Detail: WEST OF SUISUN AND SOUTH OF FAIRFIELD.

Ecological: SEASONALLY WET ANNUAL GRASSLAND, ON SILTY CLAY SOIL.

Threat: DEVELOPMENT.

General: ORIGINAL INFO IS 1886 COLLECTION BY E.L. GREENE. 10 PLANTS FOUND BY VOLLMAR IN 2002.

Owner/Manager: UNKNOWN

Occurrence No. 40 **Map Index:** 24735 **EO Index:** 6852
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 1922-04-21
Site: 2002-03-19
Record Last Updated: 2008-01-03

Quad Summary: Fairfield North (3812231/499D), Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26500º / -122.00517º
UTM: Zone-10 N4235686 E587028
Radius: 1 mile
Elevation: 30 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01W
Section: 20 **Qtr:** XX
Meridian: M

Location: 3 MILES NORTHEAST OF SUISUN.

Location Detail: MAPPED ALONG SOUTHERN PACIFIC RR TRACKS AT TOLENAS.

Ecological: GROWING ON LOW SUBALKALINE FLATS.

General: ONLY SOURCE OF INFORMATION IS 1922 COLLECTION BY JEPSON. NO HABITAT PRESENT AND NO PLANTS OBSERVED IN 2002. PROBABLY EXTIRPATED.

Owner/Manager: UNKNOWN

Astragalus tener var. tener

alkali milk-vetch

Element Code: PDFAB0F8R1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.

Occurrence No. 44 **Map Index:** 24806 **EO Index:** 25844
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-04-06
Site: 2004-04-06
Record Last Updated: 2008-01-03

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.48980º / -121.68505º
UTM: Zone-10 N4260981 E614678
Area: 11.7 acres
Elevation: 25 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 08N
Range: 03E
Section: 31 **Qtr:** SE
Meridian: M

Location: AIR FORCE COMMUNICATIONS FACILITY, SOUTH OF DAVIS.

Location Detail: DAVIS COMMUNICATIONS ANNEX. EAST OF ROAD 104 AND BETWEEN ROADS 35 AND 36. MANY SMALL COLONIES MAPPED BY CNDDB AS 5 POLYGONS.

Ecological: ON PESCADERO SOIL ADJACENT TO PONDED AREAS, IN AREAS OF LOWER PLANT COVER. ASSOCIATES INCLUDE SEVERAL ALKALINE WETLAND SPECIES SUCH AS FRANKENIA, PLAGIOBOTHRYS STIPITATA STIPITATA, AND POGOGYNE ZIZYPHOROIDES. OTHER RARE PLANTS ALSO HERE.

Threat: COMPETITION FROM SALSOLA, LEPIDIUM LATIFOLIUM, ETC. HISTORIC DISKING, HERBICIDE USE, AND FIRE SUPPRESSION.

General: 65 PLANTS OBSERVED OVER 2.5 ACRES IN 1993 IN THE SOUTHERNMOST POLYGON. NONE FOUND IN 1995, 1996, OR 2002. 912 OBSERVED IN 2004 IN THE 4 NORTHERN POLYGONS.

Owner/Manager: DOD-MCCLELLAN AFB

Occurrence No. 47 **Map Index:** 10073 **EO Index:** 12761
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1893-04-03
Site: 1893-04-03
Record Last Updated: 2008-01-02

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28879º / -121.96247º
UTM: Zone-10 N4238367 E590735
Radius: 1 mile
Elevation: 80 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01W
Section: 10 **Qtr:** SW
Meridian: M

Location: VANDEN STATION.

Location Detail: VANDEN STATION = TRAINSTOP ABOUT 5 MILES SOUTH OF VACAVILLE.

General: SITE IS BASED ON 2 1893 COLLECTIONS FROM THE SAME DATE.

Owner/Manager: UNKNOWN

Occurrence No. 48 **Map Index:** 26313 **EO Index:** 4690
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-03-24
Site: 2002-XX-XX
Record Last Updated: 2008-01-02

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27609º / -121.84696º
UTM: Zone-10 N4237077 E600854
Area: 21.0 acres
Elevation: 25 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 15 **Qtr:** SE
Meridian: M

Location: 2 MILES WSW OF DOZIER & 1 MILE WEST OF OLCOTT LAKE.

Ecological: MESIC ALKALI AREAS SUCH AS SWALE TRIBUTARIES TO LARGE PLAYA POOLS AND/OR VERNAL POOLS. ASSOCIATED WITH BLENNOSPERMA NANUM, DISTICHLIS SPICATA, LASTHENIA PLATYCARPHA, AND LAYIA CHRYSANTHEMOIDES. SOLANO-PESCADERO SOILS.

Threat: CATTLE & SHEEP GRAZING.

General: MORE THAN 350 PLANTS OBSERVED IN FOUR COLONIES IN 1994. SITE VISTED MANY TIMES DURING 1991-1994; PLANTS SEEN ONLY AFTER RECENT DISTURBANCE DUE TO UNDERGROUND PIPELINE CONSTRUCTION. HABITAT OBSERVED THROUGH BINOCS IN 2002, PRESUMED EXTANT.

Owner/Manager: PVT

Astragalus tener var. tener

alkali milk-vetch

Element Code: PDFAB0F8R1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.

Occurrence No. 52 **Map Index:** 30543 **EO Index:** 13273
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-XX-XX
Site: 1994-XX-XX
Record Last Updated: 1994-11-14

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26679º / -121.97445º
UTM: Zone-10 N4235913 E589714
Radius: 80 meters
Elevation: 45 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01W
Section: 21 **Qtr:** NE
Meridian: M

Location: TRAVIS AIR FORCE BASE, SOUTH OF LANDING STRIP AND RAILROAD TRACKS, 0.5 MILE SOUTH OF PEABODY ROAD AT AIR BASE PARKWAY.

Location Detail: WEST OF TRAVIS AFB HOSPITAL AND PARALLEL TO THE RAILROAD TRACKS ON FURTHERMOST PROPERTY OWNED BY THE BASE.

Ecological: IN UPLAND GRASSLAND ADJACENT TO ALKALINE VERNAL POOL. LASTHENIA CONJUGENS IS ALSO PRESENT IN HEALTHY POPULATION.

Threat: POOL IS SEASONALLY USED AS A HORSE PASTURE.

General: OVERALL SITE QUALITY IS GOOD. IN 1994, BIOSYSTEMS ANALYSIS FOUND 27 PLANTS IN 10 SCATTERED POOLS. WITHAM WAS UNABLE TO OBTAIN ACCESS TO SITE IN 2002.

Owner/Manager: DOD-TRAVIS AFB

Occurrence No. 59 **Map Index:** 51703 **EO Index:** 51703
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-27
Site: 2002-04-27
Record Last Updated: 2008-01-10

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29562º / -121.79876º
UTM: Zone-10 N4239298 E605042
Radius: 80 meters
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02E
Section: 07 **Qtr:** NW
Meridian: M

Location: WEST OF SALEM ROAD, 0.75 MILE SOUTH OF ULATIS CREEK, DFG CALHOUN CUT ECOLOGICAL RESERVE, NORTH OF RIO VISTA.

Location Detail: ABOUT 0.25 MILE ESE OF WINDMILL. MAPPED WITHIN THE SE 1/4 OF THE NW 1/4 OF SECTION 7.

Ecological: ALKALI VERNAL POOLS AND SWALES. ASSOCIATED WITH HORDEUM DEPRESSUM, LASTHENIA FREMONTII, AND LEPIDIUM DICTYOTUM.

Threat: SOIL/VEG MODERATELY IMPACTED BY GRAZING, BUT MAY NOT THREATEN THIS SPECIES.

General: UNKNOWN NUMBER OF PLANTS OBSERVED IN 2002, AS PART OF RELEVE DATA COLLECTED BY THE UC DAVIS VERNAL POOL TEAM DURING THE 2002 FIELD SEASON. NO POPULATION CENSUS CONDUCTED, BUT THIS 10 SQUARE M PLOT CONTAINED 1% COVER OF A. TENER TENER.

Owner/Manager: DFG-CALHOUN CUT ER

Occurrence No. 60 **Map Index:** 51704 **EO Index:** 51704
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-02
Site: 2002-04-02
Record Last Updated: 2008-01-10

Quad Summary: Dozier (3812137/498D), Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26944º / -121.87560º
UTM: Zone-10 N4236309 E598358
Area: 10.0 acres
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 21 **Qtr:** NW
Meridian: M

Location: WILCOX RANCH SITE #4, 3.2 AIRMILES WSW OF DOZIER, EAST OF TRAVIS AIR FORCE BASE.

Location Detail: MAPPED WITHIN THE NW 1/4 OF THE NW 1/4 OF SECTION 21.

Ecological: ALKALI VERNAL POOLS AND SWALES ON A COMPLEX OF PESCADERO CLAY LOAM. DOMINATED BY LOLIUM MULTIFLORUM AND PLEUROPOGON CALIFORNICUS. LOWER POLYGON ALSO ASSOCIATED WITH DOWNINGIA CONCOLOR, LASTHENIA FREMONTII, & PLAGIOBOTHRYS LEPTOCLADUS.

Threat: SOIL/VEG MODERATELY IMPACTED BY CATTLE GRAZING, BUT MAY NOT THREATEN THIS SPECIES.

General: UNKNOWN NUMBER OF PLANTS OBSERVED IN APRIL 2002. PLANTS FOUND IN TWO ADDITIONAL UNMAPPED POOLS IN THIS VICINITY ON 3/30/02. RECENTLY ACQUIRED BY TNC TO BE TRANSFERRED TO DFG OR STATE LANDS.

Astragalus tener var. tener

alkali milk-vetch

Element Code: PDFAB0F8R1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.

Owner/Manager: TNC

Occurrence No. 61 **Map Index:** 51705 **EO Index:** 51705

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-03-30
Site: 2002-03-30
Record Last Updated: 2003-07-07

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26438º / -121.86270º
UTM: Zone-10 N4235761 E599493
Area: 7.7 acres
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 21 **Qtr:** NE
Meridian: M

Location: WILCOX RANCH SITE #1 AND #2, ABOUT 2.2 MILES WSW OF OLCOTT, WSW OF DOZIER.

Location Detail: MAPPED WITHIN THE SE 1/4 OF THE NE 1/4 OF SECTION 21.

Ecological: ALKALINE VERNAL FLAT WITH LASTHENIA FREMONTII, BLENNOSPERMA NANUM, LOLIUM MULTIFLORUM, PLEUROPOGON, DESCHAMPSIA DANTHONIOIDES, LEPIDIUM NITIDUM, LEPIDIUM OXYCARPUM, FRANKENIA, CRESSA TRUXILLENSIS, ALOPECURUS SACCATUS, COTULA CORONOPIFOLIA.

Threat: TRAMPLING, DEER HOOFPRINTS.

General: 2,200 PLANTS OBSERVED IN 2002. WILCOX RANCH IS BEING PURCHASED BY TNC. THE RARE LEPIDIUM LATPIES VAR. LATIPES AND LEPIDIUM LATIPES VAR. HECKARDII ALSO OCCUR AT THIS SITE.

Owner/Manager: TNC

Occurrence No. 62 **Map Index:** 51706 **EO Index:** 51706

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-04-04
Site: 2001-04-04
Record Last Updated: 2003-07-07

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25267º / -121.78616º
UTM: Zone-10 N4234546 E606206
Radius: 80 meters
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02E
Section: 29 **Qtr:** NW
Meridian: M

Location: DFG CALHOUN CUT ECOLOGICAL RESERVE, 1.15 AIR MILES ESE OF CALHOUN CUT AT HWY 113.

Location Detail: MAPPED WITHIN THE W 1/2 OF THE NW 1/4 OF SECTION 29.

Ecological: ALKALI VERNAL POOLS AND SWALES.

Threat: SOIL/VEG MODERATELY IMPACTED BY GRAZING, BUT OPEN SPACE CREATED BY THIS TYPE OF DISTURBANCE CRITICAL TO THIS SPECIES.

General: UNKNOWN NUMBER OF PLANTS OBSERVED IN 2001. RECORDED AS RELEVE DATA COLLECTED BY THE UC DAVIS VERNAL POOL TEAM.

Owner/Manager: DFG-CALHOUN CUT ER

Astragalus tener var. tener

alkali milk-vetch

Element Code: PDFAB0F8R1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.

Occurrence No. 63 **Map Index:** 51707 **EO Index:** 51707
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-03-30
Site: 2002-03-30
Record Last Updated: 2003-07-07

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.25906º / -121.89532º
UTM: Zone-10 N4235136 E596647
Radius: 80 meters
Elevation: 35 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 20 **Qtr:** SW
Meridian: M

Location: WILCOX RANCH SITE #3, NORTH OF OLD RR GRADE ABOUT 0.5 MILE WEST OF POWERLINE, EAST OF TRAVIS AIR FORCE BASE.

Location Detail: MAPPED WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 20.

Ecological: SMALL ALKALI DEPRESSION (VERNAL POOL) ALONG MESIC SWALE ON SOLANO LOAM. ASSOCIATES INCLUDE PLAGIOBOTHRYS LEPTOCLADUS, LEPIDIUM MULTIFLORUM, PLEUROPOGON CALIFORNICUS, ALOPECURUS, PILULARIA AMERICANA AND POGOGYNE ZIZYPHOROIDES.

Threat: SOIL/VEG MODERATELY IMPACTED BY GRAZING, BUT OPEN SPACE CREATED BY THIS TYPE OF DISTURBANCE CRITICAL TO THIS SPECIES.

General: 300 PLANTS OBSERVED IN 2002. RECENTLY ACQUIRED BY TNC AND TO BE TRANSFERRED TO DFG OR THE SOLANO LAND TRUST.

Owner/Manager: TNC

Occurrence No. 64 **Map Index:** 51708 **EO Index:** 51708
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-04-09
Site: 2003-04-09
Record Last Updated: 2008-01-10

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.43951º / -121.67286º
UTM: Zone-10 N4255415 E615822
Area: 15.0 acres
Elevation: 15 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 07N
Range: 03E
Section: 20 **Qtr:** NW
Meridian: M

Location: DFG GLIDE-TULE RANCH ECOLOGICAL RESERVE, APPROXIMATELY 2 MILES SOUTHWEST OF SAXON.

Location Detail: MAPPED AS 3 POLYGONS IN THE WESTERN PORTION OF SECTION 20. INCLUDES GLIDE SITE #2.

Ecological: ALKALI VERNAL POOLS AND SWALES ON DEEPLY CHURNING SOILS OF THE PESCADERO CLAY AND CLEAR LAKE CLAY SERIES. ASSOCIATES INCLUDE LASTHENIA FREMONTII, LOLIUM MULTIFLORUM, TRIPHYSARIA ERIANTHA SSP. ERIANTHA, AND LUPINUS BICOLOR.

Threat: SOIL/VEG MODERATELY IMPACTED BY GRAZING, BUT MAY NOT THREATEN THIS SPECIES.

General: 5 PLANTS OBSERVED OVER SEVERAL VISITS AS PART OF THE KINDER-MORGAN PIPELINE SURVEY (2002). >100 PLANTS OBSERVED IN 2003 BETWEEN THIS & OCC #32. RECENTLY ACQUIRED BY DFG AS PART OF THE YOLO BASIN ECOLOGICAL AREA. INCLUDES FORMER EO #69.

Owner/Manager: DFG

Astragalus tener var. tener

alkali milk-vetch

Element Code: PDFAB0F8R1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.

Occurrence No. 65 **Map Index:** 51709 **EO Index:** 51709
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-25
Site: 2002-04-25
Record Last Updated: 2008-01-10

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23028º / -122.06194º
UTM: Zone-10 N4231782 E582101
Area: 6.0 acres
Elevation: 7 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 02W
Section: 35 **Qtr:** SW
Meridian: M

Location: WEST OF LEDGEWOOD CREEK, ABOUT 0.55 MILE SW OF JUNCTION OF PENNSYLVANIA AVE AND CORDELIA ROAD, SOUTH OF FAIRFIELD.

Location Detail: WEST OF SUISUN CITY.

Ecological: SEASONALLY WET ANNUAL GRASSLAND, SILTY CLAY SOIL, LEVEL. FOUND ON MARGINS OF SLOWLY SLOPING ALKALI POOL. DOMINANT SPECIES WERE BROMUS HORDEACEUS, HORDEUM MARINUM GUSSONEANUM, TRIFOLIUM VARIEGATUM, & LASTHENIA CONJUGENS.

General: 200 PLANTS OBSERVED ON APRIL 16, 2002, MORE THAN 300 PLANTS OBSERVED ON APRIL, 25 2002. THE RARE LASTHENIA CONJUGENS IS FOUND 100 FT TO THE NW OF THIS SITE. SITE IS REPORTED AS UPSLOPE OF ATRIPLEX PERSISTENS. CATTLE GRAZING PRESENT ON SITE.

Owner/Manager: PVT-GENTRY CO

Occurrence No. 69 **Map Index:** 54631 **EO Index:** 54631
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-04-XX
Site: 2003-04-XX
Record Last Updated: 2004-03-09

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.43748º / -121.67135º
UTM: Zone-10 N4255192 E615957
Area: 0.5 acres
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 03E
Section: 20 **Qtr:** W
Meridian: M

Location: DFG GLIDE-TULE RANCH ECOLOGICAL RESERVE, EAST OF RAILROAD, APPROX 1.5 AIRMILE NNE OF VAUGHN RANCH PUMP HOUSE.

Location Detail: ONE SMALL COLONY MAPPED IN THE CENTER OF THE WESTERN HALF OF SECTION 20.

Ecological: MESIC GRASSLAND DOMINATED BY LASTHENIA GLABRATA AND LOLIUM MULTIFLORUM. ASSOCIATES INCLUDE LAYIA CHRYSANTHEMOIDES, BLENNOSPERMA NANUM ET AL.

Threat: CATTLE GRAZING.

General: >100 PLANTS OBSERVED IN 2003 BETWEEN THIS OCC #32 & #64.

Owner/Manager: DFG

Occurrence No. 70 **Map Index:** 54633 **EO Index:** 54633
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-04-XX
Site: 2003-04-XX
Record Last Updated: 2005-03-01

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.45262º / -121.67215º
UTM: Zone-10 N4256871 E615863
Area: 0.8 acres
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 03E
Section: 17 **Qtr:** NW
Meridian: M

Location: DFG GLIDE-TULE RANCH ER, ABOUT 0.25 MILE WEST OF RAILROAD TRACKS ALONG SLOUGH, 1.9 AIRMILES SOUTHWEST OF GLIDE RANCH.

Location Detail: ONE SMALL COLONY MAPPED IN THE SW 1/4 OF THE NW 1/4 OF SECTION 17.

Ecological: MESIC GRASSLAND DOMINATED BY LASTHENIA GLABRATA AND LOLIUM MULTIFLORUM. ASSOCIATES INCLUDE LAYIA CHRYSANTHEMOIDES, BLENNOSPERMA NANUM ET AL.

Threat: CATTLE GRAZING.

General: LESS THAN 100 PLANTS OBSERVED IN 2003 BETWEEN THIS OCCURRENCE & OCCURRENCES #32, #64 & #69.

Owner/Manager: DFG

Astragalus tener var. tener

alkali milk-vetch

Element Code: PDFAB0F8R1

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G1T1	**CNPS List:** 1B.2
State: None	**State:** S1.1	

Habitat Associations

General: ALKALI PLAYA, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro: LOW GROUND, ALKALI FLATS, AND FLOODED LANDS; IN ANNUAL GRASSLAND OR IN PLAYAS OR VERNAL POOLS. 1-170M.

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 32 **Map Index:** 10886 **EO Index:** 9970
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-05-05
Site: 2003-05-05
Record Last Updated: 2003-05-06

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.41582º / -121.67981º
UTM: Zone-10 N4252778 E615254
Area:
Elevation: 15 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 03E
Section: 31 **Qtr:** NE
Meridian: M

Location: VICINITY OF THE VAUGHN RANCH, ALONG MIDWAY ROAD (AKA ROAD 152), ABOUT 12 MILES ESE OF DIXON.

Location Detail: 2003: OWL SPOTTED PERCHED ON A WOOD FENCE POST JUST NORTH OF THE DITCH THAT RUNS ALONG THE NORTH SIDE OF MIDWAY ROAD, EAST OF THE MOBILE HOME & CABOOSE & WEST OF THE POWER LINES.

Ecological: SURROUNDING LAND USE IS AGRICULTURE. 2003: GRASSLANDS TO THE NORTH AND SOUTH OF MIDWAY ROAD. A FEW RODENT BURROWS OBSERVED ALONG THE FENCELINE AT THE TOP OF THE DITCH.

General: ONE OBSERVATION IN 1987. ONE OBSERVED IN 1989; PRESUMED BURROW SITE NEARBY. ONE OBSERVED 5 MAY 2003.

Owner/Manager: PVT

Occurrence No. 33 **Map Index:** 10823 **EO Index:** 19677
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-XX
Site: 2004-05-XX
Record Last Updated: 2004-11-29

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.40133º / -121.71376º
UTM: Zone-10 N4251128 E612312
Area:
Elevation: 20 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 06N
Range: 02E
Section: 02 **Qtr:** NE
Meridian: M

Location: IN THE VICINITY OF THE INTERSECTION OF YOLANO ROAD, KING ROAD, AND LIBERTY ISLAND ROAD, 11 MILES SE OF DIXON

Location Detail: 1987: OWLS USING MASONRY BLOCKS. 1990: OWLS ON FENCE NEXT TO CEMENT FOUNDATION. 2001: OWLS USING METAL CULVERT & CONCRETE FOUNDATION. 2002: OWLS ON RR GRADE SOUTH OF KING RD. 2003: OWL IN BURROW JUST WEST OF FOUNDATION.

Ecological: BURROWS CONSIST OF ABANDONED MASONRY BLOCKS, CULVERTS AND OTHER MAN-MADE STRUCTURES; SURROUNDED BY A MIX OF GRAZED ANNUAL GRASSLAND AND AGRICULTURE.

Threat: THREATENED BY HABITAT LOSS AND CONVERSION TO AGRICULTURE.

General: 1987: LARGE COLONY OBS. 1989: 2 ADULTS OBS/"DOR" FLEDGLING FOUND. 1990: 2 ADULTS OBS. 12 DEC 2001: 2 AD/3 JUV OBS. 24 JAN 2002: 1 ADULT OBS AT BURROW AT RR GRADE. 5 MAY 2003: 1 ADULT FLUSHED FROM BURROW. MAY 2004: 2 AD/2 JUV OBS AT BURROW.

Owner/Manager: PVT

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 70 **Map Index:** 09716 **EO Index:** 25452
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Increasing

Dates Last Seen
Element: 1987-06-06
Site: 1987-06-06
Record Last Updated: 1989-08-10

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23018º / -122.06359º
UTM: Zone-10 N4231769 E581957
Radius: 1/5 mile
Elevation: 10 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02W
Section: 35 **Qtr:** XX
Meridian: M

Location: CORDELIA ROAD JCT W/ OREHR RD, APPROX 1.5 MI S OF HWY 12 JCT W/I-80, FAIRFIELD.

Threat: THREATENED BY LIVESTOCK AND A PROPOSED BUSINESS PARK.

General: BREEDING COLONY OF MANY BURROWS, LOCATED ALONG A DRY DITCH; IN 1982, 9 ADULTS AND 4 JUVENILES OBSERVED. SITE QUALITY EXCELLENT, ACCORING TO LEONG.

Owner/Manager: UNKNOWN

Occurrence No. 103 **Map Index:** 17253 **EO Index:** 12007
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-06-30
Site: 1990-06-30
Record Last Updated: 1992-07-03

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.39610º / -121.78607º
UTM: Zone-10 N4250462 E606005
Radius: 1/5 mile
Elevation: 30 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 06 **Qtr:** NE
Meridian: M

Location: ALONG WEST SIDE OF ROBBEN ROAD, 1.4 MI SOUTH OF MIDWAY ROAD, APPROXIMATELY 3 MI SE OF DIXON.

Ecological: SITE IS A GAS WELL OR GAS STORAGE SITE, SURROUNDED BY AGRICULTURAL GRAIN CROPS.

Threat: MAIN THREAT IS ASSOCIATED WITH THE PROXIMITY OF THE SITE TO AGRICULTURAL ACTIVITIES.

General: IN 1989, ONE ADULT OWL WAS OBSERVED BY WHISLER. OWL FLUSHED FROM SITE WHEN DISTURBED, BUT IMMEDIATELY RETURNED TO THE SAME LOCATION. ONE ADULT OWL OBSERVED IN 1990 BY MYERS AND DOUGLAS.

Owner/Manager: UNKNOWN

Occurrence No. 104 **Map Index:** 17254 **EO Index:** 13607
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1989-07-01
Site: 1989-07-01
Record Last Updated: 1990-12-19

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.43289º / -121.78632º
UTM: Zone-10 N4254544 E605929
Radius: 1/5 mile
Elevation: 40 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 19 **Qtr:** SE
Meridian: M

Location: 200 YDS NORTH OF MILLER ROAD, ALONG ROBBEN ROAD, APPROXIMATELY 2 MI ESE OF DIXON.

Owner/Manager: UNKNOWN

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 105 **Map Index:** 17255 **EO Index:** 13604
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1989-07-01
Site: 1989-07-01
Record Last Updated: 2002-08-27

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.41746º / -121.78626º
UTM: Zone-10 N4252832 E605957
Area: 57.9 acres
Elevation: 40 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 07N
Range: 02E
Section: 30 **Qtr:** XX
Meridian: M

Location: 2 MI SE DIXON. 0.2 MILE NORTH ALONG ROBBEN ROAD & 800 FT EAST ALONG MIDWAY ROAD FROM INTERSECT OF MIDWAY & ROBBEN.

Location Detail: 1 INDIVIDUAL (NEAR BURROW THAT IS DIFFICULT TO VIEW) AND 2 OTHER ADULTS OBSERVED AT 2 DIFFERENT LOCATIONS (ALONG IRRIGATION DITCH) ON WEST SIDE OF ROBBENS ROAD. 1 ADULT OBSERVED USING CULVERT AT NE CORNER OF ROBBENS ROAD AND MIDWAY ROAD.

Ecological: HABITAT CONSISTS OF FALLOW FIELDS AND IS SURROUNDED BY AGRICULTURAL GRAIN CROPS.

Threat: IRRIGATION DITCH MAINTENANCE COULD IMPACT OWL.

General: 3 INDIVIDUALS WEST OF ROBBENS ROAD OBSERVED ON 1 JULY 1989. ADULT AT NE CORNER OF MIDWAY ROAD AND ROBBENS ROAD OBSERVED ON 1 JAN 1989.

Owner/Manager: UNKNOWN

Occurrence No. 113 **Map Index:** 17304 **EO Index:** 11960
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Unknown

Dates Last Seen
Element: 1983-XX-XX
Site: 1989-03-12
Record Last Updated: 1996-01-11

Quad Summary: Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.28286º / -122.02487º
UTM: Zone-10 N4237649 E585284
Radius: 2/5 mile
Elevation: 80 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02W
Section: 13 **Qtr:** XX
Meridian: M

Location: HILLSIDE DRIVE, OFF OF DOVER AVE, FAIRFIELD.

Location Detail: THREE OWLS OBSERVED LIVING IN HOLES BURROWED BY GOPHERS NEAR FENCE POSTS, IN 1983; NO BIRDS OBSERVED IN 1989.

Ecological: IN 1983, SURROUNDING HABITAT WAS VALLEY GRASSLAND.

Threat: MAIN THREAT IS A HOUSING DEVELOPMENT WHICH IS ENVELOPING THE HILL.

General: ACCORDING TO LEONG, THE SITE IS "BEYOND PROTECTION."

Owner/Manager: UNKNOWN

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 114 **Map Index:** 17308 **EO Index:** 11957
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1989-09-04
Site: 1989-09-04
Record Last Updated: 1991-01-16

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.31610º / -121.87061º
UTM: Zone-10 N4241491 E598731
Radius: 80 meters
Elevation: 45 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01E
Section: 33 **Qtr:** SW
Meridian: M

Location: JUST NW OF THE INTERSECTION OF HAY ROAD AND DALLY ROAD, APPROXIMATELY 3 MI ESE OF ELMIRA.
Location Detail: TWO ADULTS AND BURROW OBSERVED IN THE EMBANKMENT BUILT TO INSULATE SILOS ON THE NORTH SIDE OF THE EMBANKMENT.
Ecological: AREA IS DEVOID OF PLANTS AND IS USED AS A PARKING LOT FOR FARM IMPLEMENTS. SURROUNDING AREA IS PLANTED IN OAT HAY.
General: 3 OWLS AND BURROW OBSERVED AT THIS SITE ON 8 MARCH 1984 BY JOHN LOVIO.
Owner/Manager: UNKNOWN

Occurrence No. 115 **Map Index:** 17309 **EO Index:** 9211
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1989-04-09
Site: 1989-04-09
Record Last Updated: 1992-05-01

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.27528º / -121.91323º
UTM: Zone-10 N4236917 E595059
Area:
Elevation: 70 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 18 **Qtr:** SW
Meridian: M

Location: AT THE END OF MERIDIAN ROAD, ON THE EAST SIDE, ONE MI EAST OF TRAVIS FIELD.
Location Detail: AT LEAST FIVE BURROWS, WITH 8 ADULTS (AT LEAST 3 PAIRS), LOCATED ON THE SLOPES OF A SEASONAL POND.
Ecological: AREA IS NOT PLOWED BECAUSE OF DRY POND AREA.
Threat: CATTLE GRAZING.
General: MANY GROUND SQUIRRELS IN THE AREA. BIRDS ARE NOT PERTURBED BY AIRPLANE RUNWAY NEARBY.
Owner/Manager: UNKNOWN

Occurrence No. 116 **Map Index:** 17310 **EO Index:** 13587
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Stable

Dates Last Seen
Element: 1989-03-12
Site: 1989-03-12
Record Last Updated: 1991-01-17

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26862º / -121.97049º
UTM: Zone-10 N4236120 E590058
Radius: 1/5 mile
Elevation: 50 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01W
Section: 21 **Qtr:** NE
Meridian: M

Location: AERO CLUB AIRPORT, JUST SOUTH OF THE JUNCTION OF PEABODY ROAD WITH AIR BASE PARKWAY, TRAVIS AFB, FAIRFIELD.

Owner/Manager: DOD-TRAVIS AFB

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 117 **Map Index:** 17311 **EO Index:** 12261

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1982-XX-XX
Site: 1989-03-12
Record Last Updated: 1991-01-17

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.27647º / -121.93731º
UTM: Zone-10 N4237024 E592951
Radius: 1/5 mile
Elevation: 75 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01W
Section: 14 **Qtr:** SE
Meridian: M

Location: IN THE VICINITY OF THE OFFICER'S CLUB AT TRAVIS AFB, NEAR FAIRFIELD.

Ecological: HABITAT IS GRASSY, OPEN FIELDS WITH CULVERTS THAT DO NOT HAVE WATER IN THEM DURING THE BREEDING SEASON.

Threat: POTENTIAL THREAT OF DISTURBANCE DUE TO THE HIGH LEVEL OF HUMAN ACTIVITY.

General: NAPA-SOLANO AUDUBON REPORTS THAT THE BIRDS BREED HERE AND RESIDE YEAR-ROUND. THEY HAVE RECEIVED YEARLY REPORTS OF THE BIRDS PRESENCE SINCE 1982, ALTHOUGH NO BIRDS WERE OBSERVED ON A VISIT THERE IN 1989 (SHORTLY AFTER A HEAVY RAIN).

Owner/Manager: DOD-TRAVIS AFB

Occurrence No. 118 **Map Index:** 17312 **EO Index:** 13600

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1982-XX-XX
Site: 1989-03-12
Record Last Updated: 1991-01-17

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26885º / -121.95404º
UTM: Zone-10 N4236162 E591497
Radius: 2/5 mile
Elevation: 60 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01W
Section: 22 **Qtr:** XX
Meridian: M

Location: IN THE VICINITY OF TRAVIS ELEMENTARY SCHOOL, THE POST OFFICE, VET CENTER, AND BASE EXCHANGE, TRAVIS AFB, NEAR FAIRFIELD.

Owner/Manager: DOD-TRAVIS AFB

Occurrence No. 119 **Map Index:** 17317 **EO Index:** 13595

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1989-03-12
Site: 1989-03-12
Record Last Updated: 1991-01-17

Quad Summary: Elmira (3812138/498C), Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.28413º / -122.00173º
UTM: Zone-10 N4237812 E587307
Radius: 2/5 mile
Elevation: 75 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01W
Section: 17 **Qtr:** NW
Meridian: M

Location: NW OF CEMENT HILL ROAD JUNCTION WITH CLAY BANK ROAD, SOUTH OF CEMENT HILL, NEAR FAIRFIELD.

Owner/Manager: FAIRFIELD SANITATION

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 120 **Map Index:** 17337 **EO Index:** 11953
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1989-03-12
Site: 1989-03-12
Record Last Updated: 1991-01-23

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.41347º / -121.89770º
UTM: Zone-10 N4252267 E596234
Radius: 1/5 mile
Elevation: 75 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 31 **Qtr:** NE
Meridian: M

Location: OLD VACA VALLEY RACEWAY, SW OF THE INTERSECTION LEWIS AND MIDWAY RDS, JUST EAST OF I-80, NE OF VACAVILLE.
Location Detail: OWLS FOUND IN BURROWS MADE BY GROUND SQUIRRELS.
Ecological: HABITAT IS MADE UP OF MOUNDS OF DIRT THAT IS HEAVILY SODDED.
Threat: POTENTIAL THREAT OF DEVELOPMENT.
Owner/Manager: UNKNOWN

Occurrence No. 121 **Map Index:** 17357 **EO Index:** 11951
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Decreasing

Dates Last Seen
Element: 1982-02-12
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo, Solano

Lat/Long: 38.41619º / -121.69328º
UTM: Zone-10 N4252802 E614077
Radius: 1/5 mile
Elevation: 20 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 03E
Section: 30 **Qtr:** SW
Meridian: M

Location: 200 YDS EAST OF THE INTERSECTION OF MIDWAY RD (152) AND LEVEE RD, APPROXIMATELY 12.5 MI SOUTH OF DAVIS.
Location Detail: TWO ADULTS AND THREE JUVENILES OBSERVED ON 30 JAN 1982 OCCUPYING GOPHER HOLES ALONG THE FENCE LINE NORTH OF THE DITCH; ALSO OBSERVED ON 12 FEB 1982. 5/5/2003 NO BIRDS SEEN.
Ecological: SURROUNDING HABITAT IS FARMLAND WITH SOME CATTLE GRAZING. 5/5/2003- HEAVY VEGETATION COVER ON THE DITCH LINE.
Threat: POTENTIAL THREAT OF DISTURBANCE BY CATTLE AND/OR AGRICULTURAL PRACTICES.
General: ON SUBSEQUENT TRIPS TO THIS SITE IN 1986, 1987, AND 1989, NO BIRDS WERE FOUND, AND IT APPEARED THAT THE BURROWS HAD BEEN DISTURBED. 5/5/2003- NO BIRDS OBSERVED, HIGH GREEN GRASS FROM LATE RAINS MAYBE HIDING BURROWS.
Owner/Manager: PVT-VAUGHN RANCH

Occurrence No. 131 **Map Index:** 21012 **EO Index:** 9167
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-04-04
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.47465º / -121.69828º
UTM: Zone-10 N4259283 E613549
Radius: 80 meters
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 01 **Qtr:** SE
Meridian: M

Location: JUST NW OF THE JUNCTION OF MAXWELL LANE AND ROAD 104, APPROXIMATELY 8 MI SOUTH OF DAVIS.
Ecological: HABITAT IS AN OPEN, GRASSY FIELD DOMINATED BY WEEDY SPECIES. ALTHOUGH SOMEWHAT DISTURBED, IT IS FAR LESS SO THAN SURROUNDING AGRICULTURAL FIELDS. 5/5/2003 ALFALFA SOUTH, GRASS NORTH, A FEW CATTLE SEEN, DRY RAISED AREA NEAR TROUGH.
Threat: 4/4/1992 - NEIGHBORING LANDOWNER INDICATED THAT THIS SITE IS SCHEDULED FOR DEVELOPMENT. 5/5/2003 NO DEVELOPMENT SEEN.
General: ALTHOUGH FAIRLY UNDISTURBED, LAND AT THIS SITE MAY BE LIGHTLY GRAZED. IN 1990, TWO FAMILY GROUPS, EACH WITH TWO ADULTS AND AT LEAST TWO YOUNG EACH OBSERVED. IN 1992, THREE ADULT OWLS OBSERVED AT BURROW ENTRANCE. 5/5/2003 NO OWLS WERE SEEN.
Owner/Manager: PVT

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 133 **Map Index:** 21534 **EO Index:** 19692

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1989-07-02
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.38207º / -121.73024º
UTM: Zone-10 N4248971 E610902
Radius: 80 meters
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 11 **Qtr:** NW
Meridian: M

Location: JUST SOUTH OF ETZEL ROAD JUNCTION WITH OLD SACRAMENTO NORTHERN RR TRACKS, APPROXIMATELY 6 MI NORTH OF LIBERTY FARMS.
Location Detail: BURROW SITE LOCATED IN A PILE OF OLD PIPES UNDER THE POWERLINES, NEXT TO A POWER POLE.
Ecological: SURROUNDING HABITAT CONSISTS OF AGRICULTURE, CANALS, PONDS, AND WATER PIPE STORAGE.
General: 7/2/1989-TWO BURROWING OWLS OBSERVED; ONE ADULT AND ONE OF UNKNOWN AGE. 5/5/2003 NO OWLS WERE SEEN.
Owner/Manager: UNKNOWN

Occurrence No. 134 **Map Index:** 21528 **EO Index:** 9597

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1989-07-02
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.44687º / -121.70719º
UTM: Zone-10 N4256189 E612815
Radius: 3/5 mile
Elevation: 25 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 13 **Qtr:** SW
Meridian: M

Location: NORTH HALF OF THE BLOCK OF LAND DEFINED BY HACKMAN RD (NORTH), BUCKLEY RD (WEST), THOMSEN RD (SOUTH), AND RD 104 (EAST).
Ecological: HABITAT CONSISTS OF AGRICULTURAL FIELDS. 5/5/2003 AGRICULTURE IS STILL PRESENT, TALL GRAIN AND ALFALFA CROPS. DITCH ON THE N SIDE OF HACKMAN ROAD POTENTIAL BURROW SITE.
General: 7/2/1989 - 4 ADULTS OBSERVED HOVER-FORAGING OVER A FLOODED, LOW CROP (ALFALFA?); ONE OR MORE BURROWS PRESUMED TO BE IN THE VICINITY. 5/5/2003 NO OWLS WERE SEEN.
Owner/Manager: UNKNOWN

Occurrence No. 135 **Map Index:** 21529 **EO Index:** 19658

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1989-07-02
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.43183º / -121.71686º
UTM: Zone-10 N4254509 E611994
Radius: 1/5 mile
Elevation: 25 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 23 **Qtr:** SE
Meridian: M

Location: ALONG THE WESTERN THIRD OF THOMSEN ROAD, ON THE NORTH SIDE, APPROXIMATELY 10 MI EAST OF DIXON.
Ecological: SURROUNDING HABITAT CONSISTS OF FALLOW FIELDS AND LOW CROPS. 5/5/2003 HABITAT STILL PRESENT.
General: A SINGLE ADULT OBSERVED PERCHING ON A TELEPHONE POLE; BURROW SITE PRESUMED NEARBY. 5/5/2003- 0 BIRDS OBSERVED, PROBABLY DUE TO HIGH GREEN GRASS FROM LATE RAINS.
Owner/Manager: UNKNOWN

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 136 **Map Index:** 21530 **EO Index:** 19657

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1989-07-02
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.42421º / -121.71969º
UTM: Zone-10 N4253660 E611759
Radius: 1/5 mile
Elevation: 30 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 26 **Qtr:** NE
Meridian: M

Location: ON THE EAST SIDE OF BUCKLEY ROAD, BETWEEN MIDWAY RRAD & THOMSEN ROADS, 10 MI EAST OF DIXON.

Location Detail: OWLS UTILIZE AREA BEHIND HOUSES FOR PERCHING AND FORAGING.

Ecological: SURROUNDING HABITAT CONSISTS OF AGRICULTURAL/FALLOW FIELDS. 5/5/2003 SITE IS STILL AGRICULTURAL LAND, HOUSES ARE STILL PRESENT.

General: TWO ADULTS OBSERVED PERCHED ON FENCES; BURROW SITE PRESUMED TO BE NEARBY. 5/5/2003- 0 BIRDS OBSERVED, PROBABLY DUE TO HIGH GREEN GRASS FROM LATE RAINS HIDING BURROWS.

Owner/Manager: UNKNOWN

Occurrence No. 137 **Map Index:** 21533 **EO Index:** 5305

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Stable

Dates Last Seen
Element: 1996-07-19
Site: 1996-07-19
Record Last Updated: 1996-09-11

Quad Summary: Saxon (3812146/497B)
County Summary: Solano, Yolo

Lat/Long: 38.38743º / -121.69300º
UTM: Zone-10 N4249611 E614147
Radius: 80 meters
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 03E
Section: 06 **Qtr:** SW
Meridian: M

Location: NORTH SIDE OF ROAD 155, EAST OF WEST LEVEE ROAD, APPROXIMATELY 13 MILES SE OF DIXON.

Ecological: SURROUNDING HABITAT CONSISTS MOSTLY OF FALLOW FIELDS AND IRRIGATED PASTURELAND.

General: HISTORICAL LOCATION. 1 ADULT OBSERVED IN THE CORRAL VICINITY IN 1989. IN 1990, 3 ADULTS OBSERVED PERCHED ON FENCES NEAR BURROW; 5 YOUNG AND 2 OF UNKNOWN-AGE PERCHED AT BURROW. 2 ADULTS OBSERVED IN 1993 AND ON 19 JULY 1996.

Owner/Manager: PVT

Occurrence No. 138 **Map Index:** 21531 **EO Index:** 8351

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1996-07-23
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.42196º / -121.68992º
UTM: Zone-10 N4253446 E614361
Area: 22.4 acres
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 03E
Section: 30 **Qtr:** SW
Meridian: M

Location: EAST SIDE OF ROAD 104, BETWEEN THOMSEN ROAD AND MIDWAY ROAD, 12 MI EAST OF DIXON. 2003- POSTED WITH NO TRESPASSING.

Location Detail: OWLS INHABIT FENCELINE BETWEEN DITCH AND PASTURE. NUMEROUS BURROWS ARE FOUND IN BOTH THE NORTH AND SOUTH LEVEES OF THE IRRIGATION DITCH WHICH RUNS WEST-EAST ACROSS THE FIELD.

Ecological: HABITAT IS SHORT, DRY GRASSLAND, SURROUNDED BY DRY PASTURE AND AN AGRICULTURAL DITCH. IN 2003 HARVESTED ALFALFA AND GRAZED GRASS NEARBY.

Threat: POSSIBLE THREAT FROM ACTIVITIES RELATED TO LEVEE REPAIR. AREA IS GRAZED.

General: TWO FAMILY GROUPINGS OBSERVED (2 ADULTS, 8 JUVENILES, AND 1 UNKNOWN-AGE) ON 30 JUNE 1990. 3 BIRDS OF UNKNOWN-AGE OBSERVED ON 23 JULY 1996. 0 BIRDS OBSERVED, HIGH GREEN GRASS FROM LATE RAINS MAYBE HIDING BURROWS 5/5/2003.

Owner/Manager: PVT

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 139 **Map Index:** 21532 **EO Index:** 9969

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-06-30
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.41916º / -121.66267º
UTM: Zone-10 N4253170 E616745
Radius: 1/5 mile
Elevation: 10 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 03E
Section: 29 **Qtr:** SE
Meridian: M

Location: NORTH SIDE OF ROAD 152, EAST OF VAUGHN RANCH, 14 MI EAST OF DIXON.

Location Detail: OWLS INHABIT GRASSY DITCH ADJACENT TO SHEEP PASTURE.

Ecological: SURROUNDING LAND USE IS AGRICULTURE/GRAZING. 5/5/2003 GRASSLAND WITH POWER LINES OVER HEAD WERE OBSERVED.

General: 6/30/1990 - TWO ADULTS AND FOUR JUVENILES OBSERVED. 5/5/2003- 0 BIRDS OBSERVED, PROBABLY DUE TO HIGH GREEN GRASS FROM LATE RAINS HIDING BURROWS.

Owner/Manager: DFG

Occurrence No. 140 **Map Index:** 21527 **EO Index:** 9598

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-06-30
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.45632º / -121.71817º
UTM: Zone-10 N4257225 E611842
Radius: 1/5 mile
Elevation: 30 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 14 **Qtr:** NE
Meridian: M

Location: EAST SIDE OF BUCKLEY ROAD, JUST NORTH OF ROAD 38A (HACKMAN), APPROXIMATELY 9 MI ENE OF DIXON.

Location Detail: 6/30/1990 OWL LOCATED IN AN OVERGROWN AREA AROUND AN OLD BARN, WITH A NEARBY DITCH FULL OF RUNNING WATER. 5/5/2003 GRAIN CROPS AND TALL GRASS NEARBY, BARN APPEARS TO BE GONE, OR IS HIDDEN BEHIND THE HOUSE.

Ecological: SURROUNDING HABITAT IS AGRICULTURE.

General: 6/30/1990 ONE ADULT OBSERVED; BURROW SITE PRESUMED TO BE NEARBY. 5/5/2003 NO OWLS WERE SEEN.

Owner/Manager: UNKNOWN

Occurrence No. 141 **Map Index:** 21535 **EO Index:** 19691

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-06-30
Site: 1990-06-30
Record Last Updated: 2000-10-23

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.37869º / -121.74563º
UTM: Zone-10 N4248577 E609563
Radius: 1/5 mile
Elevation: 20 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 10 **Qtr:** SW
Meridian: M

Location: ALONG THE EAST SIDE OF SIKES ROAD, BETWEEN TREFOIL ROAD AND DELHI ROAD, 12 MI SE OF DIXON.

Location Detail: INHABITING AN AREA WITH LARGE CHUNKS OF CONCRETE AND RUSTED PIPES.

Ecological: SURROUNDING FORAGING HABITAT CONSISTS OF IRRIGATED PASTURE.

General: HISTORICAL LOCATION. ONE OWL OBSERVED ON 30 JUN 1990. ONE OWL OBSERVED ON 29 NOV 1999, BUT NO OWLS WERE PRESENT AFTER 1 FEB 2000.

Owner/Manager: PVT

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 145 **Map Index:** 23678 **EO Index:** 7322
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 1992-02-25
Site: 1992-05-07
Record Last Updated: 1993-07-15

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22334º / -121.97889º
UTM: Zone-10 N4231088 E589379
Radius: 80 meters
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01W
Section: 04 **Qtr:** NE
Meridian: M

Location: WEST SIDE OF POTRERO HILLS LANE, 0.6 MILE SE OF THE JUNCTION OF SCALLEY ROAD AND HWY 12, SE OF FAIRFIELD.
Location Detail: BURROW IS LOCATED IN A RUBBLE PILE COMPOSED OF CONCRETE BLOCKS.
Ecological: HABITAT SURROUNDING BURROW SITE CONSISTS OF ANNUAL GRASSLAND, WHICH IS DISKED FOR FIRE SUPPRESSION.
Threat: BURROW IS LOCATED IN AN EXPANSION PARCEL USED FOR ACCESS TO POTRERO HILLS LANDFILL.
General: A SINGLE BIRD WAS OBSERVED ON 15 OCT 1991 AND AGAIN ON 25 FEB 1992; BURROW APPEARED TO BE INACTIVE ON 7 MAY 1992.
Owner/Manager: PVT-SOLANO GARBAGE CO

Occurrence No. 146 **Map Index:** 23675 **EO Index:** 16767
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Decreasing

Dates Last Seen
Element: 1992-01-07
Site: 1992-01-07
Record Last Updated: 1993-09-08

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.37066º / -121.80154º
UTM: Zone-10 N4247621 E604691
Radius: 1/5 mile
Elevation: 30 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 06N
Range: 02E
Section: 18 **Qtr:** NW
Meridian: M

Location: EAST SIDE OF PEDRICK ROAD, 1.3 MILES NORTH OF BINGHAMTON ROAD, 5 MILES SSE OF DIXON.
Ecological: HABITAT CONSISTS OF ANNUAL GRASSLAND INTERSECTED BY SEVERAL SHALLOW, INTERMITTENT DRAINAGE COURSES. SURROUNDING HABITAT CONSISTS OF IRRIGATED CROPLAND AND PASTURELAND.
Threat: POSSIBLE THREAT FROM OIL/GAS EXPLORATION AND DEVELOPMENT.
General: ON FIRST VISIT TO THIS SITE ON 7 SEP 1989, 12 OWLS WERE PRESENT. 3 INDIVIDUALS OBSERVED AT BURROW SITE IN 1992.
Owner/Manager: UNKNOWN

Occurrence No. 147 **Map Index:** 23674 **EO Index:** 16752
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-05-18
Site: 2003-05-05
Record Last Updated: 2003-08-22

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.47834º / -121.94776º
UTM: Zone-10 N4259414 E591781
Radius: 80 meters
Elevation: 110 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01W
Section: 02 **Qtr:** S
Meridian: M

Location: WEST OF I-505, 2 MILES NORTH OF SWEANY CREEK, EAST OF THE ENGLISH HILLS.
Location Detail: BURROW IS LOCATED IN THE NORTH BANK OF A CREEK DRAINAGE LOCATED ON RANCH LAND. BURROW MAY BE OUT OF SIGHT FROM ROAD.
General: 18 MAR 1992: SINGLE OWL FLUSHED FROM BURROW, WHERE CASTINGS & OTHER OWL SIGN (FEATHERS, DROPPINGS, DEAD INSECT PARTS) WAS OBSERVED. RETURN VISIT (18 MAY 1992): 2 ADULTS AT BURROW ENTRANCE. OWLS NOT OBS ON 5 MAY 2003 (BURROW OUT OF SIGHT?).
Owner/Manager: PVT?

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

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

Habitat Associations

General: OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No. 172 **Map Index:** 23879 **EO Index:** 16116

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1989-07-01
Site: 1989-07-01
Record Last Updated: 1993-07-28

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.40178º / -121.88228º
UTM: Zone-10 N4250986 E597596
Radius: 1/5 mile
Elevation: 65 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 05 **Qtr:** NE
Meridian: M

Location: SOUTH SIDE OF WEBER ROAD, 0.8 MILES EAST OF LEWIS ROAD, 6.5 MILES NE OF VACAVILLE.

Ecological: HABITAT CONSISTS OF ANNUAL GRASSLAND, DOMINATED BY WILD OATS.

General: ONE ADULT OBSERVED.

Owner/Manager: UNKNOWN

Occurrence No. 173 **Map Index:** 23878 **EO Index:** 7349

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-06-30
Site: 1990-06-30
Record Last Updated: 2000-10-26

Quad Summary: Liberty Island (3812136/497C)
County Summary: Solano

Lat/Long: 38.35874º / -121.74585º
UTM: Zone-10 N4246363 E609574
Radius: 1/10 mile
Elevation: 15 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 15 **Qtr:** SW
Meridian: M

Location: NORTH SIDE OF SWAN ROAD, 1.3 MILES WEST OF WINSHIP ROAD, WEST OF THE YOLO BYPASS.

Location Detail: BURROWS ARE LOCATED IN A GRAVEL PILE IN THE VICINITY OF NATURAL GAS TANKS.

Ecological: SURROUNDING FORAGING HABITAT CONSISTS OF SHEEP AND CATTLE PASTURE.

General: BURROW WITH LOTS OF WHITEWASH AND 2 ADULT OWLS OBSERVED.

Owner/Manager: UNKNOWN

Occurrence No. 174 **Map Index:** 24512 **EO Index:** 6652

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-06-30
Site: 1990-06-30
Record Last Updated: 1993-07-29

Quad Summary: Saxon (3812146/497B), Liberty Island (3812136/497C)
County Summary: Solano, Yolo

Lat/Long: 38.37670º / -121.69457º
UTM: Zone-10 N4248418 E614026
Radius: 1/5 mile
Elevation: 15 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 12 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF WEST LEVEE ROAD, 0.3 MILE NORTH OF DELHI ROAD, WEST OF THE YOLO BYPASS.

Location Detail: SEVERAL BURROWS LOCATED IN THE WEST SLOPE OF THE LEVEE ROAD.

General: SEVERAL BURROWS, ONE WITH PELLETS, AN OWL WING, NESTING MATERIAL, AND SMALL MAMMAL BONES OUT FRONT, AND ONE ADULT OWL OBSERVED.

Owner/Manager: UNKNOWN

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 175 **Map Index:** 24511 **EO Index:** 6655
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-06-30
Site: 2003-05-05
Record Last Updated: 2003-05-09

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.38595º / -121.72879º
UTM: Zone-10 N4249403 E611023
Radius: 1/5 mile
Elevation: 20 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 06N
Range: 02E
Section: 11 **Qtr:** NW
Meridian: M

Location: NW OF THE NORTHERN PACIFIC RAILROAD TRACKS, ABOUT 0.35 MI NE OF ETZEL ROAD AND RR INTERSECTION, 15 MILES S OF DAVIS.

Location Detail: BURROWS WERE LOCATED ON A SMALL LEVEE BANK, ON THE WEST SIDE OF THE ROW OF TRANSMISSION LINES.

General: APPROXIMATELY 10 INDIVIDUALS OBSERVED, CONSISTING OF AT LEAST 2 FAMILY GROUPS, DURING A 1990 SURVEY. 5/5/2000 HABITAT APPEARS INTACT, HIGH GREEN GRASS DUE TO LATE RAINS MAY HAVE HIDDEN BURROWS.

Owner/Manager: UNKNOWN

Occurrence No. 177 **Map Index:** 24514 **EO Index:** 6657
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-08-09
Site: 2003-05-05
Record Last Updated: 2008-03-03

Quad Summary: Saxon (3812146/497B), Davis (3812156/513C)
County Summary: Yolo, Solano

Lat/Long: 38.49418º / -121.68648º
UTM: Zone-10 N4261465 E614547
Area:
Elevation: 25 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 08N
Range: 03E
Section: 31 **Qtr:** XX
Meridian: M

Location: GLOBAL COMMUNICATIONS STATION, AT THE N END OF RD 105 & RD 36, 6.5 MI S OF DAVIS. YOLO REGIONAL GRASSLANDS PRK ON WEST.

Location Detail: BURROWS SPREAD THROUGHOUT THE ONE SQUARE MILE COMMUNICATIONS FACILITY. WESTERN ACCESS IS OFF MACE RD. - YOLO REGIONAL GRASSLANDS PARK, SACRAMENTO VALLEY SOARING SOCIETY (SVSS) PARKING AREA.

Ecological: HABITAT CONSISTS OF DISTURBED ANNUAL GRASSLAND WITH VERNAL POOLS. OTHER SENSITIVE TAXA: TUCTORIA MUCRONATA & NEOSTAPFIA COLUSANA. 2003: SITE IS SIGNED AS "FEDERALLY PROTECTED HABITAT AREA". GRASS WAS HIGH WITH NO SIGN OF DISKING. AG TO EAST

Threat: 1993: THREATENED BY DISKING ACTIVITIES (FIREBREAK) & PESTICIDE APPLICATION TO CLEAR ANTENNA PADS.

General: AT LEAST 4 FAMILY GROUPINGS OBS IN 1989, MOSTLY ALONG THE ENTRY ROAD. 1990: 3 GROUPS; 3 ADULTS & 6 JUV OBS, W SIDE OF ENTRY RD. 1993, SEVERAL BURROWS & OWLS OBS. 2003: 0 BIRDS AT SE ENTRANCE RD. 2-PRS SEEN AT BURROWS, E OF SVSS- PARKING.

Owner/Manager: DOD-MCCLELLAN AFB

Occurrence No. 178 **Map Index:** 24513 **EO Index:** 6656
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-06-30
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.47654º / -121.65226º
UTM: Zone-10 N4259550 E617560
Radius: 2/5 mile
Elevation: 20 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 07N
Range: 03E
Section: 04 **Qtr:** SW
Meridian: M

Location: EAST SIDE OF ROAD 106, 0.75 MI N OF GLIDE TULE RANCH, 9 MILES SOUTH OF DAVIS. ACCESS ROAD, SIGN TO HOSSELKUS & KEARNY.

Location Detail: BURROWS LOCATED WHERE THE MARSH CROSSES THE ROAD, SOUTH OF THE BARN. 5/5/2003 MARSH ON THE EAST SIDE OF THE ROAD NOT VISIBLE.

Ecological: HABITAT CONSISTS OF SHORT, DRY GRASSLAND/PASTURE. 5/5/2003 SURROUNDING AREA IS GRAIN FIELD (ABOUT 2 FEET TALL) AND ALFALFA TO THE SOUTH.

Threat: A GRAIN FIELD IN 2003.

General: 22 INDIVIDUALS OBSERVED, AT LEAST 10 OF WHICH WERE YOUNG, IN 4 FAMILY GROUPINGS. 5/5/2003- 0 BIRDS OBSERVED, PROBABLY DUE TO

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

HIGH GREEN GRASS FROM LATE RAINS.
Owner/Manager: UNKNOWN

Occurrence No. 179 **Map Index:** 24515 **EO Index:** 6653
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-06-30
Site: 1990-06-30
Record Last Updated: 1993-12-27

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.38763º / -121.6875º
UTM: Zone-10 N4249640 E614627
Radius: 1/5 mile
Elevation: 15 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 06N
Range: 03E
Section: 06 **Qtr:** SW
Meridian: M

Location: NORTH SIDE OF ROAD 155, 0.9 MILE EAST OF WEST LEVEE ROAD, 13 MILES SE OF DIXON.
Location Detail: OWLS PERCHED ON FENCEPOSTS IN THE VICINITY OF THE BURROW.
Ecological: HABITAT SURROUNDING BURROW CONSISTS OF FALLOW FIELDS, ADJACENT TO A WATER-FILLED DITCH.
General: IN 1990, 2 ADULTS AND 4 JUVENILES WERE OBSERVED.
Owner/Manager: UNKNOWN

Occurrence No. 219 **Map Index:** 30605 **EO Index:** 4370
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-11-20
Site: 1994-11-20
Record Last Updated: 1994-12-06

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.45119º / -121.82087º
UTM: Zone-10 N4256536 E602888
Radius: 1/5 mile
Elevation: 55 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01E
Section: 13 **Qtr:** SW
Meridian: M

Location: EAST OF THE INTERSECTION OF HWY 113 AND "H" STREET, DIXON.
Location Detail: BURROW SITE IS LOCATED 400 FEET EAST OF THE INTERSECTION.
Ecological: HABITAT CONSISTS OF A LARGE VACANT LOT WITH PILES OF CONCRETE RUBBLE; LOT IS CHARACTERIZED BY FALLOW FIELDS WITH RUDERAL VEGETATION, SURROUNDED BY DEVELOPMENT.
General: 1 ADULT OBSERVED ON 19 AND 20 NOVEMBER 1994; WINTERING SITE.
Owner/Manager: UNKNOWN

Occurrence No. 227 **Map Index:** 32019 **EO Index:** 3789
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-07-12
Site: 2004-07-29
Record Last Updated: 2004-11-10

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.45646º / -121.94343º
UTM: Zone-10 N4256990 E592187
Radius: 80 meters
Elevation: 115 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01W
Section: 14 **Qtr:** NW
Meridian: M

Location: WEST SIDE OF WINTERS ROAD, ~5.5 MILES SOUTH OF WINTERS.
Location Detail: OWLS WERE OBSERVED PERCHED ON STEEL FENCE POSTS ON THE WEST SIDE OF WINTERS ROAD; BURROWS WERE LOCATED ON TOP OF THE EAST BANK OF A CANAL PARALLELING THE FENCE LINE.
Ecological: HABITAT CONSISTS OF LOW-GROWING ANNUAL GRASSLAND, WHICH TURNS BROWN DURING THE SUMMER; SURROUNDING AREA IS MADE UP OF IRRIGATED PASTURE AND ROW CROPS AND RANCHETTES.
General: 4 BURROWING OWLS OBSERVED ON 12 JULY 1994. ALTHOUGH HABITAT APPEARED EXTANT, OWLS WERE NOT OBSERVED ON 5 MAY 2003 OR 29 JUL 2004.
Owner/Manager: UNKNOWN

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status

Federal: None
State: None

NDDB Element Ranks

Global: G4
State: S2

Other Lists

CDFG Status: SC

Habitat Associations

General: OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No. 228 **Map Index:** 32020 **EO Index:** 4406

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen

Element: 2005-09-03
Site: 2005-09-03

Record Last Updated: 2005-10-18

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.45378º / -121.95303º
UTM: Zone-10 N4256684 E591352
Radius: 80 meters
Elevation: 115 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 07N
Range: 01W
Section: 15 **Qtr:** NE
Meridian: M

Location: NORTH SIDE OF ALLENDALE ROAD, JUST EAST OF THE PUTAH SOUTH CANAL INTERSECTION, WEST OF I-505, 6 MILES SOUTH OF WINTERS

Location Detail: 1 OWL OBSERVED PERCHED ON A STEEL FENCE LINE ON THE NORTH SIDE OF A CEMENT-LINED CANAL WHICH PARALLELS ALLENDALE ROAD, ~0.15 EAST OF PUTAH SOUTH CANAL. BURROW IS LOCATED WITHIN THE FENCED CANAL AREA.

Ecological: HABITAT CONSISTS OF LOW-GROWING ANNUAL GRASSLAND, WHICH DRIES OUT DURING THE SUMMER; SURROUNDING AREA IS DEVELOPED WITH VARIOUS-SIZED RANCHETTES (1-20 ACRES) TO THE SOUTH AND GRAZING LANDS (SHEEP) TO THE NORTH.

Threat: POSSIBLY THREATENED BY ROAD/CANAL MAINTENANCE.

General: 1 OWL OBSERVED ON 12 JULY 1994. NO OWLS OBSERVED ON 5 MAY 2003 - SITE VISIT LIKELY TOO EARLY. 1 OWL OBSERVED AT THE BURROW ENTRANCE ON 4 JUL 2004. 2 OBSERVED AT BURROW ON 29 JUL 2004. 4 OWLS (1 AD, 3 JUV) OBSERVED ON 3 SEP 2005.

Owner/Manager: UNKNOWN

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 235 **Map Index:** 33488 **EO Index:** 17229
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1996-07-23
Site: 1996-07-23
Record Last Updated: 1996-09-11

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.38658º / -121.77620º
UTM: Zone-10 N4249417 E606881
Radius: 80 meters
Elevation: 25 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 02E
Section: 08 **Qtr:** NE
Meridian: M

Location: JUST SOUTH OF RADIO STATION ROAD AND WEST OF THE ROAD TO THE OLD RADIO STATION HEADQUARTERS AREA, 4 MILES SE OF DIXON.
Location Detail: BURROWS ARE LOCATED INSIDE A CYCLONE-FENCED AREA THAT SERVES AS AN ELECTRICAL SUBSTATION FOR THE ANTENNA FIELDS IN THE AREA.
Ecological: SITE IS SURROUNDED BY IRRIGATED AGRICULTURE.
General: 2 ADULTS OBSERVED AT THE BURROW SITE ON 23 JULY 1996.
Owner/Manager: DOD-NAVY

Occurrence No. 236 **Map Index:** 33489 **EO Index:** 8461
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1996-07-23
Site: 1996-07-23
Record Last Updated: 1996-09-11

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.38795º / -121.77892º
UTM: Zone-10 N4249566 E606641
Radius: 80 meters
Elevation: 34 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 02E
Section: 05 **Qtr:** SW
Meridian: M

Location: JUST NORTH OF RADIO STATION ROAD AND 0.4 MILE EAST OF ROBBEN ROAD, 4 MILES SSE OF DIXON.
Location Detail: BURROWS ARE IN A DIRT AND GRAVEL MOUND LOCATED IN THE NW CORNER OF A GAS WELL PAD.
Ecological: SITE IS SURROUNDED BY IRRIGATED AGRICULTURE (CROP TYPE CHANGES YEARLY).
Threat: POSSIBLE THREAT FROM REMOVAL OF OLD GAS WELL TO RETURN THE AREA TO AGRICULTURAL USE.
General: 2 ADULTS AND 2 JUVENILES OBSERVED ON 23 JULY 1996.
Owner/Manager: PVT

Occurrence No. 237 **Map Index:** 33490 **EO Index:** 25048
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1996-07-19
Site: 1996-07-19
Record Last Updated: 1996-09-11

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.46822º / -121.80294º
UTM: Zone-10 N4258445 E604428
Radius: 80 meters
Elevation: 55 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 02E
Section: 07 **Qtr:** NW
Meridian: M

Location: JUST EAST OF PEDRICK ROAD AND NORTH OF VAUGHN ROAD, 1 MILE NE OF DIXON.
Location Detail: BURROWS ARE LOCATED IN OR ADJACENT TO A CYCLONE-FENCED AREA THAT CONTAINS 3 GRAIN STORAGE BINS.
Ecological: SITE IS CLEARED OF "WEEDS" ABOUT ONCE A YEAR; IRRIGATED CROPLANDS ARE ADJACENT TO THE NORTH AND EAST AND A RAILROAD SPUR FOR LOADING SUGAR BEETS IS ADJACENT TO THE WEST.
General: 1 ADULT AND 2 JUVENILES WERE OBSERVED ON 19 JULY 1996; HOWEVER, OWLS HAVE INHABITED THIS SITE YEAR-ROUND FOR AT LEAST THE PAST TWO YEARS.
Owner/Manager: PVT

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 238 **Map Index:** 33491 **EO Index:** 24226
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1996-07-23
Site: 1996-07-23
Record Last Updated: 1996-09-11

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.48977º / -121.80093º
UTM: Zone-10 N4260839 E604573
Area: 12.1 acres
Elevation: 60 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 08N
Range: 02E
Section: 31 **Qtr:** SW
Meridian: M

Location: JUST SOUTH OF SPAULDING ROAD, 0.2 MILE EAST OF PEDRICK ROAD, 2.5 MILES NNE OF DIXON.

Location Detail: BURROWS ARE LOCATED ALONG A CYCLONE FENCE THAT DELINEATES THE SOUTHERN BOUNDARY OF THE CALTRANS MAINTENANCE STATION AND THE TRUCKING YARD ADJACENT TO CALTRANS ON THE EAST.

Ecological: SITE IS SURROUNDED BY IRRIGATED AGRICULTURE TO THE SOUTH AND SOUTHWEST.

Threat: POSSIBLE THREAT FROM COMMERCIAL DEVELOPMENT OF THE AREA SOUTH OF THE CALTRANS YARD.

General: 2 ADULTS AND 2 UNKNOWN-AGE OWLS OBSERVED ON 23 JULY 1996.

Owner/Manager: CALTRANS

Occurrence No. 239 **Map Index:** 33492 **EO Index:** 8347
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1996-07-19
Site: 1996-07-19
Record Last Updated: 1996-09-11

Quad Summary: Liberty Island (3812136/497C)
County Summary: Solano

Lat/Long: 38.37309º / -121.72563º
UTM: Zone-10 N4247980 E611319
Area: 30.3 acres
Elevation: 15 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 06N
Range: 02E
Section: 11 **Qtr:** SW
Meridian: M

Location: JUST NORTH OF DELHI ROAD, BETWEEN ETZEL ROAD AND WINSHIP ROAD, 2 MILES SE OF LIBFARM.

Ecological: LAND USE ON BOTH SIDES OF DELHI ROAD CONSISTS OF IRRIGATED PASTURELAND, PREDOMINANTLY GRASSES.

Threat: POSSIBLE THREAT FROM DITCH REPAIR/CLEANOUT.

General: 2 PAIRS OF ADULTS, ONE WITH 4 JUVNENILES, WERE OBERVED ON 19 JULY 1996.

Owner/Manager: PVT

Occurrence No. 240 **Map Index:** 33493 **EO Index:** 8346
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-XX
Site: 2004-05-XX
Record Last Updated: 2004-11-29

Quad Summary: Liberty Island (3812136/497C), Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.37727º / -121.73441º
UTM: Zone-10 N4248433 E610545
Area:
Elevation: 15 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 06N
Range: 02E
Section: 10 **Qtr:** SE
Meridian: M

Location: OLD RAILROAD GRADE, BETWEEN ETZEL ROAD AND DELHI ROAD, 2 MILES SE OF LIBFARM

Location Detail: BURROWS ARE LOCATED IN THE EAST AND WEST LEVEES (BANKS) OF A LARGE CANAL WHICH TRAVERSES SW-NE FROM DELHI ROAD; OCCUPIED BURROWS BEGIN ABOUT 300 FEET NORTH OF DELHI ROAD, EXTENDING TO AT LEAST 1000 FEET NORTH OF DELHI ROAD.

Ecological: HABITAT CONSISTS OF A CANAL BANK SURROUNDED BY PASTURELAND TO THE SW (ACROSS DELHI ROAD) AND IRRIGATED CROPLAND TO THE WEST AND SE. 5/5/2003 HABITAT APPEARS AS DESCRIBED.

Threat: POSSIBLE THREAT FROM LEVEE MAINTENANCE.

General: 5 ADULTS AND 8 JUVENILES OBSERVED ON 23 JULY 1996. AT LEAST ONE ADULT OWL FLUSHED FROM BURROWS ON 20 FEB 2002 AND AGAIN ON 7 MAY 2002. 5 MAY 2003, NO OWLS WERE SEEN. 6 ACTIVE BURROWS OBSERVED DURING MAY 2004.

Owner/Manager: PVT

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

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

Habitat Associations

General: OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No. 241 **Map Index:** 33494 **EO Index:** 5306

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1996-07-19
Site: 1996-07-19
Record Last Updated: 1996-09-12

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.38286º / -121.71286º
UTM: Zone-10 N4249079 E612419
Area: 17.7 acres
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 06N
Range: 02E
Section: 11 **Qtr:** NE
Meridian: M

Location: WEST SIDE OF LIBERTY ISLAND ROAD, 1.3 MILES SOUTH OF KING ROAD, 11 MILES EAST OF DIXON.

Location Detail: BURROWS ARE LOCATED IN THE WEST BANK OF A DITCH THAT PARALLELS LIBERTY ISLAND ROAD.

Ecological: SURROUNDING HABITAT CONSISTS OF IRRIGATED PASTURELANDS.

General: 2 ADULTS OBSERVED ON 19 JULY 1996.

Owner/Manager: PVT

Occurrence No. 242 **Map Index:** 33495 **EO Index:** 25508

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1996-07-19
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.44332º / -121.72058º
UTM: Zone-10 N4255779 E611652
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 23 **Qtr:** NE
Meridian: M

Location: JUST EAST OF BULKLEY ROAD, 0.6 MILE SOUTH OF HACKMAN ROAD, 9 MILES EAST OF DIXON.

Location Detail: BURROW SITE IS LOCATED 200 FEET EAST OF BULKLEY ROAD, ALONG THE SOUTH EDGE OF AN IRRIGATION DITCH. 5/5/2003 BROKEN CONCRETE RUBBLE PRESENT NEAR THE CULVERT, POSSIBLE BURROW AREAS.

Ecological: SURROUNDING LAND USE IS PRIMARILY IRRIGATED AGRICULTURE.

Threat: POSSIBLE THREAT FROM ACTIVITIES RELATED TO DITCH EROSION REPAIR.

General: 4 OWLS OF UNKNOWN-AGE OBSERVED ON 19 JULY 1996. 5/5/2003 NO OWLS WERE SEEN.

Owner/Manager: PVT

Occurrence No. 243 **Map Index:** 33496 **EO Index:** 8350

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1996-07-23
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Solano, Yolo

Lat/Long: 38.44083º / -121.69427º
UTM: Zone-10 N4255535 E613952
Area: 31.0 acres
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 02E
Section: 24 **Qtr:** NE
Meridian: M

Location: JUST WEST OF COUNTY ROAD 104, 0.6 MILE SOUTH OF HACKMAN ROAD, 10.5 MILES EAST OF DIXON.

Location Detail: BURROW SITE IS LOCATED ALONG THE WEST BANK OF A DITCH THAT RUNS PARALLEL TO COUNTY ROAD 104; ONE ACTIVE BURROW IS LOCATED ADJACENT TO THE NE CORNER OF A CORRAL. 5/5/2003- HABITAT APPEARED THE SAME, CORRAL STILL PRESENT

Ecological: SURROUNDING HABITAT CONSISTS OF IRRIGATED PASTURE/AGRICULTURE.

Threat: POSSIBLE THREAT FROM ACTIVITIES RELATED TO DITCH REPAIR WORK. CORRAL PRESENT.

General: 3 ADULTS AND 2 JUVENILES OBSERVED ON 23 JULY 1996. 5/5/2003- 0 BIRDS OBSERVED, HIGH GREEN GRASS DUE TO LATE RAINS MAYBE HIDING BURROWS.

Owner/Manager: PVT

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 272 **Map Index:** 39425 **EO Index:** 34427
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 2002-06-08
Site: 2004-07-29
Record Last Updated: 2004-11-09

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.39343º / -121.94531º
UTM: Zone-10 N4249994 E592103
Area:
Elevation: 95 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 06N
Range: 01W
Section: 02 **Qtr:** XX
Meridian: M

Location: NORTH SIDE OF VACA VALLEY PARKWAY, APPROXIMATELY 100 YDS WEST OF THE INTERSECTION WITH ACKERLY DRIVE, NORTH OF VACAVILLE

Location Detail: BURROWS ARE LOCATED BENEATH ROWS OF PLANTED TREES ADJACENT TO THE ROADWAYS.

Ecological: HABITAT SURROUNDING BURROWS CONSISTS OF DISTURBED, NON-NATIVE GRASSLAND. GROUND HAS BEEN PLOWED TO WITHIN FEET OF TREES. AREA IS FUTURE SITE OF DEVELOPMENT.

Threat: POSSIBLE THREATS INCLUDE PARKWAY WIDENING AND DEVELOPMENT.

General: 2 ADULTS AND 4 JUVENILES OBSERVED ON 22 JUNE 1998. 2 ADULTS OBSERVED ABOUT 400 FT NORTH OF VACA VALLEY PARKWAY ON 8 JUN 2002. SPECIES NOT OBSERVED ON 29 JUL 2004.

Owner/Manager: UNKNOWN

Occurrence No. 361 **Map Index:** 43203 **EO Index:** 43203
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-06-18
Site: 2000-06-18
Record Last Updated: 2000-07-12

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.41243º / -121.94462º
UTM: Zone-10 N4252104 E592139
Radius: 80 meters
Elevation: 110 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01W
Section: 35 **Qtr:** NW
Meridian: M

Location: NE OF THE INTERSECTION OF I-505 AND GIBSON CANYON CREEK (NORTH FORK), 2 MILES WEST OF VACA VALLEY RACEWAY.

Location Detail: BURROWS ARE LOCATED AT THE TOP OF THE BANK OF AN INCISED CHANNEL.

Ecological: BURROWS ARE SURROUNDED BY GRAZED NON-NATIVE GRASSLAND, WITH NUMEROUS GROUND SQUIRRELS IN THE VICINITY.

Threat: THREATS INCLUDE DEVELOPMENT AND EROSION OF CREEK CHANNEL (CAUSING BURROW COLLAPSE).

General: SITE HAS BEEN ACTIVE SINCE AT LEAST 1997, WITH 1-2 PAIRS PRESENT. 2 PAIRS OBSERVED, ONE WITH 2 YOUNG, ON 18 JUN 2000.

Owner/Manager: PVT

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 369 **Map Index:** 43953 **EO Index:** 43953
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-04-28
Site: 2000-04-28
Record Last Updated: 2000-10-03

Quad Summary: Rio Vista (3812126/480B)
County Summary: Solano

Lat/Long: 38.17784º / -121.74166º
UTM: Zone-10 N4226295 E610213
Area: 11.0 acres
Elevation: 90 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02E
Section: 22 **Qtr:** XX
Meridian: M

Location: AZEVEDO ROAD, 0.9 MILE SOUTH OF THE CARTWRIGHT ROAD JUNCTION, NW OF RIO VISTA.

Location Detail: 5+ BURROWS LOCATED ALONG BOTH SIDES (MOST ACTIVITY FOUND ON THE EAST SIDE) OF AZEVEDO ROAD, AT LEAST SEVERAL OF WHICH SHOWED SIGNS OF OWL USE.

Ecological: HABITAT SURROUNDING BURROWS CONSISTS OF RUDERAL GRASS AND FORBS.

General: 1 ADULT OBSERVED ON 28 APR 2000 AT THE BURROW SITE; LATER, SAME OWL (PRESUMABLY) FOUND DEAD ON THE ROAD.

Owner/Manager: SOL COUNTY

Occurrence No. 370 **Map Index:** 43955 **EO Index:** 43955
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-05-20
Site: 2000-05-20
Record Last Updated: 2000-10-03

Quad Summary: Rio Vista (3812126/480B)
County Summary: Solano

Lat/Long: 38.16119º / -121.74842º
UTM: Zone-10 N4224439 E609646
Radius: 80 meters
Elevation: 100 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02E
Section: 27 **Qtr:** SW
Meridian: M

Location: ALONG EMIGH ROAD, 0.35 MILE WEST OF THE AZEVEDO ROAD JUNCTION, WEST OF RIO VISTA

Location Detail: OWL OBSERVED OCCUPYING A BURROW SOUTH OF THE ROAD, JUST OVER THE FENCE LINE, ON THE MARGINS OF A GRAIN FARM.

Ecological: HABITAT CONSISTS OF A SOUTH-FACING BURROW ON THE SOUTH SIDE OF THE ROAD AND A SECOND, LESS-USED BURROW ON THE NORTH SIDE OF THE ROAD.

General: 1 ADULT FIRST OBSERVED ON 21 JAN 2000 AT THE SOUTH BURROW.

Owner/Manager: PVT

Occurrence No. 371 **Map Index:** 43958 **EO Index:** 43958
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-02-XX
Site: 2000-02-XX
Record Last Updated: 2000-10-03

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.16018º / -121.75251º
UTM: Zone-10 N4224322 E609289
Radius: 80 meters
Elevation: 140 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02E
Section: 28 **Qtr:** SE
Meridian: M

Location: SOUTH SIDE OF EMIGH ROAD, 1.4 MILES EAST OF THE ANDERSON ROAD JUNCTION, WEST OF RIO VISTA

Ecological: HABITAT CONSISTS OF A MAMMAL BURROW IN THE ROADCUT OF EMIGH ROAD; BURROW FACES NORTH, ON THE SOUTH SIDE OF THE ROAD, ABOUT 6-7 FEET UP THE ROAD CUT. SURROUNDING LAND USE IS GRAIN CROPS.

General: 1 ADULT OBSERVED NUMEROUS TIMES BETWEEN 2 DEC 1999 THROUGH FEB 2000.

Owner/Manager: SOL COUNTY

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 372 **Map Index:** 43961 **EO Index:** 43961
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-01-03
Site: 2000-01-24
Record Last Updated: 2000-10-03

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.13728º / -121.75496º
UTM: Zone-10 N4221779 E609109
Area:
Elevation: 80 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 03N
Range: 02E
Section: 04 **Qtr:** NE
Meridian: M

Location: ALONG ANDERSON ROAD, 0.25-0.50 MILE NW OF THE MONTEZUMA HILLS ROAD JUNCTION, SW OF RIO VISTA.
Location Detail: MOST OF THE BURROWS WERE LOCATED IN THE UPHILL SIDE OF THE ROAD CUT FOR MONTEZUMA HILLS ROAD.
Ecological: HABITAT CONSISTS OF A MAMMAL BURROWS IN THE ROAD CUT OF ANDERSON ROAD. SURROUND LAND IS PASTURE AND GRAIN FARMS.
Threat: THREATENED BY DOMESTIC CATS.
General: 3 ADULT OWLS OBSERVED AT 3 ADJACENT BURROWS ON 8 DEC 1999. 1 ADULT OWL OBSERVED AT A FOURTH BURROW ON 3 JAN 2000; THIS BURROW WAS FLOODED ON 24 JAN 2000.
Owner/Manager: PVT, SOL COUNTY

Occurrence No. 373 **Map Index:** 43971 **EO Index:** 43971
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-04-XX
Site: 2000-04-XX
Record Last Updated: 2000-10-04

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.21953º / -121.76010º
UTM: Zone-10 N4230899 E608536
Radius: 80 meters
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 04N
Range: 02E
Section: 04 **Qtr:** SW
Meridian: M

Location: SW CORNER OF A 90-DEGREE TURN IN ROBINSON ROAD, 0.5 MILE NORTH OF FLANNERY ROAD, NW OF RIO VISTA.
Location Detail: BURROW IS LOCATED IN THE BOTTOM OF A ROADSIDE DITCH.
Ecological: HABITAT CONSISTS OF A ROADSIDE DITCH WITH BROKEN CONCRETE.
Threat: THREATENED BY DOMESTIC CATS AND FLOODING.
General: 1 ADULT OBSERVED ON MULTIPLE VISITS BETWEEN NOV 1999-APR 2000.
Owner/Manager: SOL COUNTY

Occurrence No. 374 **Map Index:** 43973 **EO Index:** 43973
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-05-20
Site: 2000-05-20
Record Last Updated: 2000-10-04

Quad Summary: Antioch North (3812117/481D), Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.12518º / -121.76441º
UTM: Zone-10 N4220425 E608298
Radius: 80 meters
Elevation: 200 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 03N
Range: 02E
Section: 09 **Qtr:** NW
Meridian: M

Location: ALONG MONTEZUMA HILLS ROAD, 1 MILE SW OF THE ANDERSON ROAD JUNCTION, SW OF RIO VISTA
Location Detail: BURROW ABOUT 15 FT UP ON TOP OF ROADCUT, NEAR FENCE ON SOUTH SIDE OF ROAD.
Ecological: HABITAT CONSISTS OF A NUMBER OF BURROWS IN THE ROADCUT ON THE PASS OF MONTEZUMA HILLS ROAD.
General: 1 ADULT FIRST OBSERVED IN A BURROW ON 13 JAN 2000.
Owner/Manager: SOL COUNTY

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 375 **Map Index:** 43974 **EO Index:** 43974
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-07
Site: 2002-02-07
Record Last Updated: 2002-06-19

Quad Summary: Liberty Island (3812136/497C), Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35974º / -121.74964º
UTM: Zone-10 N4246470 E609241
Area: 20.8 acres
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 06N
Range: 02E
Section: 16 **Qtr:** SW
Meridian: M

Location: EAST SIDE OF SIKES ROAD, JUST NORTH OF SWAN ROAD, AND SW OF SIKES ROAD ALONG THE RR GRADE, NNE OF DOZIER

Ecological: HABITAT CONSISTS OF CONCRETE IRRIGATION PIPES USED AS BURROWS; SURROUNDED BY IRRIGATED PASTURE AND GRASSLAND USED FOR GRAZING GOATS.

Threat: THREATENED BY SEASONAL FLOODING, OVER-GRAZING, AND DOMESTIC CATS.

General: A SINGLE OWL WAS OBSERVED USING TWO DIFFERENT PIPES ON 29 NOV 1999; DITCH WAS FLOODED OUT BY 1 FEB 2000. AT LEAST ONE OWL OBSERVED USING A RUSTY PIPE AS A BURROW ON 7 FEB 2002.

Owner/Manager: PVT

Occurrence No. 376 **Map Index:** 43979 **EO Index:** 43979
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-02-01
Site: 2000-02-01
Record Last Updated: 2000-10-04

Quad Summary: Liberty Island (3812136/497C)
County Summary: Solano

Lat/Long: 38.37342º / -121.74926º
UTM: Zone-10 N4247988 E609254
Radius: 80 meters
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 10 **Qtr:** SW
Meridian: M

Location: EAST SIDE OF SIKES ROAD, 7 MILES SE OF DIXON.

Ecological: HABITAT CONSISTS OF SEVERAL CONCRETE IRRIGATION PIPES IN AN IRRIGATION DITCH; SURROUNDED BY IRRIGATED PASTURE.

Threat: THREATENED BY USE OF IRRIGATION DITCH/FLOODING.

General: 1 OWL OBSERVED AT BURROW ON 29 NOV 1999. POSSIBLY A WINTERING SITE; OWL NOT OBSERVED AFTER 1 FEB 2000.

Owner/Manager: PVT

Occurrence No. 377 **Map Index:** 43985 **EO Index:** 43985
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-05-20
Site: 2000-05-20
Record Last Updated: 2000-10-10

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.30605º / -121.78778º
UTM: Zone-10 N4240468 E605987
Radius: 80 meters
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02E
Section: 06 **Qtr:** SE
Meridian: M

Location: NORTH OF ULATIS CREEK, 1.6 MILES SOUTH OF MAINE PRAIRIE SCHOOL, 16 MILES NORTH OF RIO VISTA

Ecological: HABITAT CONSISTS OF A BURROW IN A LOW, CLEARED MOUND IN A SHEEP PATURE; OTHER MOUNDS WITH BURROWS IN THE VICINITY APPEARED TO BE INACTIVE.

Threat: THREATENED BY CLEARING, PLOWING, OR BURNING.

General: 1 OWL FIRST OBSERVED USING THIS BURROW SITE ON 3 FEB 2000.

Owner/Manager: PVT

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 378 **Map Index:** 44008 **EO Index:** 44008
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-05-20
Site: 2000-05-20
Record Last Updated: 2000-10-11

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29296º / -121.79569º
UTM: Zone-10 N4239006 E605314
Radius: 80 meters
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02E
Section: 07 **Qtr:** NE
Meridian: M

Location: EAST SIDE OF SALEM ROAD, SOUTH OF ULATIS CREEK, 2.5 MILES SOUTH OF MAINE PRAIRIE SCHOOL, NORTH OF RIO VISTA
Location Detail: BURROW IS LOCATED IN A PILE OF BROKEN CONCRETE, ABOUT 50 FEET EAST OF SALEM ROAD.
Ecological: HABITAT CONSISTS OF AN ACTIVE BURROW IN A PILE OF BROKEN CONCRETE, SURROUNDED BY CATTLE/SHEEP PASTURE.
General: 1 ADULT FIRST OBSERVED AT THE BURROW SITE ON 16 NOV 1999.
Owner/Manager: PVT

Occurrence No. 379 **Map Index:** 44010 **EO Index:** 44010
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-12-15
Site: 1999-12-15
Record Last Updated: 2000-10-11

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.28760º / -121.79583º
UTM: Zone-10 N4238411 E605310
Area: 9.5 acres
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 02E
Section: 07 **Qtr:** SE
Meridian: M

Location: EAST SIDE OF SALEM ROAD, SOUTH OF ULATIS CREEK, 3 MILES SOUTH OF MAINE PRAIRIE SCHOOL, NORTH OF RIO VISTA
Location Detail: TWO BURROWS LOCATED IMMEDIATELY EAST OF THE FENCE ON THE EAST SIDE OF SALEM ROAD.
Ecological: SITE CONSISTS OF TWO BURROWS: ONE BURROW LOCATED IN A CONCRETE "PILLOW" FORTIFICATION AT THE SLOUGH TRIBUTARY AND A METAL PIPE BEING USED AS A BURROW.
Threat: THREATENED BY FLOODING.
General: SINGLE OWL FIRST OBSERVED ON 18 NOV 1999; BOTH BURROWS WERE FLOODED ON 30 NOV 1999, BUT THE OWL RETURNED AFTER THE FLOOD WATERS RECEDED (BY 15 DEC 1999).
Owner/Manager: PVT

Occurrence No. 380 **Map Index:** 44012 **EO Index:** 44012
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-01-31
Site: 2000-01-31
Record Last Updated: 2000-10-12

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.32925º / -121.78297º
UTM: Zone-10 N4243048 E606374
Radius: 80 meters
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 32 **Qtr:** NW
Meridian: M

Location: 0.2 MILE EAST OF MAINE PRAIRIE SCHOOL, 8 MILE SSE OF DIXON
Location Detail: TWO DRAIN PIPE BURROWS BEING USED BY THIS OWL; ONE ON THE NORTH SIDE AND ONE ON THE SOUTH SIDE OF MAINE PRAIRIE ROAD.
Ecological: HABITAT CONSISTS OF DRAIN PIPE BURROWS ON BOTH SIDES OF THE ROAD; SURROUNDED BY SHEEP PASTURE.
Threat: THREATENED BY FLOODING, ROAD MAINTENANCE, AND FERAL CATS.
General: A SINGLE OWL OBSERVED USING BURROWS BETWEEN 26 JAN-31 JAN 2000.
Owner/Manager: PVT, SOL COUNTY

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 381 **Map Index:** 44013 **EO Index:** 44013
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-05-XX
Site: 2000-05-XX
Record Last Updated: 2000-10-12

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.33658º / -121.75848º
UTM: Zone-10 N4243889 E608504
Radius: 80 meters
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 28 **Qtr:** SW
Meridian: M

Location: ALONG BUNKER ROAD, 1.5 MILES ENE OF MAINE PRAIRIE SCHOOL, 8 MILES SE OF DIXON

Ecological: HABITAT CONSISTS OF A METAL PIPE RUNNING UNDER THE ROAD; OPEN AT BOTH ENDS. SURROUNDING AREA IS ROW CROPS AND PASTURE.

Threat: THREATENED BY POTENTIAL PIPE MOVEMENT AND FERAL CATS.

General: 1 OWL OBSERVED USING BURROWS BETWEEN JAN-MAY 2000.

Owner/Manager: PVT

Occurrence No. 382 **Map Index:** 44037 **EO Index:** 44037
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-05-20
Site: 2000-05-20
Record Last Updated: 2000-10-16

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35749º / -121.75254º
UTM: Zone-10 N4246217 E608991
Radius: 80 meters
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 21 **Qtr:** NE
Meridian: M

Location: 0.1 MILE SOUTH OF SWAN ROAD AND 0.2 MILE WEST OF SIKES ROAD, SE OF DIXON

Ecological: BURROW CONSISTS OF A CORRUGATED METAL PIPE IN AN ABANDONED ELEVATED RAILROAD RIGHT-OF-WAY; SURROUNDED BY GRAZED PASTURE.

Threat: THREATENED BY NON-NATIVE PREDATORS (FERAL CATS).

General: SINGLE ADULT FIRST OBSERVED AT BURROW ON 18 DEC 1999.

Owner/Manager: PVT

Occurrence No. 383 **Map Index:** 44038 **EO Index:** 44038
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-05-20
Site: 2000-05-20
Record Last Updated: 2000-10-16

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35821º / -121.75550º
UTM: Zone-10 N4246293 E608732
Radius: 80 meters
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 21 **Qtr:** NE
Meridian: M

Location: NORTH AND SOUTH OF SWAN ROAD, 0.3 MILE WEST OF SIKES ROAD, SE OF DIXON

Ecological: BURROWS LOCATED IN GRAZED GRASSLAND HABITAT; AREA AROUND BURROWS IS WELL-CLEARED. BURROWS ARE SURROUNDED BY GRAZED PASTURELAND.

Threat: THREATENED BY ROAD MAINTENANCE AND NON-NATIVE PREDATORS (FERAL CATS).

General: 3 OWLS (2 ADULTS/1 JUV) FIRST OBSERVED AT THE BURROW SOUTH OF THE ROAD ON 3 JAN 2000 AND 2 ADULT OWLS OBSERVED AT THE BURROW NORTH OF THE ROAD ON 24 JAN 2000.

Owner/Manager: SOL COUNTY

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

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

Habitat Associations

General: OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No. 384 **Map Index:** 44044 **EO Index:** 44044

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-04-28
Site: 2000-04-28
Record Last Updated: 2000-10-16

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35736º / -121.75862º
UTM: Zone-10 N4246195 E608460
Radius: 80 meters
Elevation:
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 21 **Qtr:** XX
Meridian: M

Location: JUST SOUTH OF THE SWAN ROAD/BINGHAMPTON ROAD CURVE, SE OF DIXON

Ecological: HABITAT CONSISTS OF A VACANT CORNER WITH RUDERAL VEGETATION.

Threat: THREATENED BY NON-NATIVE PREDATORS (FERAL CATS) AND VEHICLES.

General: A SINGLE OWL WAS OBSERVED AT THE NORTHERNMOST BURROW ON THE EAST SIDE OF THE ROAD ON 19 JAN 2000. ON 28 APR 2000, A SINGLE OWL WAS OBSERVED USING A BURROW ON THE WEST EDGE OF THE ROAD; OWL EASILY FLUSHED BY VEHICLE TRAFFIC.

Owner/Manager: SOL COUNTY

Occurrence No. 385 **Map Index:** 44099 **EO Index:** 44099

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-05-20
Site: 2000-05-20
Record Last Updated: 2000-10-24

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.38755º / -121.74942º
UTM: Zone-10 N4249556 E609219
Radius: 80 meters
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 03 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF SIKES ROAD, 0.5 MILE SOUTH OF TREFOIL ROAD, SE OF DIXON

Location Detail: BURROW ENTRANCE IS NEARLY VERTICAL AND IS LOCATED ABOUT 20 FEET WEST OF SIKES ROAD.

Ecological: BURROW SITE CONSISTS OF AN OLD GROUND SQUIRREL BURROW, LOCATED AT THE EDGE OF A GUNITE-LINED CULVERT CROSSING AN IRRIGATION CANAL

Threat: THREATENED BY VEHICLE TRAFFIC AND POTENTIAL BLOCKAGE OF BURROW ENTRANCE.

General: 1 OWL FIRST OBSERVED AT THE BURROW SITE ON 24 NOV 1999.

Owner/Manager: PVT

Occurrence No. 386 **Map Index:** 44101 **EO Index:** 44101

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-05-20
Site: 2000-05-20
Record Last Updated: 2000-10-24

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.39422º / -121.74898º
UTM: Zone-10 N4250296 E609247
Radius: 80 meters
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 03 **Qtr:** SW
Meridian: M

Location: EAST SIDE OF SIKES ROAD, JUST SOUTH OF TREFOIL ROAD, ESE OF DIXON

Location Detail: BURROW IS LOCATED ABOUT 30 FEET EAST OF SIKES ROAD.

Ecological: BURROW CONSISTS OF A 4-INCH IRRIGATION PIPE IN A DITCH ADJACENT TO IRRIGATED PASTURE.

Threat: THREATENED BY FLOODING (IF IRRIGATION PIPE IS UTILIZED).

General: 1 OWL FIRST OBSERVED AT THE BURROW ON 13 JAN 2000.

Owner/Manager: PVT

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 387 **Map Index:** 44102 **EO Index:** 44102
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-05-20
Site: 2000-05-20
Record Last Updated: 2000-10-24

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.39446º / -121.74393º
UTM: Zone-10 N4250329 E609688
Radius: 80 meters
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 03 **Qtr:** NW
Meridian: M

Location: TREFOIL ROAD, 0.3 MILE EAST OF SIKES ROAD, ESE OF DIXON
Location Detail: BURROWS OPEN TO THE SOUTH, FACING THE ROAD.
Ecological: BURROWS CONSIST OF TWO 4-INCH PVC IRRIGATION PIPES IN AN IRRIGATION DITCH.
Threat: THREATENED BY FLOODING (IF IRRIGATION PIPE IS UTILIZED) AND FERAL CATS.
General: 1 OWL FIRST OBSERVED USING BOTH BURROWS ON 17 JAN 2000.
Owner/Manager: PVT

Occurrence No. 388 **Map Index:** 44122 **EO Index:** 44122
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-05-05
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.40059º / -121.72126º
UTM: Zone-10 N4251037 E611658
Radius: 80 meters
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 02 **Qtr:** NE
Meridian: M

Location: EAST SIDE OF BULKLEY ROAD, JUST SOUTH OF KING ROAD, ESE OF DIXON
Location Detail: 1989 BURROW LOCATED IN A BARNYARD CORRAL. 1999 BURROW OBSERVED IN EQUIPMENT/LUMBER STORED ON A PRIVATE LOT; BURROW FACES EAST, AWAY FROM THE ROAD. 5/5/2003 2 BIRDS OBSERVED USING CENTRAL WOOD POLE (S. CLOTHES LINE POLE) FOR PERCH.
Ecological: BURROW SURROUNDED BY RANCH BUILDINGS AND AGRICULTURAL FIELDS. 5/5/2003 ALFALFA TO THE SOUTH AND SHEEP GRAZING NEARBY.
Threat: THREATENED BY FERAL CATS AND MOVEMENT OF EQUIPMENT WHERE THE BURROWS LIE.
General: 1 ADULT OWL OBSERVED AT THE BURROW ON 2 JUL 1989. 1 OWL OBSERVED AT THE BURROW ON 18 NOV 1999. 5/5/2003 2 BIRDS SEEN, BURROW ASSUMED NEARBY.
Owner/Manager: PVT

Occurrence No. 389 **Map Index:** 44131 **EO Index:** 44131
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-05-20
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.47758º / -121.72194º
UTM: Zone-10 N4259579 E611480
Radius: 80 meters
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 02 **Qtr:** SW
Meridian: M

Location: WEST SIDE OF BULKLEY ROAD, 1.25 MILES SOUTH OF TREMONT ROAD, 8 MILES SOUTH OF DAVIS
Location Detail: OWL USES TWO BURROWS ON THE WEST SIDE OF BULKLEY ROAD.
Ecological: HABITAT CONSISTS OF A BURROW AT THE BASE OF A CULVERT AND A BURROW AT THE BERM OF AN IRRIGATION DITCH. 5/5/2003 DITCH AND CULVERT STILL PRESENT, HOLES WERE NOTED, UNSURE IF THEY WERE BURROWS. SURROUNDING AREA IS CULTIVATED AGRICULTURE.
Threat: THREATENED BY CANAL USE AND HOUSE PETS.
General: SINGLE OWL OBSERVED SEVERAL TIMES; FIRST OBSERVED AT BURROW AT THE BASE OF CULVERT ON 13 JAN 2000 AND AT BERM OF IRRIGATION DITCH BURROW ON 11 FEB 2000. 5/5/2003 NO OWLS SEEN.

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Owner/Manager: UNKNOWN

Occurrence No. 390 **Map Index:** 44140 **EO Index:** 44140
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-05-20
Site: 2000-05-20
Record Last Updated: 2000-10-25

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.41090º / -121.82302º
UTM: Zone-10 N4252062 E602758
Radius: 80 meters
Elevation: 50 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01E
Section: 35 **Qtr:** NE
Meridian: M

Location: WEST SIDE OF HIGHWAY 113, 0.4 MILE SOUTH OF MIDWAY ROAD, 2 MILES SOUTH OF DIXON
Location Detail: BURROW IS LOCATED ALONG AN AGRICULTURAL CANAL BANK, FACING EAST TOWARD HIGHWAY 113, ABOUT 50 FEET FROM THE ROAD.
Ecological: BURROW IS AN OLD GROUND SQUIRREL BURROW, ON A CANAL BANK THAT IS CLEARED OF ALL VEGETATION.
Threat: THREATENED BY CANAL USE/MAINTENANCE.
General: BREEDING PAIR FIRST OBSERVED AT THE BURROW ON 7 MAR 2000.
Owner/Manager: UNKNOWN

Occurrence No. 440 **Map Index:** 47371 **EO Index:** 47371
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-03-XX
Site: 2001-03-XX
Record Last Updated: 2002-03-06

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.21330º / -121.96547º
UTM: Zone-10 N4229987 E590566
Radius: 80 meters
Elevation: 150 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01W
Section: 10 **Qtr:** NW
Meridian: M

Location: POTRERO HILLS, SE OF FAIRFIELD
Ecological: HABITAT CONSISTS OF GRAZED ANNUAL GRASSLAND WITH SCATTERED STOCK PONDS; SPRING BRANCH CREEK FLOWS THROUGH THE CENTER OF THE VALLEY. CTS FOUND IN THE VICINITY.
Threat: THREATENED BY LANDFILL EXPANSION.
General: A SINGLE OWL WAS OBSERVED ON THE SOUTH SIDE OF THE VALLEY IN JUN 2000. A PAIR WAS OBSERVED AT A BURROW ON 1 FEB 2001; AT LEAST ONE OWL WAS OBSERVED ON TWO SUBSEQUENT VISITS IN MAR 2001.
Owner/Manager: PVT

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 455 **Map Index:** 48023 **EO Index:** 48023
Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-05-07
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.38828º / -121.72473º
UTM: Zone-10 N4249666 E611374
Radius: 80 meters
Elevation: 20 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 02E
Section: 02 **Qtr:** SW
Meridian: M

Location: SACRAMENTO NORTHERN RAILROAD GRADE, 0.5 MILE NE OF THE ETZEL ROAD INTERSECTION, 5/5/2003 ACCESS IS LOCKED.
Location Detail: BURROW IS LOCATED ON THE SIDE OF THE OLD RAILROAD GRADE, WHICH IS USED INFREQUENTLY AS AN ACCESS ROAD.
Ecological: HABITAT SURROUNDING THE BURROW SITE CONSISTS OF GRAZED GRASSLAND AND AGRICULTURE. 5/5/2003 HABITAT APPEARS THE SAME.
General: AT LEAST 1 ADULT OWL WAS FLUSHED FROM THE BURROW ON 7 MAY 2002. 5/5/2003 NO OWLS WERE SEEN.
Owner/Manager: UNKNOWN

Occurrence No. 458 **Map Index:** 48142 **EO Index:** 48142
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-18
Site: 2002-04-18
Record Last Updated: 2002-06-19

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35330º / -121.75624º
UTM: Zone-10 N4245747 E608674
Radius: 80 meters
Elevation: 17 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 02E
Section: 21 **Qtr:** NE
Meridian: M

Location: ALONG THE SACRAMENTO NORTHERN RR GRADE, 0.2 MILE NE OF THE INTERSECTION OF BINGHAMTOM AND SWAN ROADS, NNE OF DOZIER.
Ecological: HABITAT SURROUNDING BURROWS CONSISTS OF GRAZED NON-NATIVE GRASSLAND, WITH SOME VERNAL POOLS AND AGRICULTURAL FIELDS.
General: 1+ OWLS OBSERVED USING BURROW ON 7 FEB AND 18 APR 2002.
Owner/Manager: PVT

Occurrence No. 459 **Map Index:** 48143 **EO Index:** 48143
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-05-XX
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.45231º / -121.66769º
UTM: Zone-10 N4256842 E616253
Area:
Elevation: 15 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 07N
Range: 03E
Section: 17 **Qtr:** XX
Meridian: M

Location: ALONG THE ABANDONED SACRAMENTO NORTHERN RR, EXTENDING 1 MILE SW FROM ROAD 38.
Location Detail: BURROWS ARE PRESENT IN OLD RR GRADE AND IN BERMS THAT BORDER SOME DITCHES. FENCE POSTS AND OLD RAILROAD DETRITUS PROVIDE PERCHES.
Ecological: HABITAT SURROUNDING BURROWS CONSISTS OF GRAZED NON-NATIVE GRASSLAND, WITH SOME VERNAL POOLS. 5/5/2003 CATTLE GRAZING ON THE SITE.
Threat: THREATENED BY THE LACK OF BURROWING MAMMALS (GROUND SQUIRRELS); MOST OF THE EXISTING BURROWS ARE ARTIFICIAL. CATTLE.
General: 4+ OWLS OBSERVED AT BURROW SITES IN FEB AND MAY 2002. 5/5/2003- 0 BIRDS OBSERVED, HIGH GREEN GRASS DUE TO LATE RAINS MAYBE HIDING BURROW SITES.
Owner/Manager: DFG

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 479 **Map Index:** 48649 **EO Index:** 48649
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-03-26
Site: 2002-03-26
Record Last Updated: 2002-08-22

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.43112º / -121.83323º
UTM: Zone-10 N4254295 E601838
Area: 23.0 acres
Elevation: 56 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 07N
Range: 01E
Section: 26 **Qtr:** NW
Meridian: M

Location: 1.1 MILES NW OF INTERSECTION OF HWY 113 & MIDWAY RD, 0.75 MILE SSW OF DIXON
Location Detail: BURROWS ARE LOCATED ALONG THE BERM SURROUNDING THE "POND A" WATER RETENTION BASIN WHICH COLLECTS RUN-OFF FOR THE CITY OF DIXON.
Ecological: HABITAT SURROUNDING BURROWS IS DOMINATED BY WEEDY, INVASIVE PLANT SPECIES.
Threat: THREATENED BY DEVELOPMENT OF SURROUNDING AREA.
General: 4 ADULTS AND ONE JUVENILE OBSERVED AT TWO BURROWS ON 26 MAR 2002.
Owner/Manager: CITY OF DIXON

Occurrence No. 482 **Map Index:** 48654 **EO Index:** 48654
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: XXXX-XX-XX
Site: 1989-07-01
Record Last Updated: 2002-08-22

Quad Summary: Dixon (3812147/498A), Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.40223º / -121.86956º
UTM: Zone-10 N4251049 E598706
Radius: 2/5 mile
Elevation: 60 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01E
Section: 04 **Qtr:** XX
Meridian: M

Location: 3.8 MILES SW OF DIXON; ALONG WEBER ROAD BETWEEN BATAVIA ROAD AND FOX ROAD.
General: HISTORIC SITE. INDIVIDUALS NOT DETECTED ON 1 JUL 1989.
Owner/Manager: UNKNOWN

Occurrence No. 483 **Map Index:** 48655 **EO Index:** 48655
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: XXXX-XX-XX
Site: 1989-07-01
Record Last Updated: 2002-08-22

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.43114º / -121.82266º
UTM: Zone-10 N4254309 E602760
Radius: 1/5 mile
Elevation: 55 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01E
Section: 26 **Qtr:** XX
Meridian: M

Location: 1 MILE DIRECTLY SOUTH OF DIXON ON RIO-DIXON ROAD (SR 113).
General: HISTORIC SITE. INDIVIDUALS NOT DETECTED ON 1 JUL 1989.
Owner/Manager: UNKNOWN

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 484 **Map Index:** 48656 **EO Index:** 48656
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: XXXX-XX-XX
Site: 1989-07-01
Record Last Updated: 2002-08-22

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.44354º / -121.81439º
UTM: Zone-10 N4255694 E603464
Radius: 1/5 mile
Elevation: 55 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01E
Section: 24 **Qtr:** XX
Meridian: M

Location: DIXON; SOUTH OF DIXON AVENUE EAST AT THE LITTLE LEAGUE FIELD.
General: HISTORIC SITE. INDIVIDUALS NOT DETECTED ON 1 JUL 1989.
Owner/Manager: UNKNOWN

Occurrence No. 485 **Map Index:** 48658 **EO Index:** 48658
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: XXXX-XX-XX
Site: 1989-07-01
Record Last Updated: 2002-08-22

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.41754º / -121.80615º
UTM: Zone-10 N4252818 E604221
Radius: 1/5 mile
Elevation: 45 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01E
Section: 25 **Qtr:** SE
Meridian: M

Location: 2 MILES SE OF DIXON; NW CORNER OF INTERSECT OF PEDRICK ROAD AND MIDWAY ROAD.
General: HISTORIC SITE. INDIVIDUALS NOT DETECTED ON 1 JUL 1989.
Owner/Manager: UNKNOWN

Occurrence No. 490 **Map Index:** 48680 **EO Index:** 48680
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1989-01-07
Site: 2003-05-05
Record Last Updated: 2003-05-07

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.41539º / -121.72042º
UTM: Zone-10 N4252680 E611709
Radius: 1/5 mile
Elevation: 30 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 07N
Range: 02E
Section: 35 **Qtr:** NE
Meridian: M

Location: SE CORNER OF MIDWAY ROAD AND BUCKLEY ROAD; 1 MILE NNW LIBFARM.
Ecological: AREA PRIMARILY IN FARMING. 5/5/2003 DITCH AREA SOUTH OF ROAD HAS LITTLE VEGETATION, PROBABLY NEWLY CUT. AGRICULTURE ON SE RECENTLY PLOWED. SEVERAL HOLES SPOTTTED IN THE DITCH EDGE.
Threat: FARMING MAY BE A THREAT
General: 2 INDIVIDUALS OBSERVED ROOSTING IN CULVERTS ON 30 JAN 1982. NOT SEEN IN 1987 OR 1988. SEEN AGAIN 7 JAN 1989. 5/5/2003 NO BIRDS SEEN.
Owner/Manager: UNKNOWN

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 556 **Map Index:** 50573 **EO Index:** 50573
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-12-10
Site: 2002-12-10
Record Last Updated: 2003-03-12

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.15599º / -122.11612º
UTM: Zone-10 N4223492 E577438
Radius: 80 meters
Elevation: 132 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 04N
Range: 02W
Section: 32 **Qtr:** NW
Meridian: M

Location: AT INTERSECTION OF LOPES RD & GATED ACCESS ROAD, 0.2 MILE N OF MARSH VIEW RD CROSSING OVER I-680, 7 MI SSW OF FAIRFIELD

Ecological: HABITAT CONSISTS OF AN AREA OF LOW-GROWING MIXED HERBACEOUS PLANTS CONTAINING 100+ POTENTIAL BURROWS, SOME WITH BUOW WHITEWASH AND PELLETS. SURROUNDING AREA DOMINATED BY CATTLE GRAZING.

Threat: THREATENED BY CONSTRUCTION OF A PROPOSED FIRING RANGE.

General: 2 INDIVIDUALS OBSERVED IN NOV-DEC 2002.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 658 **Map Index:** 53965 **EO Index:** 53965
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-06-30
Site: 2005-06-30
Record Last Updated: 2007-07-12

Quad Summary: Dozier (3812137/498D), Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.27762º / -121.87958º
UTM: Zone-10 N4237212 E597999
Area:
Elevation: 40 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 17 **Qtr:** XX
Meridian: M

Location: E OF THE END OF THE TRAVIS AIR FORCE BASE RUNWAY, MOSTLY S OF THE NORTHERN PACIFIC TRACKS, 2 MILES EAST OF TRAVIS FIELD.

Location Detail: MUZZY RANCH HAS BEEN PROPOSED AS A MITIGATION BANK. PART OF OCCURRENCE: SW 1/4 OF SW 1/4 OF SEC 10 MAPPED ACCORDING TO T-R-S DATA PROVIDED BY SOURCE.

Ecological: HABITAT CONSISTS OF OPEN GRASSLAND, WITH VERNAL/PLAYA POOLS, PRIMARILY ON SOLANO LOAM SOIL. OWLS USE CALIFORNIA GROUND SQUIRREL BURROWS, MOST COMMONLY FOUND ON MIMA MOUNDS, AND CULVERTS ALONG THE TRAVIS AFB FENCELINE.

Threat: 2003: POSSIBLE THREAT FROM CATTLE GRAZING. 2005: DEVELOPMENT.

General: 8 ADULTS (PAIRS AND INDIVIDUALS) OBSERVED, FEB-DEC 2003. 5 ADULTS (1 HIGHLY TERRITORIAL) OBSERVED BETWEEN SW 1/4 OF SW 1/4 & SW 1/4 OF SE 1/4 OF SECTION 10 (EO#932) ON 30 JUN 2005. NO NESTS OBS BUT NEST IN SAME AREA REPORTED 2 WKS LATER.

Owner/Manager: PVT

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 713 **Map Index:** 58070 **EO Index:** 58106
Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-07-29
Site: 2004-07-29
Record Last Updated: 2004-11-15

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.40217º / -121.89112º
UTM: Zone-10 N4251020 E596823
Radius: 80 meters
Elevation: 70 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01E
Section: 05 **Qtr:** XX
Meridian: M

Location: ALONG SOUTH SIDE OF WEBER ROAD, 1.25 MILES EAST OF INTERSTATE 80, 6 MILES NORTHEAST OF VACAVILLE.
Ecological: BURROW CONSISTS OF A WOODPILE.
Threat: RELOCATION OF WOODPILE.
General: 2 INDIVIDUALS AND MANY FEATHERS OBSERVED AT WOODPILE ON 29 JUL 2004.
Owner/Manager: PVT

Occurrence No. 720 **Map Index:** 58227 **EO Index:** 58263
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-XX
Site: 2004-05-XX
Record Last Updated: 2004-11-29

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.46625º / -121.65433º
UTM: Zone-10 N4258406 E617396
Radius: 80 meters
Elevation: 15 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 03E
Section: 09 **Qtr:** SW
Meridian: M

Location: ALONG THE ROAD TO GLIDE RANCH, ON THE EAST SIDE OF ROAD 106, 0.5 MILE NORTH OF ROAD 38 JUNCTION, WEST OF SACRAMENTO
Ecological: HABITAT SURROUNDING BURROWS CONSISTS OF GRAZED GRASSLAND.
General: 2 ADULTS AND 4 JUVENILES WERE OBSERVED AT A SERIES OF BURROWS UNDERNEATH POWERLINES DURING MAY 2004.
Owner/Manager: DFG-YOLO BASIN WA

Occurrence No. 721 **Map Index:** 58229 **EO Index:** 58265
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-XX
Site: 2004-05-XX
Record Last Updated: 2004-11-29

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35390º / -121.76295º
UTM: Zone-10 N4245807 E608086
Radius: 80 meters
Elevation: 20 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 02E
Section: 21 **Qtr:** NW
Meridian: M

Location: NEAR SWAN ROAD, WEST OF BUNKER STATION ROAD, 7 MILES SSE OF DIXON
Ecological: HABITAT CONSISTS OF GRAZED GRASSLAND.
Threat: THREATENED BY HABITAT LOSS.
General: ONE CLUTCH OF 6-8 EGGS DID NOT HATCH, BUT A SECOND CLUTCH SUCCESSFULLY HATCHED, AS INDICATED BY THE PRESENCE OF 2 ADULTS AND 2 JUVENILES DURING MAY 2004.
Owner/Manager: PVT

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Occurrence No. 722 **Map Index:** 58230 **EO Index:** 58266
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-28
Site: 2004-05-28
Record Last Updated: 2004-11-29

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.31644º / -121.93445º
UTM: Zone-10 N4241463 E593149
Radius: 80 meters
Elevation: 80 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01W
Section: 35 **Qtr:** SE
Meridian: M

Location: AT THE INTERSECTION OF MCCORY ROAD AND NORTH GATE ROAD, SE OF VACAVILLE
Location Detail: SINCE NO GROUND SQUIRREL BURROWS ARE FOUND WITHIN THE AREA; BURROWS ARE LOCATED UNDERNEATH A CEMENT BLOCK. A NEARBY CONCRETE RUBBLE PILE SERVES AS A POPULAR ROOSTING AREA.
Ecological: HABITAT CONSISTS OF GRAZED GRASSLAND.
Threat: THREATENED BY HABITAT LOSS.
General: 2 ADULTS AND 4 JUVENILES OBSERVED ON 28 MAY 2004.
Owner/Manager: PVT

Occurrence No. 789 **Map Index:** 64581 **EO Index:** 64660
Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-04-27
Site: 2006-04-27
Record Last Updated: 2006-05-01

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.40934º / -121.95412º
UTM: Zone-10 N4251752 E591313
Radius: 80 meters
Elevation: 115 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01W
Section: 34 **Qtr:** XX
Meridian: M

Location: ALONG THE EAST EDGE OF EUBANKS ROAD, 0.55 MILE SOUTH OF MIDWAY ROAD, VACAVILLE
Location Detail: BURROW WAS LOCATED IN THE INTERCHANGE BUSINESS PARK.
Ecological: BURROW WAS LOCATED IN A SINK HOLE ALONG THE ROAD EDGE; SURROUNDED BY A VACANT LOT THAT IS RAPIDLY MOVING TOWARD DEVELOPMENT (MOST LOTS HAVE BEEN GRADED AND FILLED).
Threat: THREATENED BY FUTURE INDUSTRIAL PARK DEVELOPMENT, TRAFFIC, AND ROAD MAINTENANCE.
General: 2 ADULTS PRESENT, 19-23 APR 2006; 1 ADULT (PRESUMABLY, THE MALE) WAS GUARDING THE BURROW ENTRANCE, 24-27 APR 2006.
Owner/Manager: CITY OF VACAVILLE

Occurrence No. 858 **Map Index:** 66304 **EO Index:** 66386
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-02-06
Site: 2006-02-06
Record Last Updated: 2006-09-21

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23905º / -122.04768º
UTM: Zone-10 N4232768 E583339
Area:
Elevation: 5 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 02W
Section: 35 **Qtr:** NE
Meridian: M

Location: EAST OF SOUTH PENNSYLVANIA AVENUE, BETWEEN CORDELIA STREET AND HIGHWAY 12, SOUTH OF FAIRFIELD AND WEST OF SUISUN CITY.
Location Detail: SITE IS SURROUNDED BY SUBURBAN DEVELOPMENT TO THE NORTH AND EAST, PASTURE LAND AND LIGHT INDUSTRIAL TO THE WEST, AND PASTURE LAND AND ESTUARY TO THE SOUTH.
Ecological: HABITAT SURROUNDING BURROW SITE CONSISTS OF NON-NATIVE GRASSLAND, SEASONAL/PERENNIAL MARSHES, VERNAL POOLS, SEASONALLY-SATURATED GRASSLAND, RIPARIAN WETLANDS, AND DRAINAGE CHANNELS.
Threat: THREATENED BY PROPOSED DEVELOPMENT.
General: 2 ADULTS OBSERVED AT AN ACTIVE BURROW ON 6 FEB 2006.

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2

Other Lists
CDFG Status: SC

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

Owner/Manager: UNKNOWN

Occurrence No. 932 **Map Index:** 69285 **EO Index:** 70069

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-06-30
Site: 2005-06-30
Record Last Updated: 2007-05-16

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.28766º / -121.84899º
UTM: Zone-10 N4238359 E600660
Area:
Elevation: 25 ft

Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON

Township: 05N
Range: 01E
Section: 10 **Qtr:** SE
Meridian: M

Location: ABOUT 1.4 MILES WEST OF HIGHWAY 113, ALONG SACRAMENTO NORTHERN RAILROAD GRADE.
Location Detail: MAPPED IN SW 1/4 OF SE 1/4 OF SECTION 10 ACCORDING TO T-R-S DATA PROVIDED BY SOURCE.
Threat: DEVELOPMENT.
General: 5 ADULTS (1 HIGHLY TERRITORIAL) OBSERVED BETWEEN HERE AND SW 1/4 OF SW 1/4 OF SECTION 10 ON 30 JUN 2005. NO NESTS OBSERVED BUT NEST IN SAME AREA REPORTED TWO WEEKS LATER.
Owner/Manager: PVT

Occurrence No. 952 **Map Index:** 69412 **EO Index:** 70188

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-08
Site: 2005-07-08
Record Last Updated: 2007-06-13

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.38257º / -121.93842º
UTM: Zone-10 N4248797 E592718
Area:
Elevation: 87 ft

Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON

Township: 06N
Range: 01W
Section: 11 **Qtr:** SE
Meridian: M

Location: NORTH AND SOUTH OF GILLEY WAY, BETWEEN LEISURE TOWN ROAD AND ORANGE DRIVE, VACAVILLE.
Location Detail: ACTIVE BURROWS FOUND IN FIVE LOCATIONS IN 2005; TWO BURROWS CONTAINED ACTIVE JUVENILES.
Ecological: HABITAT CONSISTS OF A MOWED AREA ADJACENT TO A GOLF COURSE, DOMINATED BY BERMUDA GRASS AND YELLOW STAR THISTLE. BURROWS WERE LOCATED QUITE CLOSE TOGETHER, AND SOME WERE LOCATED ADJACENT TO ROADWAYS.
Threat: THREATENED BY TRAFFIC ASSOCIATED WITH THE GOLF COURSE AND GOLF MAINTENANCE ACTIVITIES.
General: ON 8 JUL 2005, 5 ADULTS/3+ JUVENILES OBSERVED AT ONE LOCATION, 2 ADULTS/2 JUVENILES OBSERVED AT A SECOND LOCATION, AND SINGLE ADULTS OBSERVED AT BURROWS AT THE OTHER THREE SITES.
Owner/Manager: UNKNOWN

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status

Federal: None
State: None

NDDB Element Ranks

Global: G4
State: S2

Other Lists

CDFG Status: SC

Habitat Associations

General: OPEN, DRY ANNUAL OR PERENIAL GRASSLANDS, DESERTS & SCRUBLANDS CHARACTERIZED BY LOW-GROWING VEGETATION.

Micro: SUBTERRANEAN NESTER, DEPENDENT UPON BURROWING MAMMALS, MOST NOTABLY, THE CALIFORNIA GROUND SQUIRREL.

Occurrence No. 962 **Map Index:** 69441 **EO Index:** 70220

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen

Element: 2005-11-30
Site: 2005-11-30

Record Last Updated: 2007-05-31

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.35890º / -121.89692º
UTM: Zone-10 N4246213 E596374
Radius: 80 meters
Elevation: 63 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 06N
Range: 01E
Section: 20 **Qtr:** NW
Meridian: M

Location: JUST SW OF THE INTERSECTION OF LEWIS ROAD AND HAWKINS ROAD, 0.9 MILE NE OF ELMIRA.

Location Detail: BURROW WAS LOCATED AT THE TOP OF A DRAINAGE DITCH, ADJACENT TO A FALLOW FIELD.

Ecological: HABITAT SURROUNDING BURROW CONSISTS OF AN ALFALFA FIELD ACROSS THE ROAD AND A FALLOW FIELD DOMINATED BY 2-4' TALL INVASIVE WEEDS.

Threat: THREATENED BY BUSY TRAFFIC ROADS ADJACENT TO BURROW.

General: BUOW OBSERVED FEEDING ON A SMALL RODENT ON 29 NOV; ON 30 NOV 2005, HEAVY DROPPINGS WERE OBSERVED AROUND THE BURROW ENTRANCE.

Owner/Manager: UNKNOWN

Atriplex cordulata

heartscale

Element Code: PDCHE040B0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2?
State: S2.2?

Other Lists
CNPS List: 1B.2

Habitat Associations
General: CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, MEADOWS.
Micro: ALKALINE FLATS AND SCALDS IN THE CENTRAL VALLEY, SANDY SOILS. 1-150(600)M.

Occurrence No. 5 **Map Index:** 24709 **EO Index:** 2456

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Unknown

Dates Last Seen
Element: 1892-08-16
Site: 1892-08-16
Record Last Updated: 2005-09-20

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.32825º / -121.96125º
UTM: Zone-10 N4242747 E590791
Radius: 3/5 mile
Elevation: 150 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01W
Section: 34 **Qtr:** XX
Meridian: M

Location: LITTLE OAK, NEAR VACAVILLE.

Location Detail: MAPPED IN THE HISTORICAL VICINITY OF THE JEPSON FAMILY'S LITTLE OAK RANCH, EAST OF PEABODY RD AND SOUTH OF ALAMO DR.

General: ONLY SOURCES OF INFORMATION FOR THIS SITE ARE 2 COLLECTIONS BY JEPSON FROM 1887 & 1892. D. TAYLOR SUGGESTS THAT HISTORIC COLLECTION LOCATIONS IN SOLANO COUNTY ARE PROBABLY EXTIRPATED.

Owner/Manager: UNKNOWN

Occurrence No. 43 **Map Index:** 32022 **EO Index:** 3951

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-08-31
Site: 1994-08-31
Record Last Updated: 1995-02-10

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27201º / -121.80593º
UTM: Zone-10 N4236670 E604449
Radius: 80 meters
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 13 **Qtr:** SE
Meridian: M

Location: JEPSON PRAIRIE; ABOUT 50 FT W OF HWY 113, 0.5 MI S OF BRIDGE OVER BARKER SLOUGH.

Location Detail: FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONS. EASEMENT.

Ecological: ALKALINE MEADOW ADJACENT TO INTERMITTENT STREAM. ASSOCIATED WITH DISTICHLIS SPICATA AND HORDEUM MARINUM. NEAR OTHER RARE PLANTS: DOWNINGIA PUSILLA AND LEGENERE LIMOSA.

Threat: SHEEP GRAZING COULD THREATEN.

General: 100-200 PLANTS IN 1994.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 44 **Map Index:** 32021 **EO Index:** 3952

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-08-10
Site: 1994-08-10
Record Last Updated: 1995-03-21

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27809º / -121.84193º
UTM: Zone-10 N4237305 E601292
Radius: 80 meters
Elevation: 18 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 14 **Qtr:** SW
Meridian: M

Location: 1.4 MI SW OF DOZIER, 1 MILE W OF JUNCTION SACRAMENTO NORTHERN RR AND COOK LANE.

Location Detail: AT END OF PRIVATE ROAD.

Ecological: IN INTERMITTENT DRAINAGE.

Threat: GRAZING THREATENS.

General: 12 PLANTS IN 1994. MORE PLANTS AND HABITAT ON OTHER SIDE OF FENCE, BUT ON PRIVATE PROPERTY; NOT SURVEYED.

Owner/Manager: PVT

Atriplex cordulata

heartscale

Element Code: PDCHE040B0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2?
State: S2.2?

Other Lists
CNPS List: 1B.2

Habitat Associations
General: CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, MEADOWS.
Micro: ALKALINE FLATS AND SCALDS IN THE CENTRAL VALLEY, SANDY SOILS. 1-150(600)M.

Occurrence No. 45 **Map Index:** 32023 **EO Index:** 3950

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-08-10
Site: 1994-08-10
Record Last Updated: 1995-11-01

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25581º / -121.80500º
UTM: Zone-10 N4234873 E604554
Area: 1.5 acres
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 02E
Section: 30 **Qtr:** NW
Meridian: M

Location: CALHOUN CUT ECOLOGICAL RESERVE, 2 MILES SOUTH OF WHERE HWY 113 VEERS SOUTHWARD.
Location Detail: 100 FT EAST OF HWY 113.
Ecological: ALKALI MEADOW AT MARGIN OF MARSH. WITH DISTICHLIS SPICATA, FRANKENIA SALINA, & HEMIZONIA PUNGENS.
General: 100-200 PLANTS IN 1994.
Owner/Manager: DFG-CALHOUN CUT ER

Occurrence No. 47 **Map Index:** 22104 **EO Index:** 20988

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-08-31
Site: 1994-08-31
Record Last Updated: 1995-11-14

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.24152º / -121.80610º
UTM: Zone-10 N4233286 E604478
Radius: 80 meters
Elevation: 20 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 36 **Qtr:** NE
Meridian: M

Location: WEST SIDE OF HWY 113 (RIO-DIXON ROAD) JUST SOUTH OF CREED ROAD JUNCTION.
Location Detail: ALONG FENCELINE.
Ecological: ALKALINE MEADOW ALONG INTERMITTENT DRAINAGE. WITH DISTICHLIS SPICATA, HEMIZONIA PUNGENS, HORDEUM MARINUM, BROMUS HORDEACEUS, AND ISOCOMA ARGUTA.
Threat: SITE IS NON-GRADED PORTION OF HWY RIGHT-OF-WAY.
General: 100-200 PLANTS IN 1994.
Owner/Manager: UNKNOWN, CALTRANS

Occurrence No. 69 **Map Index:** 49733 **EO Index:** 49733

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-09-12
Site: 2001-09-12
Record Last Updated: 2002-12-26

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.21783º / -121.84328º
UTM: Zone-10 N4230616 E601257
Area: 3.2 acres
Elevation: 80 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01E
Section: 03 **Qtr:** SE
Meridian: M

Location: ALONG WEST SIDE OF GOOSE HAVEN ROAD, 0.25 MILE SOUTH OF LAMBIE ROAD.
Location Detail: POPULATION LOCATED IN THE NORTHEAST 1/4 OF THE SOUTHEAST 1/4 OF SECTION 3.
Ecological: ALKALI MEADOW WITH SCALDS; WITH DISTICHLIS SPICATA, CENTROMADIA PARRYI SSP. RUDIS, HORDEUM MARINIUM SSP. GUSSONEANUM.
Threat: GRAZING BY GOATS.
General: 100'S OF INDIVIDUALS OBSERVED IN 2001.
Owner/Manager: UNKNOWN

Atriplex cordulata

heartscale

Element Code: PDCHE040B0

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G2?	**CNPS List:** 1B.2
State: None	**State:** S2.2?	

Habitat Associations

General: CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, MEADOWS.

Micro: ALKALINE FLATS AND SCALDS IN THE CENTRAL VALLEY, SANDY SOILS. 1-150(600)M.

Occurrence No. 71 **Map Index:** 54637 **EO Index:** 54637

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-06-18
Site: 2003-06-18
Record Last Updated: 2004-03-09

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.30360º / -121.79848º
UTM: Zone-10 N4240184 E605055
Radius: 80 meters
Elevation: 15 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 05N
Range: 02E
Section: 06 **Qtr:** SW
Meridian: M

Location: NORTHEAST OF DOZIER, APPROXIMATELY 0.3 AIRMILE SSW OF RAILROAD CROSSING OF ULATIS CREEK.

Location Detail: ONE COLONY LOCATED IN THE EASTERN HALF OF THE SOUTHWEST 1/4 OF SECTION 6.

Ecological: IN SPARSELY VEGETATED AREAS WITHIN ALKALINE MESIC GRASSLAND AND VERNALLY WET SWALES. ASSOCIATED SPECIES INCLUDE DISTICHLIS SPICATA, LASTHENIA PLATYCARPHA, HORDEUM MARINUM SSP. GUSSONEANUM, BROMUS HORDEACEUS, AND LOLIUM MULTIFLORUM.

Threat: INVASIVE, ANNUAL NON-NATIVE GRASSES. LARGE HERD OF SHEEP KEPT ON SITE FOR SEVERAL MONTHS IN 2003 AND BEFORE.

General: OPEN GRAZED LAND ON GRIDLEY RANCH (PROPOSED MITIGATION BANK). 75+ INDIVIDUALS OBSERVED IN 2003.

Owner/Manager: PVT-WETLANDS RESOURCES

Atriplex depressa

brittlescale

Element Code: PDCHE042L0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2Q
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: CHENOPOD SCRUB, MEADOWS, PLAYAS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: USUALLY IN ALKALI SCALDS OR ALK. CLAY IN MEADOWS OR ANNUAL GRASSLND; RARELY ASSOC W/RIPARIAN, MARSHES, OR V.P'S. 1-320M.

Occurrence No. 8 **Map Index:** 24321 **EO Index:** 16629

Dates Last Seen
Element: 1991-09-08
Site: 1991-09-08
Record Last Updated: 1996-09-18

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.13249º / -121.88867º
UTM: Zone-10 N4221098 E597397
Radius: 80 meters
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 03N
Range: 01E
Section: 05 **Qtr:** SE
Meridian: M

Location: 1 MILE WEST OF BIRDS LANDING, NEAR MONTEZUMA SLOUGH. 0.7 MILE NORTHWEST OF MOLENA.

Ecological: RIPARIAN AND SALT MARSH; PART OF DIKED MARSH FED BY SEASONAL DRAINAGE. IN SHALLOW DEPRESSION OF FLOOD PLAIN W/SUAEDA DEPRESSA ERECTA, HEMIZONIA PUNGENS, BASSIA HYSSOPIFOLIA, NITROPHILA OCCIDENTALIS, SALICORNIA VIRGINICA, S. SUBTERMINALIS.

Threat: AREA IS USED FOR HUNTING. FENCE CONSTRUCTION AND HERBICIDE APPLICATION FOR DUCK HABITAT MANAGEMENT THREATEN.

General: APPROX 300 PLANTS SEEN IN 1991.

Owner/Manager: PVT

Occurrence No. 19 **Map Index:** 10537 **EO Index:** 16613

Dates Last Seen
Element: 1958-09-08
Site: 1958-09-08
Record Last Updated: 1993-10-25

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27018º / -121.82719º
UTM: Zone-10 N4236443 E602592
Radius: 1/5 mile
Elevation: 15 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 23 **Qtr:** NE
Meridian: M

Location: 1 MI SW OF DOZIER STATION, 12 MI S OF DIXON.

Location Detail: FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97.

Ecological: LARGE BARREN WHITE ALKALI DRY LAKE BED.

General: MAPPED AT OLCOTT LAKE. 1991 COLLECTION BY TAYLOR FROM 1.1 MI SW OF OLCUTT SIDING, VICINITY OF DOZIER ATTRIBUTED TO THIS

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 55 **Map Index:** 35356 **EO Index:** 30166

Dates Last Seen
Element: 1996-07-17
Site: 1996-07-17
Record Last Updated: 1997-02-04

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22365º / -121.97711º
UTM: Zone-10 N4231124 E589534
Area:
Elevation: 5 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 04 **Qtr:** NE
Meridian: M

Location: EAST SIDE OF ACCESS ROAD TO POTRERO HILLS LANDFILL, ABOUT 1.5 MILES SOUTHWEST OF TRAVIS AIR FORCE BASE RUNWAY.

Location Detail: IN WETLANDS ALONG THE EAST SIDE OF ROAD. IN SW1/4 OF NE1/4 OF SECTION 4.

Ecological: ALKALI PLAYA ADJACENT TO TIDAL SALT MARSH. SITE DOMINATED BY NON-NATIVE GRASSES IN UPLANDS AND SALICORNIA SPP. IN WETLANDS. ASSOCIATED WITH POLYPOGON MONSPELIENSIS, SALICORNIA EUROPAEA, S. VIRGINICA, FRANKENIA SALINA, ET AL.

Threat: SITE IS PARTIALLY FILLED AND GRADED. POSSIBLE INVASION BY LEPIDIUM LATIFOLIUM OR SALSOLA.

General: 213 PLANTS OBSERVED IN 1996.

Owner/Manager: PVT

Atriplex depressa

brittlescale

Element Code: PDCHE042L0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2Q
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: CHENOPOD SCRUB, MEADOWS, PLAYAS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: USUALLY IN ALKALI SCALDS OR ALK. CLAY IN MEADOWS OR ANNUAL GRASSLND; RARELY ASSOC W/RIPARIAN, MARSHES, OR V.P'S. 1-320M.

Occurrence No. 59 **Map Index:** 49738 **EO Index:** 49738

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1986-09-01
Site: 1986-09-01
Record Last Updated: 2002-12-27

Quad Summary: Denverton (3812128/481B), Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.24294º / -121.92663º
UTM: Zone-10 N4233315 E593928
Radius: 1 mile
Elevation:
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01W
Section: 25 **Qtr:** XX
Meridian: M

Location: ALONG CREED ROAD, APPROXIMATELY 2 MILES EAST OF HIGHWAY 12.
Location Detail: EXACT LOCATION UNKNOWN; MAPPED AS BEST GUESS BY CNDDB AT CREED ROAD APPROXIMATELY 2 MILES EAST OF HIGHWAY 12 (VIA BRANSCOME RD AS CREED ROAD DOES NOT DIRECTLY CONNECT TO HIGHWAY 12).
Ecological: BED OF LARGE VERNAL POOL.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1986 COLLECTION BY STONE. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

Occurrence No. 64 **Map Index:** 51023 **EO Index:** 51023

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-08-21
Site: 2002-08-21
Record Last Updated: 2003-04-17

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28553º / -121.98440º
UTM: Zone-10 N4237983 E588821
Area: 1.5 acres
Elevation: 50 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01W
Section: 16 **Qtr:** NW
Meridian: M

Location: 1.2 AIRMILES SSE OF CEMENT HILL SUMMIT, SOUTH OF CEMENT HILL ROAD, ALONG UNNAMED DRAINAGE.
Location Detail: TWO SMALL COLONIES MAPPED IN THE NW 1/4 OF THE NW 1/4 OF SECTION 16.
Ecological: OPEN AREAS IN ALKALI MEADOW W/ CENTROMADIA PARRYI SSP. PARRYI, FRANKENIA SALINA, HORDEUM MARINUM SSP. GUSSONEANUM. PERIDERIDIA GAIRDNERI ALSO PRESENT.
Threat: CATTLE GRAZING, PROPOSED ROUTE FOR JEPSON PARKWAY.
General: APPROXIMATELY 24 INDIVIDUALS OBSERVED IN 2002. 1891 COLLECTION BY JEPSON, "WEST OF VANDEN, POINT OF THE PELLEJO HILLS" ATTRIBUTED TO THIS SITE. (VANDEN WAS RR STATION 5 MI S OF VACAVILLE).
Owner/Manager: PVT

Occurrence No. 69 **Map Index:** 62701 **EO Index:** 62738

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-07-17
Site: 1992-07-17
Record Last Updated: 2005-09-23

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25531º / -121.87199º
UTM: Zone-10 N4234745 E598693
Area:
Elevation: 30 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 28 **Qtr:** NW
Meridian: M

Location: JEPSON PRAIRIE; LARGE PLAYA VERNAL POOL 2.4 MILES SSW OF OLCOTT SIDING.
Location Detail: EXACT LOCATION UNKNOWN. MAPPED BY CNDDB BASED ON T-R-S INFO BY TAYLOR: T5N, R1E, NE 1/4 OF NW 1/4 OF SECTION 28.
Ecological: SEMI-SALINE CLAY WITH DISTICHLIS SPICATA, FRANKENIA CHARACTERISTIC.
General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1992 COLLECTION BY TAYLOR.
Owner/Manager: SOLANO LAND TRUST

Atriplex joaquiniana

San Joaquin spearscale

Element Code: PDCHE041F3

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: CHENOPOD SCRUB, ALKALI MEADOW, VALLEY AND FOOTHILL GRASSLAND.
Micro: IN SEASONAL ALKALI WETLANDS OR ALKALI SINK SCRUB WITH DISTICHLIS SPICATA, FRANKENIA, ETC. 1-250M.

Occurrence No. 22 **Map Index:** 20319 **EO Index:** 16736
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1891-09-16
Site: 1891-09-16
Record Last Updated: 1992-03-27

Quad Summary: Rio Vista (3812126/480B)
County Summary: Solano, Sacramento

Lat/Long: 38.15872º / -121.69617º
UTM: Zone-10 N4224228 E614228
Radius: 3/5 mile
Elevation: 50 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 04N
Range: 02E
Section: 25 **Qtr:** XX
Meridian: M

Location: RIO VISTA.
General: ONLY NOTES ON HERBARIUM LABEL ARE: "EXHIBITING A TENDENCY TOWARD DIOECISM." FIELDWORK NEEDED.
Owner/Manager: UNKNOWN

Occurrence No. 26 **Map Index:** 20320 **EO Index:** 16735
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1891-07-05
Site: 1891-07-05
Record Last Updated: 1993-03-12

Quad Summary: Liberty Island (3812136/497C), Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.30674º / -121.75728º
UTM: Zone-10 N4240580 E608653
Radius: 1 mile
Elevation: 5 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02E
Section: 04 **Qtr:** XX
Meridian: M

Location: MAIN PRAIRIE.
Ecological: DAMP, BARREN SPOTS.
Threat: AG COULD THREATEN.
General: OLD HERBARIUM COLLECTION IS ONLY INFORMATION; NEEDS FIELDWORK.
Owner/Manager: PVT

Occurrence No. 49 **Map Index:** 24730 **EO Index:** 30168
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-20
Site: 2004-05-20
Record Last Updated: 2005-09-27

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22675º / -121.97162º
UTM: Zone-10 N4231474 E590010
Area: 11.7 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 04 **Qtr:** NE
Meridian: M

Location: ABOUT 1 MILE SW OF TRAVIS AFB RUNWAY; 0.2 MILE SOUTH OF JUNCTION OF HWY 12 AND SCALLY ROAD.
Location Detail: IN FIELD ON WEST SIDE OF SCALLY ROAD, JUST SOUTH OF KILLDEER ROAD.
Ecological: IN ALKALINE GRASSLAND WITH LOLIUM MULTIFLORUM, BROMUS HORDEACEUS, FRANKENIA SALINA, PARAPHOLIS INCURVA, AND SALICORNIA VIRGINICA. OTHER RARE PLANTS HERE INCLUDE: ASTRAGALUS TENER TENER, ATRIPLEX CORONATA, AND LASTHENIA CONJUGENS.
General: 100-200 PLANTS OBSERVED IN 1994, ~900 IN 2004. UNCERTAIN WHAT FULL EXTENT OF THIS OCCURRENCE IS, MAY EXTEND FARTHER OUT THAN MAPPED. 2004 OBSERVATION SAYS "APPROX 20 COLONIES WITHIN 75-ACRE SITE" BUT ACCOMPANYING MAP ONLY SHOWS A POINT.
Owner/Manager: PVT

Atriplex joaquiniana

San Joaquin spearscale

Element Code: PDCHE041F3

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: CHENOPOD SCRUB, ALKALI MEADOW, VALLEY AND FOOTHILL GRASSLAND.
Micro: IN SEASONAL ALKALI WETLANDS OR ALKALI SINK SCRUB WITH DISTICHLIS SPICATA, FRANKENIA, ETC. 1-250M.

Occurrence No. 50 **Map Index:** 35357 **EO Index:** 30167

Dates Last Seen
Element: 1996-07-17
Site: 1996-07-17
Record Last Updated: 2005-09-27

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22283º / -121.97767º
UTM: Zone-10 N4231034 E589486
Area: 4.2 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 04 **Qtr:** NE
Meridian: M

Location: EAST SIDE OF ACCESS ROAD TO POTRERO HILLS LANDFILL, ABOUT 1.5 MILES SW OF TRAVIS AFB RUNWAY.

Location Detail: IN WETLANDS ALONG THE EAST SIDE OF ROAD. IN THE SW 1/4 OF THE NE 1/4 OF SECTION 4.

Ecological: ALKALI PLAYA ADJACENT TO TIDAL SALT MARSH. SITE DOMINATED BY NONNATIVE GRASSES IN UPLANDS AND SALICORNIA SPP. IN WETLANDS. ASSOCIATED WITH POLYPOGON MONSPELIENSIS, SALICORNIA EUROPAEA, S. VIRGINICA, FRANKENIA SALINA, ET AL.

Threat: SITE IS PARTIALLY FILLED AND GRADED. POSSIBLE INVASION BY LEPIDIUM LATIFOLIUM OR SALSOLA SPP.

General: 33 PLANTS IN 1996.

Owner/Manager: PVT

Occurrence No. 57 **Map Index:** 46075 **EO Index:** 46075

Dates Last Seen
Element: 1991-07-XX
Site: 1991-07-XX
Record Last Updated: 2001-10-09

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19806º / -122.09572º
UTM: Zone-10 N4228177 E579180
Area: 17.3 acres
Elevation: 2 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02W
Section: 16 **Qtr:** XX
Meridian: M

Location: NORTH OF PELTIER SLOUGH, ABOUT 1.5 MILES WNW OF JACKSNIPE, SUISUN MARSH, SOUTHWEST OF FAIRFIELD.

General: PLANTS VERY SPARSE IN 1991. ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1991 MAP FROM PEARCY; NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Occurrence No. 59 **Map Index:** 46077 **EO Index:** 46077

Dates Last Seen
Element: 1989-08-06
Site: 1989-08-06
Record Last Updated: 2001-10-09

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.32547º / -122.01094º
UTM: Zone-10 N4242390 E586452
Radius: 1/5 mile
Elevation: 220 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01W
Section: 31 **Qtr:** XX
Meridian: M

Location: LAGOON VALLEY, ON SOUTHEAST SHORE OF LAKE, REACHED FROM LAGOON VALLEY ROAD, 0.4 MILE EAST OF INTERSTATE 80.

Location Detail: ON SOUTHEAST SHORE OF LAKE, ELEVATION 220 FEET.

Ecological: AT MARGIN OF LAKE BORDERING SCIRPUS ACUTUS MARSH.

General: PLANTS INFREQUENT IN 1989.

Owner/Manager: UNKNOWN

Atriplex joaquiniana

San Joaquin spearscale

Element Code: PDCHE041F3

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: CHENOPOD SCRUB, ALKALI MEADOW, VALLEY AND FOOTHILL GRASSLAND.
Micro: IN SEASONAL ALKALI WETLANDS OR ALKALI SINK SCRUB WITH DISTICHLIS SPICATA, FRANKENIA, ETC. 1-250M.

Occurrence No. 61 **Map Index:** 49767 **EO Index:** 49767

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-19
Site: 2004-05-19
Record Last Updated: 2005-09-27

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.20819º / -121.96202º
UTM: Zone-10 N4229424 E590874
Area: 2.2 acres
Elevation: 100 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 10 **Qtr:** NW
Meridian: M

Location: POTRERO HILLS, 1.3 AIR MILES SOUTH OF STATE HIGHWAY 12, ALONG INTERMITTENT UNNAMED STREAM.
Location Detail: TWO COLONIES MAPPED IN THE SOUTHERN HALF & SE 1/4 OF THE NW 1/4 OF SECTION 10.
Ecological: IN GRAZED NON-NATIVE GRASSLAND / ALKALI FLAT WITH LOLIUM MULTIFLORUM & HORDEUM MARINUM SSP. GUSSONEANUM DOMINANT. ASSOC: MALVELLA LEPROSA, CENTROMADIA PUNGENS, JUNCUS BUFONIUS, BROMUS HORDEACEUS, & PSILOCARPHUS SP.
Threat: GRAZING ON SITE, ACTIVE LANDFILL EXPANSION POSSIBLY THREATENS OCCURRENCE.
General: ~400 INDIVIDUALS OBSERVED IN 1998, 350-400 IN 2004.
Owner/Manager: POTRERO HILLS LANDFILL

Occurrence No. 63 **Map Index:** 10073 **EO Index:** 49793

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1892-06-18
Site: 1892-06-18
Record Last Updated: 2003-01-07

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28879º / -121.96247º
UTM: Zone-10 N4238367 E590735
Radius: 1 mile
Elevation: 80 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01W
Section: 10 **Qtr:** SW
Meridian: M

Location: NEAR THE CENTER SCHOOL, SOLANO COUNTY.
Location Detail: MAPPED IN VICINITY OF CENTER SCHOOL.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1892 COLLECTION BY UNKNOWN SOURCE. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

Occurrence No. 71 **Map Index:** 60327 **EO Index:** 60363

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-06-16
Site: 2001-06-16
Record Last Updated: 2005-03-04

Quad Summary: Saxon (3812146/497B), Davis (3812156/513C)
County Summary: Yolo

Lat/Long: 38.49860º / -121.68619º
UTM: Zone-10 N4261955 E614565
Radius: 1/10 mile
Elevation: 40 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 08N
Range: 03E
Section: 31 **Qtr:** N
Meridian: M

Location: EAST OF DAVIS, 3.5 MILES SOUTH OF I-80 ON MACE BLVD, THEN 0.5 MILE EAST ALONG ENTRANCE RD, THEN SOUTH 400 YARDS.
Location Detail: 10 YARDS WEST OF DEPARTMENT OF DEFENSE FENCE. MAPPED ACC TO COORDINATES PROVIDED IN SOURCE.
Ecological: ASSOC WITH HORDEUM, LOLIUM, BROMUS HORDEACEUS, AND PLAGIOBOTHRYS.
General: TWO PLANTS OBSERVED IN 2001.
Owner/Manager: DOD

Atriplex persistens

vernal pool smallscale

Element Code: PDCHE042P0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: VERNAL POOLS.
Micro: ALKALINE VERNAL POOLS. 10-115M.

Occurrence No. 10 **Map Index:** 36786 **EO Index:** 31783

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-10-11
Site: 1991-10-11
Record Last Updated: 1997-10-09

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26091º / -121.84223º
UTM: Zone-10 N4235398 E601289
Radius: 1/5 mile
Elevation: 25 ft

Mapping Precision NON-SPECIFIC
Symbol Type: POINT

Township: 05N
Range: 01E
Section: 23 **Qtr:** SW
Meridian: M

Location: JEPSON PRAIRIE, POPULATION WEST OF THE RR TRACKS ABOUT 1.5 MILES SOUTHWEST OF OLCOTT.

Location Detail: FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONS. EASEMENT.

Ecological: IN LARGE, PLAYA TYPE VERNAL POOL. SILTY, SLIGHTLY ALKALINE SOIL. SPARSE COVER OF DISTICHLIS SPICATA, FRANKENIA GRANDIFLORA, PSILOCARPUS BREVISSIMUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS 1991 COLLECTION BY CLIFTON AND MAP BY D. TAYLOR FROM SW1/4 SW1/4 SEC 23.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 33 **Map Index:** 24988 **EO Index:** 62433

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-07-17
Site: 1992-07-17
Record Last Updated: 2005-08-24

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25545º / -121.87042º
UTM: Zone-10 N4234761 E598830
Radius: 80 meters
Elevation: 35 ft

Mapping Precision SPECIFIC
Symbol Type: POINT

Township: 05N
Range: 01E
Section: 28 **Qtr:** NE
Meridian: M

Location: JEPSON PRAIRIE, ABOUT 1.2 MILES NORTHWEST OF CREED.

Location Detail: IN LARGE PLAYA VERNAL POOL IN THE NE 1/4 OF THE NW 1/4 OF SECTION 28.

Ecological: IN LARGE PLAYA VERNAL POOL ON SEMI-SALINE CLAY. ASSOCIATED WITH DISTICHLIS SPICATA AND FRANKENIA.

General: UNKNOWN NUMBER OF PLANTS SEEN IN 1992.

Owner/Manager: SOLANO LAND TRUST

Branchinecta conservatio

Conservancy fairy shrimp

Element Code: ICBRA03010

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: ENDEMIC TO THE GRASSLANDS OF THE NORTHERN TWO-THIRDS OF THE CENTRAL VALLEY; FOUND IN LARGE, TURBID POOLS.
Micro: INHABIT ASTATIC POOLS LOCATED IN SWALES FORMED BY OLD, BRAIDED ALLUVIUM; FILLED BY WINTER/SPRING RAINS, LAST UNTIL JUNE.

Occurrence No. 1 **Map Index:** 34153 **EO Index:** 1960

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1998-01-31
Site: 1998-01-31
Record Last Updated: 2005-06-21

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26970º / -121.84368º
UTM: Zone-10 N4236371 E601150
Area:
Elevation: 25 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01E
Section: 22 **Qtr:** XX
Meridian: M

Location: 1.8 MILES SW OF DOZIER, 2.2 MILES WNW OF HIGHWAY 113 AT CALHOUN CUT, WEST OF JEPSON PRAIRIE.

Location Detail: LOCATED ALONG PG&E/PGT UNDERGROUND GAS PIPELINE RIGHT-OF-WAY, 1992 DATA MODIFIED MAPPED AREA TO INCLUDE 2 LAKES. LEPIDURUS PACKARDI ALSO OBSERVED.

Ecological: HABITAT CONSISTS OF RESTORED VERNAL POOLS IN CENTRAL VALLEY GRASSLAND; PLAYA POOLS CONTAINING WATER INTO JUNE, WITH HIGH TURBIDITY DUE TO CONSTANT WIND CAUSING SUSPENSION OF FINE SEDIMENTS.

Threat: POSSIBLE THREATS INCLUDE OVERGRAZING, CONVERSION TO CROPLAND, DEVELOPMENT.

General: 1995: A-1: <10 OBS, 1 FEMALE DEP IN CAS(#JPA-1); PLAYAS 1/3, & 2: >1000; 1996; NUMEROUS ADULTS/JUVENILES OBS IN POOL A-1, PLAYAS 1/3 & 2. 16 POOLS CONTAINED B. CONSERVATIO, 1998. AMBYSTOMA CALIFORNIENSE & HYLA LARVAE OBS.

Owner/Manager: PVT

Occurrence No. 6 **Map Index:** 32556 **EO Index:** 1704

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1997-01-10
Site: 1997-01-10
Record Last Updated: 2006-06-20

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27069º / -121.82633º
UTM: Zone-10 N4236500 E602666
Area: 58.5 acres
Elevation: 18 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01E
Section: 23 **Qtr:** NE
Meridian: M

Location: OLCOTT LAKE, WEST OF COOK LANE & EAST OF SACRAMENTO NORTHERN RAILROAD, SW OF DOZIER.

Location Detail: ONLY NORTHERN PORTION OF LAKE WAS SURVEYED, SO ESTIMATES DO NOT REFLECT ENTIRE LAKE. FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONSERVATION EASEMENT.

Ecological: HABITAT CONSISTS OF A LARGE VERNAL POOL. LEPIDURUS PACKARDI AND ELAPHRUS VIRIDIS ALSO FOUND AT THIS SITE.

General: 1982: UNKNOWN NUMBER OBS. 1992: 2 TRANSECTS PARALLEL & W OF COOK LN FROM NORTH SIDE OF LAKE TO FENCE RUNNING THROUGH LAKE (EAST-WEST); TRANSECT #1: 53 MALES, 135 FEMALES. TRANSECT #2: 41 MALES, 66 FEMALES. ABUNDANT NUMBER OBS 10 JAN 1997.

Owner/Manager: SOLANO LAND TRUST

Branchinecta conservatio

Conservancy fairy shrimp — **Element Code:** ICBRA03010

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: ENDEMIC TO THE GRASSLANDS OF THE NORTHERN TWO-THIRDS OF THE CENTRAL VALLEY; FOUND IN LARGE, TURBID POOLS.
Micro: INHABIT ASTATIC POOLS LOCATED IN SWALES FORMED BY OLD, BRAIDED ALLUVIUM; FILLED BY WINTER/SPRING RAINS, LAST UNTIL JUNE.

Occurrence No. 11 **Map Index:** 41829 **EO Index:** 41829
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-03-11
Site: 1999-03-11
Record Last Updated: 2007-07-31

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29405º / -121.85090º
UTM: Zone-10 N4239065 E600485
Area: 19.7 acres
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 10 **Qtr:** NW
Meridian: M

Location: 1.5 MILES WEST OF HIGHWAY 113, 0.25-0.50 MILE SOUTH OF BURKE ROAD, 2 MILES WNW OF DOZIER

Ecological: SITE CONSISTS OF TWO PLAYA-TYPE VERNAL POOLS, ON PESCADERO CLAY AND/OR SOLANO LOAM SOILS; ONE POOL IS MAN-MADE, WITH A BERM AT THE SOUTH END. A SERIES OF POOLS, SWALES, AND MOUNDS ARE FOUND DOWNSLOPE. PLAYAS ARE UNVEGETATED AND VERY TURBID.

Threat: POSSIBLE THREAT FROM GRAZING (SHEEP AND CATTLE).

General: >1000 INDIVIDUALS OBSERVED ON 11 MAR 1999. SPECIMENS IN FWS COLLECTION.

Owner/Manager: PVT-BURKE RANCH

Occurrence No. 14 **Map Index:** 35356 **EO Index:** 42090
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1996-02-05
Site: 1996-02-05
Record Last Updated: 1999-12-28

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22365º / -121.97711º
UTM: Zone-10 N4231124 E589534
Area:
Elevation: 5 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 04 **Qtr:** NE
Meridian: M

Location: POTRERO HILLS LANDFILL, 0.3 MILE SOUTH OF HWY 12, ~2.2 MILES NORTH OF BELDONS LANDING, 5 MILES EAST OF FAIRFIELD.

Location Detail: DRAINAGE DITCHES AROUND PERIPHERY OF LANDFILL AREA. DITCHES RUN ALONG SOUTH SIDE OF CAPPED LANDFILL & ALONG EAST SIDE OF EMMINGTON RD. DITCHES CONNECTED TO LARGE VERNAL POOLS TO EAST. SHRIMP LIKELY WASHED ONTO SITE FROM VERNAL POOLS.

Ecological: HABITAT CONSISTS OF ARTIFICIAL DRAINAGE DITCHES, CONNECTED TO VERNAL POOLS; DITCH VEGETATION CONSISTS OF SALICORNIA SP AND TYPHA SP.

General: 10'S OF SHRIMP FOUND ALONG THE SOUTH SIDE OF CAPPED LANDFILL, 1996; CAS #106748 & #106751. AREA TO BE RESTORED TO FRESHWATER WETLANDS, PRESERVING HABITAT ON SITE. ALSO ON SITE ARE B. LYNCHI, L. PACKARDI, LASTHENIA CONJUGENS.

Owner/Manager: PVT

Occurrence No. 17 **Map Index:** 42556 **EO Index:** 42558
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 2000-03-15

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26344º / -121.83138º
UTM: Zone-10 N4235690 E602235
Radius: 2/5 mile
Elevation: 20 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 23 **Qtr:** XX
Meridian: M

Location: SEASONAL WETLANDS, 1 MILE SOUTH OF OLCOTT, JEPSON PRAIRIE, 1.5 MILES WEST OF CALHOUN CUT CROSSING BY HIGHWAY 113.

Ecological: VERNAL POOL HABITAT TYPE DESCRIBED AS CLAYPAN.

General: OBSERVED THE SPECIES IN 1992, NO NUMBERS GIVEN.

Owner/Manager: UNKNOWN

Branchinecta conservatio

Conservancy fairy shrimp — **Element Code:** ICBRA03010

Status — **NDDB Element Ranks** — **Other Lists**

Federal: Endangered — **Global:** G1 — **CDFG Status:**
State: None — **State:** S1

Habitat Associations

General: ENDEMIC TO THE GRASSLANDS OF THE NORTHERN TWO-THIRDS OF THE CENTRAL VALLEY; FOUND IN LARGE, TURBID POOLS.

Micro: INHABIT ASTATIC POOLS LOCATED IN SWALES FORMED BY OLD, BRAIDED ALLUVIUM; FILLED BY WINTER/SPRING RAINS, LAST UNTIL JUNE.

Occurrence No. 19 **Map Index:** 54520 **EO Index:** 54520

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-04-07
Site: 2003-04-07
Record Last Updated: 2004-12-13

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.43662º / -121.66998º
UTM: Zone-10 N4255098 E616078
Area: 10.3 acres
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 03E
Section: 20 **Qtr:** SW
Meridian: M

Location: ~1.4 MILES NNE OF VAUGHN RANCH, GLIDE TULE ELK RESERVE

Ecological: HABITAT CONSISTS OF A PLAYA POOL; SURROUNDING AREA GRAZED BY CATTLE. LEPIDURUS PACKARDI AND CYZICUS CALIFORNICUS ALSO FOUND AT THIS SITE.

General: "LOTS" OF INDIVIDUALS OBSERVED ON 7 APR 2003.

Owner/Manager: DPR-TULE ELK SR

Occurrence No. 20 **Map Index:** 57480 **EO Index:** 57496

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-02-XX
Site: 1993-02-XX
Record Last Updated: 2004-10-19

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27305º / -121.83453º
UTM: Zone-10 N4236753 E601945
Radius: 2/5 mile
Elevation: 20 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 14 **Qtr:** XX
Meridian: M

Location: POOLS, ACROSS RAILROAD TRACKS FROM OLCOTT LAKE.

Ecological: VERNAL POOLS.

General: NUMBER OF SPECIMENS NOT GIVEN.

Owner/Manager: UNKNOWN

Occurrence No. 23 **Map Index:** 61653 **EO Index:** 61689

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2005-06-20

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26581º / -121.87815º
UTM: Zone-10 N4235903 E598139
Area: 18.7 acres
Elevation: 32 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 21 **Qtr:** XX
Meridian: M

Location: ABOUT 3.6 MILES WSW DOZIER.

Location Detail: VERNAL POOLS #3, 10, AND 23. POOL #10 NOT SHOWN ON TOPO MAP.

Ecological: VERNAL POOL.

General: NUMBER OF INDIVIDUALS NOT RECORDED.

Owner/Manager: UNKNOWN

Branchinecta conservatio

Conservancy fairy shrimp

Element Code: ICBRA03010

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: ENDEMIC TO THE GRASSLANDS OF THE NORTHERN TWO-THIRDS OF THE CENTRAL VALLEY; FOUND IN LARGE, TURBID POOLS.
Micro: INHABIT ASTATIC POOLS LOCATED IN SWALES FORMED BY OLD, BRAIDED ALLUVIUM; FILLED BY WINTER/SPRING RAINS, LAST UNTIL JUNE.

Occurrence No. 24 **Map Index:** 61654 **EO Index:** 61690
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-03-25
Site: 2002-03-25
Record Last Updated: 2005-06-20

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25895º / -121.87197º
UTM: Zone-10 N4235149 E598690
Area: 29.5 acres
Elevation: 33 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 21 **Qtr:** XX
Meridian: M

Location: ABOUT 3.5 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNALS POOLS #4 AND 5.
Ecological: VERNAL POOLS.
General: NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Occurrence No. 25 **Map Index:** 61657 **EO Index:** 61693
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2005-06-20

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26436º / -121.86794º
UTM: Zone-10 N4235753 E599034
Area: 9.9 acres
Elevation: 34 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 21 **Qtr:** XX
Meridian: M

Location: ABOUT 3.0 MILES WSW DOZIER.
Location Detail: VERNAL POOLS #7 AND 8. POOL #8 DOES NOT SHOW ON TOPO MAP.
Ecological: VERNAL POOL.
General: NUMBER OF INDIVIDUALS NOT GIVEN.
Owner/Manager: UNKNOWN

Occurrence No. 26 **Map Index:** 61647 **EO Index:** 61694
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2005-06-20

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26016º / -121.89766º
UTM: Zone-10 N4235255 E596440
Area: 4.8 acres
Elevation: 37 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 20 **Qtr:** XX
Meridian: M

Location: ABOUT 4.6 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOL #11.
Ecological: VERNAL POOL.
General: NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Branchinecta conservatio

Conservancy fairy shrimp — **Element Code:** ICBRA03010

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: ENDEMIC TO THE GRASSLANDS OF THE NORTHERN TWO-THIRDS OF THE CENTRAL VALLEY; FOUND IN LARGE, TURBID POOLS.
Micro: INHABIT ASTATIC POOLS LOCATED IN SWALES FORMED BY OLD, BRAIDED ALLUVIUM; FILLED BY WINTER/SPRING RAINS, LAST UNTIL JUNE.

Occurrence No. 27 **Map Index:** 61659 **EO Index:** 61695
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2005-06-20

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.25734º / -121.90547º
UTM: Zone-10 N4234934 E595761
Area: 26.8 acres
Elevation: 45 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 30 **Qtr:** XX
Meridian: M

Location: ABOUT 5.0 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOLS #12 AND 13.
Ecological: VERNAL POOLS.
General: NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Occurrence No. 28 **Map Index:** 61660 **EO Index:** 61696
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2005-06-20

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.24711º / -121.88269º
UTM: Zone-10 N4233823 E597767
Area: 36.9 acres
Elevation: 36 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 29 **Qtr:** XX
Meridian: M

Location: ABOUT 4.5 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOLS #14, 16, AND 17. POOL #17 NOT SHOWN ON TOPO MAP.
Ecological: VERNAL POOL.
General: POOL #17 HAS IRREGULAR MARGIN. NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Occurrence No. 29 **Map Index:** 61661 **EO Index:** 61697
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2005-06-20

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26950º / -121.87073º
UTM: Zone-10 N4236321 E598784
Radius: 80 meters
Elevation: 35 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 21 **Qtr:** XX
Meridian: M

Location: ABOUT 3.1 MILES WEST-SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOL #25.
Ecological: VERNAL POOL.
General: NUMBER OF SPECIMENS NOT RECORDED.
Owner/Manager: UNKNOWN

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.
Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 19 **Map Index:** 33218 **EO Index:** 2649
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1995-02-17
Site: 1995-02-17
Record Last Updated: 1995-10-24

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.38399º / -121.95028º
UTM: Zone-10 N4248942 E591681
Radius: 80 meters
Elevation: 90 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01W
Section: 11 **Qtr:** XX
Meridian: M

Location: 0.75 MILE NORTH OF THE INTERSECTION OF I-80 AND I-505, NORTH OF VACAVILLE.
Location Detail: POOL #33.
Ecological: HABITAT CONSISTS OF A VERNAL POOL SURROUNDED BY ANNUAL GRASSLAND. AREA WAS DISKED ABOUT 1990.
Threat: THREATENED BY FUTURE DEVELOPMENT.
General: 1/20/1995-4 OR 5 OBSERVED, 2 MALES AND 1 FEMALE COLLECTED AND DEPOSITED AT CAS; 2/3/1995-2 ADDITIONAL FEMALES OBSERVED; 2/17/1995-6 MALES AND 2 FEMALES OBSERVED; ESTIMATED TOTAL POPULATION SIZED FOR POOL #33 WAS <50.
Owner/Manager: PVT-CHEVRON

Occurrence No. 98 **Map Index:** 32547 **EO Index:** 1752
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-02-07
Site: 1993-02-07
Record Last Updated: 1995-11-13

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.41739º / -121.85050º
UTM: Zone-10 N4252752 E600349
Area: 1.4 acres
Elevation: 60 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 07N
Range: 01E
Section: 27 **Qtr:** S
Meridian: M

Location: SW OF DIXON; IMMEDIATELY N OF MIDWAY ROAD X SOUTHERN PACIFIC RAILROAD.
Location Detail: IN RAILROAD DITCH BETWEEN RAILROAD AND ROAD.
Ecological: TURBID VERNAL POOL WITH ALGAE; RIPARIAN BRUSH; RR RIGHT-OF-WAY.
General: 20+ INDIVIDUALS OBSERVED IN POOL.
Owner/Manager: PVT-SPRR

Occurrence No. 171 **Map Index:** 33701 **EO Index:** 30601
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-01-16
Site: 1993-01-16
Record Last Updated: 1997-03-11

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.22069º / -121.83364º
UTM: Zone-10 N4230944 E602097
Radius: 3/5 mile
Elevation: 60 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01E
Section: 02 **Qtr:** XX
Meridian: M

Location: NORTHEAST OF THE INTERSECTION OF FLANNERY ROAD AND GOOSE HAVEN ROAD. NORTH OF THE MONTEZUMA HILLS.
Location Detail: VERNAL POOLS SOMEWHERE IN SECTION 2.
Ecological: NATURAL VERNAL POOLS.
General: B. LYNCHI OBSERVED IN THE 1 FEATURE INSPECTED. SUGNET RECORD #38. NO LEPIDURUS PACKARDI OBSERVED.
Owner/Manager: UNKNOWN

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.
Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 172 **Map Index:** 33702 **EO Index:** 30612
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-02-04
Site: 1993-02-04
Record Last Updated: 1997-03-20

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.39534º / -121.92462º
UTM: Zone-10 N4250227 E593907
Radius: 3/5 mile
Elevation: 80 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01W
Section: 01 **Qtr:** XX
Meridian: M

Location: NORTHEAST OF THE INTERSECTION OF LEISURE TOWN ROAD AND I-80. NORTHEAST OF VACAVILLE.
Location Detail: SEASONAL WETLANDS LOCATED SOMEWHERE IN SECTION 1.
Ecological: NATURAL SEASONAL WETLANDS.
General: B. LYNCHI OBSERVED IN THE ONE FEATURE INSPECTED. SUGNET RECORD #55. NO LEPIDURUS PACKARDI OBSERVED.
Owner/Manager: UNKNOWN

Occurrence No. 173 **Map Index:** 33703 **EO Index:** 30613
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-02-07
Site: 1993-02-07
Record Last Updated: 1997-03-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.42381º / -121.85041º
UTM: Zone-10 N4253465 E600348
Radius: 3/5 mile
Elevation: 65 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01E
Section: 27 **Qtr:** XX
Meridian: M

Location: NORTHWEST OF THE INTERSECTION OF PITT SCHOOL ROAD AND MIDWAY ROAD. SOUTHWEST OF DIXON.
Location Detail: VERNAL POOLS LOCATED SOMEWHERE IN SECTION 27.
Ecological: NATURAL VERNAL POOLS.
General: B. LYNCHI OBSERVED IN THE ONE FEATURE INSPECTED. SUGNET RECORD #54. NO LEPIDURUS PACKARDI OBSERVED.
Owner/Manager: UNKNOWN

Occurrence No. 184 **Map Index:** 35356 **EO Index:** 31380
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1996-01-22
Site: 1996-01-22
Record Last Updated: 1997-08-07

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22365º / -121.97711º
UTM: Zone-10 N4231124 E589534
Area:
Elevation: 5 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 04 **Qtr:** NE
Meridian: M

Location: POTRERO HILLS LANDFILL, 0.25 MILES SOUTH OF HWY 12, 5 MILES EAST OF FAIRFIELD.
Location Detail: SITE CONTAINS DRAINAGE DITCHES AROUND THE PERIPHERY OF THE LANDFILL AREA. THESE DITCHES RUN ALONG THE SOUTH SIDE OF THE CAPPED LANDFILL AND ALONG THE EAST SIDE OF EMMINGTON ROAD. DITCHES ARE CONNECTED TO LARGE VERNAL POOLS TO THE
Ecological: HABITAT CONSISTS OF ARTIFICIAL DRAINAGE DITCHES, CONNECTED TO VERNAL POOLS; DITCH VEGETATION CONSISTS OF SALICORNIA SP AND TYPHA SP.
General: TADPOLE SHRIMP FOUND IN THE 10'S IN THE PERIPHERY DITCHES ON 22 JAN 1996; CAS #106749.
Owner/Manager: PVT

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.
Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 218 **Map Index:** 34153 **EO Index:** 41717
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1997-12-22
Site: 1997-12-22
Record Last Updated: 2002-07-18

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26970º / -121.84368º
UTM: Zone-10 N4236371 E601150
Area:
Elevation: 25 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 22 **Qtr:** XX
Meridian: M

Location: 1.8 MILES SW OF DOZIER, 2.2 MILES WNW OF HIGHWAY 113 AT CALHOUN CUT, WEST OF JEPSON PRAIRIE.

Location Detail: LOCATED ALONG PG&E/PGT UNDERGROUND GAS PIPELINE RIGHT-OF-WAY. B. CONSERVATIO & L. PACKARDI PRESENT IN SOME CORRESPONDING POOLS.

Ecological: HABITAT CONSISTS OF RESTORED VERNAL POOLS IN CENTRAL VALLEY GRASSLAND; PLAYA POOLS CONTAINING WATER INTO JUNE, HIGH TURBIDITY; AND MODERATE-SIZED, SHALLOW VERNAL POOLS WITH LESS TURBIDITY.

Threat: POSSIBLE THREATS INCLUDE OVERGRAZING, CONVERSION TO CROPLAND, DEVELOPMENT.

General: 13 OUT OF 85 POOLS SAMPLED POOLS CONTAINED B. LYNCHI. TIGER SALAMANDER LARVA & HYLA REGILLA OBSERVED.

Owner/Manager: PVT

Occurrence No. 225 **Map Index:** 41972 **EO Index:** 41972
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1997-01-07
Site: 1997-01-07
Record Last Updated: 2004-10-28

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.40448º / -121.94018º
UTM: Zone-10 N4251226 E592536
Area:
Elevation: 95 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 07N
Range: 01W
Section: 35 **Qtr:** XX
Meridian: M

Location: BOUNDED BY I-505 (W), LEISURE TOWN ROAD (E), VACA VALLEY PARKWAY (S), AND MIDWAY ROAD (N); 2.5 MILES NE OF VACAVILLE.

Location Detail: NORTH VILLAGE PROJECT SITE, WEST OF THE SEWAGE TREATMENT PLANT

Ecological: ANNUAL GRASSLAND WITH SEASONALLY PONDED WETLANDS GRAZED BY CATTLE

Threat: GRAZING, AGRICULTURE PRACTICES, POTENTIAL DEVELOPMENT

General: LESS THAN 100 OBSERVED IN JANUARY 7 VISIT AND UNKNOWN NUMBER ON OTHER VISITS. <100 OBS. IN WETLAND #16 ON 07 JAN 1997. B. LYNCHI OCCURRED IN 26 OF 649 WETLANDS SURVEYED, AND OCCURRED W/ LINDERIELLA OCCIDENTALIS IN WETLANDS #2 AND #3.

Owner/Manager: PVT

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.
Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 234 **Map Index:** 42570 **EO Index:** 42570
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-02-03
Site: 2005-02-03
Record Last Updated: 2006-03-30

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28372º / -121.94320º
UTM: Zone-10 N4237823 E592426
Area:
Elevation: 140 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01W
Section: 14 **Qtr:** NE
Meridian: M

Location: NORTH EDGE OF TRAVIS AIR FORCE BASE, NE OF FAIRFIELD.

Location Detail: INCLUDES THE "BURKE PROPERTY" OPEN SPACE PRESERVE AREA ADJACENT TO HOUSING AREA. SITE IS PROTECTED WITH FENCING.

Ecological: HABITAT INCLUDES 3 ARTIFICIAL VERNAL POOLS/SEASONAL WETLANDS & 4 OTHER VERNAL POOLS. OTHER ASSOCIATED TAXA INCLUDE OSTRACODS, COPEPODS, CLADOCERANS, DYTISCID BEETLE LARVAE, & CHORUS FROG TADPOLES.

General: OBSERVED ON 2 MAR 1999. 100'S OBSERVED IN 2005 IN 5 VERNAL POOLS (BP35A, BP35C, BP38 & BP39A) 15 TO 37 CM DEEP.

Owner/Manager: DOD-TRAVIS AFB

Occurrence No. 245 **Map Index:** 43320 **EO Index:** 43320
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-01-XX
Site: 2003-01-XX
Record Last Updated: 2004-10-26

Quad Summary: Dozier (3812137/498D), Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.30785º / -121.87427º
UTM: Zone-10 N4240572 E598423
Area:
Elevation: 40 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 04 **Qtr:** XX
Meridian: M

Location: NORTH VILLAGE MITIGATION SITE, 2.75 MILES WEST OF HIGHWAY 113, 3.5 MILES WNW OF DOZIER, 4.2 MILES SW OF BINGHAMTON

Location Detail: WEST 1/2 SEC 4; ELEVATION FROM ~40-50 FEET. FEB 2000: B. LYNCHI FOUND IN 13 SEASONAL WETLANDS SCATTERED THROUGHOUT THE SITE. NO SHRIMP FOUND IN SWALES THAT EXPERIENCE WATER FLOW. 2002-2003: 3 POOLS, VIC SW CORNER OF HAY ROAD AND DALLY ROAD.

Ecological: HABITAT CONSISTS OF SMALL VERNAL POOLS/WETLANDS IN GRAZED GRASSLAND. MOST WETLANDS FROM 3 TO 45 CM IN DEPTH. DEEPEST WAS 70 CM. 2 MAR 1999 COLL. IN POOLS DOMINATED BY PLEUROPOGON CALIFORNICUS BUT W/HIGH COVER OF VERNAL POOL FORBS.

Threat: 1999 SITES IN AREA WHERE CATTLE AND SHEEP GRAZE.

General: SPECIES OBS., # NOT GIVEN, VOUCHER SPECIMENS DEPOSITED AT CAS, 17 & 26 FEB 2000. INDIVIDUALS OBS. IN 3 POOLS ON 4 JAN 2002; UNKNOWN # DEPOSITED AT CAS. >1000 ADULTS OBS. 2 MAR 1999. 10 ADULTS OBS. JAN 2003 (SITE 36-04).

Owner/Manager: PVT

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.
Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 313 **Map Index:** 47118 **EO Index:** 47118
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-12-21
Site: 2001-12-21
Record Last Updated: 2002-01-29

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22834º / -121.92727º
UTM: Zone-10 N4231694 E593891
Radius: 80 meters
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01W
Section: 01 **Qtr:** NW
Meridian: M

Location: 1.6 MILES WNW OF DENVERTON; 1.35 MILES (EAST) FROM INTERSECTION OF BRANSCOMBE RD AND SR 12, SOUTH SIDE OF SR 12.
Ecological: HABITAT CONSISTS OF OPEN GRASSLAND.
Threat: THREAT CONSISTS OF HIGHWAY IMPROVEMENTS.
General: UNKNOWN NUMBER OBSERVED AT POOL #52 ON 21 DEC 2001.
Owner/Manager: CALTRANS

Occurrence No. 314 **Map Index:** 47120 **EO Index:** 47120
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-12-20
Site: 2001-12-20
Record Last Updated: 2002-01-29

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.33378º / -121.82292º
UTM: Zone-10 N4243505 E602875
Radius: 80 meters
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01E
Section: 25 **Qtr:** SW
Meridian: M

Location: 1.2 MILES SOUTH OF BINGHAMPTON, 0.25 MI SOUTH OF FRY RD, & 3.3 MILES NORTH OF DOZIER, EAST SIDE OF SR 113.
Ecological: HABITAT CONSISTS OF OPEN GRASSLAND. SURROUNDING LAND USED FOR GRAZING SHEEP AND LLAMAS
Threat: THREAT CONSISTS OF HIGHWAY REALIGNMENT.
General: UNKNOWN NUMBER OBSERVED AT POOL #71 ON 20 DEC 2001.
Owner/Manager: UNKNOWN

Occurrence No. 328 **Map Index:** 48477 **EO Index:** 48477
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-06
Site: 2002-04-03
Record Last Updated: 2002-08-07

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.43560º / -121.68267º
UTM: Zone-10 N4254969 E614972
Area: 40.9 acres
Elevation: 15 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 07N
Range: 03E
Section: 19 **Qtr:** XX
Meridian: M

Location: SAXON; 1.2 TO 1.9 MILES ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD 106.
Location Detail: SITE NUMBERS 51-04 AND 51-06, ADJACENT TO EAST SIDE OF RAILROAD GRADE.
Ecological: HABITAT CONSISTS OF 2 LARGE, SHALLOW, NATURAL VERNAL POOLS. WHEN FULL, THE POOLS OVERFLOW INTO A DRAINAGE DITCH ON SE SIDE OF RAILROAD GRADE. SURROUNDING AREA IS A CATTLE GRAZED GRASSLAND. HYLA REGILLA IN VICINITY.
General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 23 & 24 JAN 2002 & 6 FEB 2002.
Owner/Manager: UNKNOWN, PVT

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.
Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 330 **Map Index:** 48425 **EO Index:** 48425
Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-01-14
Site: 2002-04-02
Record Last Updated: 2002-08-02

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.32587º / -121.78096º
UTM: Zone-10 N4242675 E606555
Radius: 80 meters
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 32 **Qtr:** NW
Meridian: M

Location: 3.4 MILES NE OF DOZIER; ALONG EAST SIDE OF ABANDONED SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.

Location Detail: SITE 42-01; BETWEEN ROBBEN ROAD AND MAINE PRAIRIE ROAD.

Ecological: HABITAT CONSISTS OF A 700 FT LONG, SHALLOW, UNVEGETATED SEASONALLY PONDED DEPRESSION LOCATED ALONG GRADE. GRADE USED AS DIRT ACCESS ROAD AND IS HIGHLY DISTURBED. LINDERIELLA OCCIDENTALIS ALSO PRESENT.

Threat: THREATS INCLUDE DISKING, AGRICULTURE AND VEHICULAR TRAFFIC.

General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 14 JAN 2002. UNKNOWN NUMBER COLLECTED, BUT NOT YET ACCESSIONED AT CAL ACADEMY OF SCIENCES.

Owner/Manager: UNKNOWN

Occurrence No. 331 **Map Index:** 48443 **EO Index:** 48443
Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-01-24
Site: 2002-01-24
Record Last Updated: 2002-08-05

Quad Summary: Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.26374º / -122.00747º
UTM: Zone-10 N4235544 E586829
Area: 7.2 acres
Elevation: 40 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01W
Section: 19 **Qtr:** SE
Meridian: M

Location: TOLENAS; APPROX 960 FT SW (ALONG RAILROAD AVE) FROM THE INTERSECTION OF RAILROAD AVE AND TABOR AVE.

Location Detail: SITE 26-05 IS SITUATED BETWEEN RAILROAD TRACKS AND RAILROAD AVE.

Ecological: HABITAT CONSISTS OF A SEASONALLY PONDED DEPRESSION IN A RAILROAD BORROW PIT. AREA IS SURROUNDED BY SUBURBAN/COMMERCIAL DEVELOPMENT, RAILROAD TRACKS AND ROADWAY.

General: UNKNOWN NUMBER OBSERVED 28 DEC 2001 AND 9, 24 JAN 2002. COLLECTION MADE BUT NOT YET ACCESSIONED AT CAL. ACADEMY OF SCIENCES.

Owner/Manager: UNKNOWN

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.
Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 332 **Map Index:** 48476 **EO Index:** 48476
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-03-05
Site: 2002-04-02
Record Last Updated: 2002-08-07

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.39340º / -121.72014º
UTM: Zone-10 N4250240 E611767
Area: 72.5 acres
Elevation: 20 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 06N
Range: 02E
Section: 02 **Qtr:** XX
Meridian: M

Location: SOUTH OF LIBFARM; 0.1 TO 1.15 MILES SW KING RD ALONG SE SIDE OF ABANDONED SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.

Location Detail: SITES NUMBERS 47-06 AND 48-11.

Ecological: HABITAT CONSISTS OF 2 LONG, NARROW, SEASONALLY PONDED DITCHES IN A GRASSLAND ALONG GRADE. SURROUNDING AREA USED FOR CATTLE GRAZING. LINDERIELLA OCCIDENTALIS, HYLA REGILLA AND CYZICUS CALIFORNICUS PRESENT IN VICINITY.

General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 24 JAN 2002 & 6, 7 & 21 FEB 2002

Owner/Manager: UNKNOWN

Occurrence No. 333 **Map Index:** 48478 **EO Index:** 48478
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-06
Site: 2002-04-02
Record Last Updated: 2002-08-07

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.44536º / -121.67336º
UTM: Zone-10 N4256063 E615769
Area: 20.9 acres
Elevation: 15 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 07N
Range: 03E
Section: 17 **Qtr:** SW
Meridian: M

Location: 3 MILES NE OF YOLANO; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD 38.

Location Detail: SITE NUMBERS 52-10F, 52-10E, 52-10, 52-10B AND 52-10C; SE SIDE OF RAILROAD GRADE.

Ecological: HABITAT CONSISTS OF 5 POOLS IN A VERNAL POOL COMPLEX LOCATED PRIMARILY AROUND DITCHES & THE EDGES OF BERMS. NATURAL TOPOGRAPHY IS MOSTLY ABSENT. LEPIDURUS PACKARDI, BRANCHINECTA MESOVALLENSIS & LINDERIELLA OCCIDENTALIS ALSO IN VICINITY.

General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 11 & 23 JAN 2002 AND 5 & 6 FEB 2002. SURROUNDING LAND IS USED FOR GRAZING CATTLE.

Owner/Manager: DFG-YOLO BYPASS WA

Occurrence No. 340 **Map Index:** 48493 **EO Index:** 48493
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-07
Site: 2002-04-02
Record Last Updated: 2002-08-07

Quad Summary: Liberty Island (3812136/497C), Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.37617º / -121.73554º
UTM: Zone-10 N4248310 E610448
Area: 26.6 acres
Elevation: 20 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 06N
Range: 02E
Section: 10 **Qtr:** SE
Meridian: M

Location: 2 MILES SW OF LIBFARM; 1.9 TO 2.45 MILES SW FROM KING ROAD ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.

Location Detail: SITE NUMBERS 45-05, 45-13, 46-04, 46-06 AND 46-07; BETWEEN DELHI ROAD AND ETZEL ROAD.

Ecological: HABITAT CONSISTS OF 5 SEASONALLY PONDED DEPRESSIONS (SOME ON ELEVATED GRADIENT, OTHERS IN BORROW PITS) ALONG RAILROAD GRADE. RAILROAD CORRIDOR HAS REVERTED TO A GRASSLAND. AREA SURROUNDING RAILROAD GRADE IS UNDER AGRICULTURAL PRODUCTION.

Threat: THREATS CONSISTS OF GRAZING OF SHEEP ALONG RAILROAD GRADE AND PRESENCE OF CRAYFISH.

General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 14, 23 JAN 2002; 7 FEB 2002. LINDERIELLA OCCIDENTALIS IN VICINITY.

Owner/Manager: UNKNOWN

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.
Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 356 **Map Index:** 54516 **EO Index:** 54516
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-03-02
Site: 1999-03-02
Record Last Updated: 2007-07-31

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29338º / -121.84931º
UTM: Zone-10 N4238994 E600625
Radius: 80 meters
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 10 **Qtr:** NE
Meridian: M

Location: 2 MILES SW OF THE INTERSECTION OF HAY ROAD AND HIGHWAY 113, SOUTH OF DIXON

Ecological: HABITAT CONSISTS OF A RELATIVELY LARGE, BUT SHALLOW, VERNAL POOL ON ANTIOCH-SAN YSIDRO COMPLEX OR SAN YSIDRO COMPLEX SOILS; DOMINATED BY PLEUROPOGON CALIFORNICUS. GRAZED BY CATTLE & SHEEP. BRANCHINECTA CONSERVATIO ALSO FOUND IN SECTION 10

General: A FEW REPRODUCTIVE ADULTS NETTED ON 2 MAR 1999.

Owner/Manager: PVT-BURKE RANCH

Occurrence No. 357 **Map Index:** 54517 **EO Index:** 54517
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-03-02
Site: 1999-03-02
Record Last Updated: 2007-07-31

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.30077º / -121.85071º
UTM: Zone-10 N4239812 E600492
Radius: 80 meters
Elevation: 35 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 03 **Qtr:** SW
Meridian: M

Location: 1.8 MILES WSW OF THE INTERSECTION OF HAY ROAD AND HIGHWAY 113, SOUTH OF DIXON

Ecological: HABITAT CONSISTS OF A RELATIVELY LARGE, BUT SHALLOW, VERNAL POOL ON ANTIOCH-SAN YSIDRO COMPLEX OR SAN YSIDRO COMPLEX SOILS; DOMINATED BY PLEUROPOGON CALIFORNICUS. GRAZED BY CATTLE AND SHEEP. BRANCHINECTA CONSERVATIO FOUND IN SECTION 10.

General: AN ABUNDANT NUMBER OF REPRODUCTIVE ADULTS NETTED ON 2 MAR 1999.

Owner/Manager: PVT-BURKE RANCH

Occurrence No. 358 **Map Index:** 54518 **EO Index:** 54518
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-03-02
Site: 1999-03-02
Record Last Updated: 2007-07-31

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.30364º / -121.84948º
UTM: Zone-10 N4240132 E600595
Radius: 80 meters
Elevation: 35 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 03 **Qtr:** SE
Meridian: M

Location: 1.6 MILES WSW OF THE INTERSECTION OF HAY ROAD AND HIGHWAY 113, SOUTH OF DIXON

Ecological: HABITAT CONSISTS OF A RELATIVELY LARGE, BUT SHALLOW, VERNAL POOL ON ANTIOCH-SAN YSIDRO COMPLEX OR SAN YSIDRO COMPLEX SOILS; DOMINATED BY PLEUROPOGON CALIFORNICUS. GRAZED BY CATTLE AND SHEEP. BRANCHINECTA CONSERVATIO FOUND IN SECTION 10.

General: AN ABUNDANT NUMBER OF REPRODUCTIVE ADULTS NETTED ON 2 MAR 1999.

Owner/Manager: PVT-BURKE RANCH

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.
Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 385 **Map Index:** 61662 **EO Index:** 61698
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2006-03-08

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.24794º / -121.90775º
UTM: Zone-10 N4233889 E595573
Radius: 1/10 mile
Elevation: 42 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 30 **Qtr:** XX
Meridian: M

Location: ABOUT 5.5 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOL #20; "SMALL POOL TO WEST OF LARGE #31 POOL."
Ecological: VERNAL POOL.
General: NUMBER OF INDIVIDUALS NOT RECORDED. POOL #31 NOT SHOWN ON SOURCE MAP.
Owner/Manager: UNKNOWN

Occurrence No. 398 **Map Index:** 64296 **EO Index:** 64375
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-02-03
Site: 2005-02-03
Record Last Updated: 2006-03-20

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.27317º / -121.91232º
UTM: Zone-10 N4236684 E595141
Radius: 80 meters
Elevation: 60 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 18 **Qtr:** XX
Meridian: M

Location: AT THE END OF MERIDIAN ROAD, ON THE EAST SIDE, SOUTH OF PERIMETER ROAD. ONE MILE EAST OF TRAVIS FIELD.
Ecological: LARGE, DEEP VERNAL POOL WITH VEGETATED BOTTOM AND CLEAR WATER. POOL IN ANNUAL GRASSLAND NEAR RUNWAY.
General: 10S OF INDIVIDUALS COLLECTED & DEPOSITED IN LACM. GRASSLAND AREA IS MOWED, BUT NO VISIBLE DISTURBANCE TO VERNAL POOL NOTED.
Owner/Manager: DOD-TRAVIS AFB

Occurrence No. 399 **Map Index:** 64297 **EO Index:** 64376
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-02-02
Site: 2005-02-02
Record Last Updated: 2006-03-20

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26211º / -121.96138º
UTM: Zone-10 N4235407 E590863
Radius: 2/5 mile
Elevation: 75 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01W
Section: 22 **Qtr:** XX
Meridian: M

Location: ABOUT 0.5 MILE WEST OF TRAVIS AFB.
Location Detail: 1.25 MILES EAST OF WALTERS ROAD AND 0.8 MILES SOUTH OF AIRBASE PARKWAY.
Ecological: VERNAL POOL IN GRAZED ANNUAL GRASSLAND HABITAT; CLADOCERANS, COPEPODS, OSTRACODS & CHORUS FROG TADPOLES PRESENT. CLEAR WATER WITH VEGETATED BOTTOM.
General: FEWER THAN 10 INDIVIDUALS OBSERVED IN 5 POOLS. HUNDREDS OBSERVED IN 1 POOL & A DITCH ALONG RR TRACKS.
Owner/Manager: DOD-TRAVIS AFB

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.
Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 409 **Map Index:** 64320 **EO Index:** 64398
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-12-29
Site: 2004-12-29
Record Last Updated: 2006-06-20

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28534º / -121.91660º
UTM: Zone-10 N4238030 E594751
Area: 9.1 acres
Elevation: 60 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01W
Section: 13 **Qtr:** NE
Meridian: M

Location: TRAVIS AFB, AT INTERSECTION OF MERIDIAN ROAD AND RAILROAD TRACKS, AND IN POOL SW OF INTERSECTION.

Ecological: PONDED AREA IN RAILROAD RIGHT-OF-WAY, SHALLOW TURBID POOL, UNVEGETATED. SURROUNDING AREA IS ANNUAL GRASSLAND/VERNAL POOL HABITAT.

Threat: OFF-ROAD VEHICLE ACTIVITY, GRAZING, DEVELOPMENT.

General: FEWER THAN 10 ADULTS OBSERVED AT INTERSECTION; 10'S IN POOL SW OF INTERSECTION.

Owner/Manager: PVT

Branchinecta mesovallensis

midvalley fairy shrimp

Element Code: ICBRA03150

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: VERNAL POOLS IN THE CENTRAL VALLEY.
Micro:

Occurrence No. 25 **Map Index:** 48246 **EO Index:** 48246

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-04-03
Site: 1991-04-03
Record Last Updated: 2002-07-15

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.23537º / -121.85192º
UTM: Zone-10 N4232553 E600476
Area:
Elevation: 40 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01E
Section: 34 **Qtr:** XX
Meridian: M

Location: WEST OF HAVEN ROAD, SOUTH OF CREED ROAD, 2-3 MILES WEST OF HWY 113.
Location Detail: LOCATION IDENTIFIED TO TOWNSHIP, RANGE AND SECTION ONLY.
Ecological: VERNAL POOLS
General: DENTON BELK COLLECTION # 1001 & 1002 COLLECTED BY J. GEOFF MONK 3 APR 1991.
Owner/Manager: UNKNOWN

Occurrence No. 31 **Map Index:** 48327 **EO Index:** 48327

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-03-05
Site: 1999-03-05
Record Last Updated: 2007-07-31

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.28160º / -121.82820º
UTM: Zone-10 N4237709 E602487
Area:
Elevation: 15 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01E
Section: 14 **Qtr:** NE
Meridian: M

Location: CAMPBELL RANCH; 1.2 MILES WSW OF DOZIER.
Location Detail: LOCATION OF 1999 OBSERVATION STATED AS CAMPBELL RANCH, SECTION 14.
Ecological: VERNAL POOLS
General: MAR 1994: DENTON BELK COLLECTION, #1293-1296; UNKNOWN NUMBER OF INDIVIDUALS COLLECTED BY R. PRESTON. 9 MALES AND 9 FEMALES CAPTURED ON 5 MAR 1999..
Owner/Manager: UNKNOWN

Occurrence No. 32 **Map Index:** 48328 **EO Index:** 48328

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-02-21
Site: 1994-02-21
Record Last Updated: 2002-07-22

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35901º / -121.83011º
UTM: Zone-10 N4246296 E602212
Radius: 2/5 mile
Elevation: 40 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 06N
Range: 01E
Section: 14 **Qtr:** SE
Meridian: M

Location: 6 MILES SOUTH OF DIXON, WEST OF HWY 113.
Ecological: VERNAL POOL
General: 21 FEB 1994: DENTON BELK COLLECTION # 1290; UNKNOWN NUMBER OF INDIVIDUALS COLLECTED BY GIBSON AND SKORDAL.
Owner/Manager: UNKNOWN

Branchinecta mesovallensis

midvalley fairy shrimp

Element Code: ICBRA03150

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: VERNAL POOLS IN THE CENTRAL VALLEY.
Micro:

Occurrence No. 34 **Map Index:** 48330 **EO Index:** 48330

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-02-04
Site: 1993-02-04
Record Last Updated: 2002-07-22

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.31455º / -121.85117º
UTM: Zone-10 N4241340 E600433
Radius: 1/10 mile
Elevation: 40 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 03 **Qtr:** XX
Meridian: M

Location: INTERSECTION OF HAY ROAD AND BURKE ROAD. 1.5 MILES WEST OF HWY 113. ABOUT 3.85 MILES SE OF ELMIRA

Location Detail: LOCATION GIVEN AS "SOUTHWEST CORNER OF HAY RD & BURKE RD, ELMIRA, SOLANO CO., CALIF T6N, R5E, SEC. 3 NE 1/4". THE TOWNSHIP & RANGE NUMBERS DON'T MATCH ROAD INFORMATION. MAPPED TO INCLUDE AREA SW & SE OF INTERSECT OF HAY RD & BURKE RD.

Ecological: DITCH

General: 4 FEB 1993: DENTON BELK COLLECTION # 1297; UNKNOWN NUMBER OF INDIVIDUALS COLLECTED BY DAVID MUTH.

Owner/Manager: UNKNOWN

Occurrence No. 47 **Map Index:** 48373 **EO Index:** 48373

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: XXXX-XX-XX
Site: XXXX-XX-XX
Record Last Updated: 2002-07-25

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.15318º / -121.85475º
UTM: Zone-10 N4223430 E600341
Radius: 1/10 mile
Elevation: 180 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 01E
Section: 34 **Qtr:** NW
Meridian: M

Location: 1.7 MILES NE OF BIRDS LANDING ON OLSEN ROAD. JUST SOUTH OF OLSEN RD AND HOPKINS RAVINE.

General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED/COLLECTED AT SITE #007 ON AN UNKNOWN DATE. LOCATION INFORMATION OBTAINED FROM VARIOUS SOURCES.

Owner/Manager: UNKNOWN

Occurrence No. 50 **Map Index:** 48377 **EO Index:** 48377

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: XXXX-XX-XX
Site: XXXX-XX-XX
Record Last Updated: 2002-07-26

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.28271º / -121.83692º
UTM: Zone-10 N4237823 E601723
Area: 27.6 acres
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 14 **Qtr:** NW
Meridian: M

Location: 0.5 TO 1.0 MILE WSW OF DOZIER; SITUATED BETWEEN TWO CREEKS THAT FLOW INTO BARKER SLOUGH.

General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED/COLLECTED AT SITES # 009, 010, 011 AND 012 ON AN UNKNOWN DATE. LOCATION INFORMATION OBTAINED FROM VARIOUS SOURCES.

Owner/Manager: UNKNOWN

Branchinecta mesovallensis

midvalley fairy shrimp

Element Code: ICBRA03150

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: VERNAL POOLS IN THE CENTRAL VALLEY.
Micro:

Occurrence No. 51 **Map Index:** 48378 **EO Index:** 48378

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: XXXX-XX-XX
Site: XXXX-XX-XX
Record Last Updated: 2002-07-26

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26381º / -121.82311º
UTM: Zone-10 N4235740 E602958
Radius: 80 meters
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 24 **Qtr:** NW
Meridian: M

Location: 1.5 MILES SOUTH OF DOZIER; APPROXIMATELY 200 FT EAST OF UNIMPROVED ROAD.

General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED/COLLECTED AT SITE #028 ON AN UNKNOWN DATE. LOCATION INFORMATION OBTAINED FROM VARIOUS SOURCES.

Owner/Manager: UNKNOWN

Occurrence No. 52 **Map Index:** 48423 **EO Index:** 48423

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-01-11
Site: 2002-04-01
Record Last Updated: 2002-08-01

Quad Summary: Elmira (3812138/498C), Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.31512º / -121.87625º
UTM: Zone-10 N4241376 E598239
Radius: 80 meters
Elevation: 45 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 04 **Qtr:** NW
Meridian: M

Location: 4.5 MILES NE OF TRAVIS FIELD; 2.1 MILES EAST ON HAY ROAD (SOUTH SIDE) FROM MERIDIAN ROAD, 1900 FT WEST OF DULLY ROAD.

Location Detail: POOL #36-21

Ecological: HABITAT CONSISTS OF A SHALLOW, SHORT-LIVED VERNAL POOL IN A GRASSLAND GRAZED BY CATTLE. POOL IS ON NORTH EDGE OF A COMPLEX OF SIMILAR POOLS THAT ARE CONTIGUOUS WITH VERNAL POOL HABITAT TO SOUTH & SOUTHEAST. BRANCHINECTA LYNCHI IN VICINITY

Threat: THREATS CONSIST OF THE FUTURE WIDENING OF HAY ROAD (ALTHOUGH NOT CURRENTLY PROPOSED).

General: UNKNOWN NUMBER OBSERVED ON 11 JAN 2002. UNKNOWN NUMBER COLLECTED BUT NOT YET ACCESSIONED AT CAL ACADEMY OF SCIENCES.

Owner/Manager: PVT

Occurrence No. 53 **Map Index:** 48498 **EO Index:** 48498

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-06
Site: 2002-02-06
Record Last Updated: 2002-08-08

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.44605º / -121.67314º
UTM: Zone-10 N4256140 E615787
Area: 27.5 acres
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 03E
Section: 17 **Qtr:** SE
Meridian: M

Location: 1.6 MILES SW OF SAXON; 1 TO 1.3 MILES SW ALONG THE NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD 38.

Location Detail: SITE NUMBERS 52-10, 52-10B, 52-10C, 52-10G, 52-10H AND 52-24; EAST SIDE OF RAILROAD GRADE.

Ecological: HABITAT CONSISTS OF SHALLOW SHORT-LIVED POOLS IN A CATTLE GRAZED GRASSLAND. POOLS OCCUR NEAR ARTIFICIALLY CONSTRUCTED BERMS. NATURAL TOPOGRAPHY MAINLY ABSENT. BRANCHINECTA LYNCHI, LEPIDURUS PACKARDI & LINDERIELLA OCCIDENTALIS IN COMPLEX.

General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 11, 23 JAN 2002 AND 6 FEB 2002.

Owner/Manager: DFG

Branchinecta mesovallensis

midvalley fairy shrimp

Element Code: ICBRA03150

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: VERNAL POOLS IN THE CENTRAL VALLEY.
Micro:

Occurrence No. 58 **Map Index:** 51552 **EO Index:** 51552

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-01-XX
Site: 2003-01-XX
Record Last Updated: 2003-06-16

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.45404º / -121.66678º
UTM: Zone-10 N4257035 E616330
Radius: 80 meters
Elevation: 15 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 07N
Range: 03E
Section: 17 **Qtr:** NW
Meridian: M

Location: JUST NW OF THE OLD SACRAMENTO NORTHERN RAILROAD.

Location Detail: POOLS FILLED WITH WATER DURING THE HEAVY RAINS OF DECEMBER 2002 AND WERE DRY BY MID-FEBRUARY

Ecological: HABITAT CONSISTS OF TWO SHALLOW VERNAL POOLS IN GRAZED NON-NATIVE GRASSLAND. CYZICUS CALIFORNICUS FOUND IN POOL #52-06A; LINDERIELLA AND BRANCHINECTA LYNCHI ALSO OCCUR IN NEARBY POOLS.

General: FEW INDIVIDUALS OBSERVED IN JAN 2003.

Owner/Manager: DFG-YOLO BYPASS WA

Buteo regalis

ferruginous hawk

Element Code: ABNKC19120

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S3S4

Other Lists
CDFG Status:

Habitat Associations
General: OPEN GRASSLANDS, SAGEBRUSH FLATS, DESERT SCRUB, LOW FOOTHILLS & FRINGES OF PINYON-JUNIPER HABITATS.
Micro: EATS MOSTLY LAGOMORPHS, GROUND SQUIRRELS, AND MICE. POPULATION TRENDS MAY FOLLOW LAGOMORPH POPULATION CYCLES.

Occurrence No. 22 **Map Index:** 66013 **EO Index:** 66092

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1996-01-26
Site: 1996-01-26
Record Last Updated: 2006-08-23

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.20631º / -121.98320º
UTM: Zone-10 N4229194 E589022
Radius: 80 meters
Elevation: 100 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 04N
Range: 01W
Section: 09 **Qtr:** SW
Meridian: M

Location: 3.8 MI SE OF SUISIN CITY, 2 MI ESE OF SUISIN HILL, POTRERO HILLS.
Ecological: NON-NATIVE GRASSLAND WITH SCATTERED GROVES OF EUCALYPTUS. SUISIN MARSH WETLANDS NEARBY.
General: WINTERING SITE. 1 ADULT OBSERVED ON 26 JAN 1996.
Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 121 **Map Index:** 10966 **EO Index:** 27185
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1984-06-26
Site: 1984-06-26
Record Last Updated: 1989-08-10

Quad Summary: Isleton (3812125/480A), Rio Vista (3812126/480B)
County Summary: Solano, Sacramento

Lat/Long: 38.19463º / -121.61468º
UTM: Zone-10 N4228317 E621308
Radius: 1 mile
Elevation: 5 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 03E
Section: 14 **Qtr:** XX
Meridian: M

Location: 1 MILE SOUTH OF WALKER LANDING, ON GRAND ISLAND ROAD, EAST OF STEAMBOAT SLOUGH
Ecological: HABITAT CONSISTS OF GOOD RIPARIAN.
General: DFG SWHA #SA020. OBSERVED FROM 2 DIFFERENT LOCATIONS W/IN THIS AREA. NEST FOUND IN 1983. 1 ADULT OBS PERCHING 1984.
Owner/Manager: PVT

Occurrence No. 311 **Map Index:** 21029 **EO Index:** 9168
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-29
Site: 2005-07-29
Record Last Updated: 2007-07-03

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.45660º / -121.74697º
UTM: Zone-10 N4257221 E609328
Area: 7.0 acres
Elevation: 40 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 02E
Section: 15 **Qtr:** NW
Meridian: M

Location: 2.75 MILES NORTH OF MIDWAY ROAD, 8 MILES EAST OF DIXON.
Location Detail: 1992, 2000, AND 2001 FINAL NEST WERE LOCATED IN A EUCALYPTUS TREE ADJACENT TO A RURAL FARM HOUSE. 2002, 2004, AND 2005 NEST LOCATED IN A LARGE LOCUST IN THE NE PART OF THE FARMSTEAD.
Ecological: NEST TREE IS A LOCUST; SURROUNDING FORAGING HABITAT CONSISTS OF CULTIVATED LAND IN ALL DIRECTIONS.
General: NEST-BUILDING 7 APR 1992. ADULTS FEEDING 2 DOWNY CHICKS 8 JUN 2000. 1 FLEDGED IN 2001. INCUBATION OBSERVED 9 MAY 2002. DEAD DOWNY CHICK FOUND UNDER NEST 13 JUL 2004. NEST MONITORED 23 APR-29 JUL 2005; 2 FLEDGED.
Owner/Manager: PVT

Occurrence No. 314 **Map Index:** 21026 **EO Index:** 10011
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Decreasing

Dates Last Seen
Element: 1990-XX-XX
Site: 1992-04-07
Record Last Updated: 2001-03-28

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.43847º / -121.75959º
UTM: Zone-10 N4255194 E608255
Radius: 80 meters
Elevation: 45 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 21 **Qtr:** NW
Meridian: M

Location: 1.7 MILES SE OF TREMONT SCHOOL, 3 MILES EAST OF DIXON
Location Detail: BIRDS OBSERVED FORAGING OVER A NEARBY, FRESHLY-CUT, ALFALFA FIELD IN 1992.
Ecological: HABITAT SURROUNDING NEST TREE CONSISTS OF IRRIGATED ALFALFA FIELDS.
General: NEST SITE WAS ACTIVE IN 1990, BUT NOT IN 1991 OR 1992; HOWEVER, A PAIR WAS OBSERVED FORAGING IN 1992.
Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 316 **Map Index:** 21024 **EO Index:** 9021
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-05-18
Site: 1990-05-18
Record Last Updated: 2007-12-07

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.32445º / -121.92358º
UTM: Zone-10 N4242362 E594090
Radius: 1/5 mile
Elevation: 70 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01W
Section: 36 **Qtr:** NE
Meridian: M

Location: CYPRESS LAKES GOLF COURSE, 3 MILES SE OF VACAVILLE.

Ecological: NEST TREE IS A EUCALYPTUS; SURROUNDED BY A MILITARY-OWNED GOLF COURSE.

General: NEST SITE WAS ALSO USED IN 1989. 2 ADULTS AND 2 NESTLINGS WERE FIRST OBSERVED ON 1 APR 1990, THEN AGAIN ON 6 MAY AND 18 MAY 1990.

Owner/Manager: PVT-CYPRESS LAKES GOLF COURSE

Occurrence No. 388 **Map Index:** 21227 **EO Index:** 14113
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Decreasing

Dates Last Seen
Element: 2002-07-18
Site: 2002-XX-XX
Record Last Updated: 2007-11-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.48936º / -121.84881º
UTM: Zone-10 N4260740 E600397
Radius: 80 meters
Elevation: 80 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 03 **Qtr:** NE
Meridian: M

Location: SOUTH SIDE OF SIEVERS ROAD, 0.3 MILE EAST OF STEVENSON BRIDGE ROAD, 2.5 MILES NNW OF DIXON.

Location Detail: NEST TREE IS LOCATED AT THE FARMSTEAD AT 6212 KIEVERNAGEL. NEST LOCATED 10' BELOW THE TOP OF THE TRUNK ANGLING OVER THE EASTBOUND LANE.

Ecological: NEST TREE WAS A LARGE BLACK WALNUT; SURROUNDED BY WALNUT ORCHARDS TO THE SOUTH AND CORN TO THE NORTH. NEST TREE WAS COMPLETELY REMOVED AFTER THE 2002 NESTING SEASON.

General: APR 1992: ADULTS NESTING; JUN 1992: 1 AD/3 DOWNY YOUNG OBSERVED IN THE NEST. NEST MONITORED 5 JUN-2 AUG 2000; 2 CHICKS, 1 FLEDGED. NEST MONITORED 9 APR-20 JUL 2001; 1 FLEDGED. NEST MONITORED 2 APR-18 JUL 2002; 1 FLEDGED.

Owner/Manager: SOL COUNTY

Occurrence No. 389 **Map Index:** 21236 **EO Index:** 14112
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Decreasing

Dates Last Seen
Element: 1992-05-19
Site: 2000-XX-XX
Record Last Updated: 2001-03-28

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.48461º / -121.80326º
UTM: Zone-10 N4260264 E604377
Radius: 80 meters
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 06 **Qtr:** NW
Meridian: M

Location: 0.25 MILE SOUTH OF THE JUNCTION OF PEDRICK ROAD AND I-80, 2.75 MILES NNE OF DIXON

Ecological: NEST TREE IS AN ALMOND TREE ON THE NORTH SIDE OF A FARM RESIDENCE AREA; SURROUNDING HABITAT IS IRRIGATED AGRICULTURE, INCLUDING ALFALFA AND OTHER CROPS.

Threat: POSSIBLY THREATENED BY DEVELOPMENT.

General: NESTING OBSERVED ON 19 MAY 1992; BOTH BIRDS WERE INTERMEDIATE PHASE IN COLORATION. ALL TREES AND BUILDINGS AT THIS FARMSTEAD WERE REMOVED PRIOR TO THE 2000 BREEDING SEASON.

Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 390 **Map Index:** 21235 **EO Index:** 16410
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 2000-07-30
Site: 2005-07-16
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.40705º / -121.80348º
UTM: Zone-10 N4251657 E604469
Radius: 80 meters
Elevation: 40 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 31 **Qtr:** SW
Meridian: M

Location: 0.7 MILE SOUTH OF THE JUNCTION OF PEDRICK ROAD AND MIDWAY ROAD, 3 MILES SSE OF DIXON

Location Detail: THIS PAIR ALTERNATELY USED TWO NEST TREES IN THE 1990'S: A LOCUST NE OF FARM RESIDENCE AND A DEAD EUCALYPTUS SOUTH OF THE RESIDENCE.

Ecological: 2000 NEST TREE WAS A LOCUST; SURROUNDED BY ALFALFA TO THE EAST AND NORTH, CULTIVATED LAND TO THE WEST.

Threat: POSSIBLE THREAT OF TREE REMOVAL (EUCALYPTUS TREE IS DEAD).

General: BIRD ON NEST IN A DEAD EUCALYPTUS TREE, 20 APR 1992; 19 MAY 1992, 2 BIRDS IN LOCUST TREE (W/NEST). 1 JUV OBSERVED IN EUCALYPTUS NEST, 23 JUL 1996. NEST MONITORED 23 JUN-30 JUL 2000; NO YOUNG SEEN. UNOCCUPIED IN 2001, 2002, 2004, AND 2005.

Owner/Manager: PVT

Occurrence No. 506 **Map Index:** 23054 **EO Index:** 18048
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-06-17
Site: 1992-06-17
Record Last Updated: 1993-04-19

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.48150º / -121.84992º
UTM: Zone-10 N4259867 E600311
Radius: 1/5 mile
Elevation: 80 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 03 **Qtr:** SE
Meridian: M

Location: SOUTH SIDE OF SIEVERS ROAD, 0.4 MILE EAST OF STEVENSON BRIDGE ROAD, 2 MILES NW OF DIXON.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTS OF IRRIGATED AGRICULTURAL LAND.

Threat: THREATENED BY TREE REMOVAL AND DEVELOPMENT BY THE TOWN OF DIXON.

General: DFG SWHA #SO002. 2 ADULTS OBSERVED FORAGING IN THE AREA AND LANDING AT A NEST ON 20 APRIL 1992; ON 17 JUNE 1992, ONE ADULT OBSERVED STANDING ON NEST EDGE AND 3 DOWNY YOUNG (APPROXIMATELY 2-WEEKS-OLD) INSIDE NEST.

Owner/Manager: UNKNOWN

Occurrence No. 569 **Map Index:** 23535 **EO Index:** 21528
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-08
Site: 2005-08-08
Record Last Updated: 2007-06-21

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.34684º / -121.88263º
UTM: Zone-10 N4244889 E597639
Area: 9.0 acres
Elevation: 50 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 06N
Range: 01E
Section: 20 **Qtr:** SE
Meridian: M

Location: DALLY MAIN CANAL, EAST OF CHICORP ROAD, 1.5 MILES EAST OF ELMIRA.

Location Detail: 2001 NEST WAS LOCATED AT THE 90% HEIGHT OF THE SOLITARY EASTERNMOST EUCALYPTUS.

Ecological: NEST TREE WAS A BLUE GUM EUCALYPTUS, LOCATED ALONG A CREEK CHANNEL THAT IS LINED WITH SMALLER, DECIDUOUS TREES; SURROUNDED BY SUNFLOWERS TO THE NE AND NW, AND ROW CROPS TO THE SE AND SW.

General: PAIR PERCHED ABOVE NEST, 31 MAY 1990. NEST MONITORED 3 APR-23 JUL 2001; 1 FLEDGED. NEST MONITORED 13 MAY-1 AUG 2002; ADULT DEFENDED. NEST SITE MONITORED 20 MAR-22 JUL 2004; ADULTS PRESENT. NEST MONITORED 5 MAR-8 AUG 2005; 2 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 598 **Map Index:** 23628 **EO Index:** 18421
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-26
Site: 2005-08-26
Record Last Updated: 2007-07-17

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.49485º / -121.69739º
UTM: Zone-10 N4261526 E613595
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 02E
Section: 36 **Qtr:** NE
Meridian: M

Location: SOUTH SIDE OF TREMONT ROAD, 0.1 MILE WEST OF ROAD 104, 7 MILES SOUTH OF DAVIS.

Location Detail: DFG SWHA SO019. 2004 NEST LOCATED AT THE 80% HEIGHT OF THE EASTMOST TREE IN A CONTINUOUS ROW OF BLACK WALNUTS.

Ecological: NEST TREE IS A BLACK WALNUT WITHIN A ROW OF WALNUT TREES; SURROUNDING FORAGING HABITAT CONSISTS OF CULTIVATED LAND TO THE SOUTH AND RUDERAL TO THE NORTH, ACROSS TREMONT ROAD.

General: 2 FLEDGED FROM THIS SITE IN 1988. NEST MONITORED 8 APR-24 SEP 2001; 3 FLEDGED. NEST MONITORED 21 APR-15 JUL 2002; 2 FLEDGED. NEST MONITORED 19 MAR-10 AUG 2004; 1 FLEDGED. NEST SITE MONITORED 3 MAR-26 AUG 2005; ADULTS PRESENT, BUT NO CHICKS.

Owner/Manager: UNKNOWN

Occurrence No. 642 **Map Index:** 24157 **EO Index:** 7151
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Unknown

Dates Last Seen
Element: 1992-05-18
Site: 1992-05-18
Record Last Updated: 2004-12-09

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.47887º / -121.95165º
UTM: Zone-10 N4259469 E591441
Radius: 80 meters
Elevation: 120 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01W
Section: 2 **Qtr:** XX
Meridian: M

Location: 0.3 MILE WEST OF I-505, 3.7 MILES SSE OF WINTERS

Ecological: NEST TREE WAS A LONE OAK; SURROUNDED BY GRAZED, NON-NATIVE GRASSLAND.

Threat: THREATENED/EXTIRPATED BY LACK OF SUITABLE NEST TREES.

General: 1 ADULT WAS OBSERVED FLYING, AND A 2ND ADULT WAS FLUSHED FROM THE NEST TREE; NEST WAS MAINTAINED, BUT EGGS/YOUNG WERE NOT CONFIRMED IN 1992. PRESUMED ORIGINAL NEST TREE IS NOW DEAD AND FALLEN OVER (WITH SOME LIMBS REMOVED)

Owner/Manager: UNKNOWN

Occurrence No. 677 **Map Index:** 33263 **EO Index:** 2568
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-21
Site: 2005-07-21
Record Last Updated: 2007-11-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.46116º / -121.81767º
UTM: Zone-10 N4257645 E603153
Area: 7.9 acres
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 01E
Section: 12 **Qtr:** SW
Meridian: M

Location: ALONG DUDLEY CREEK, 0.5 MILE SOUTH OF VAUGHN ROAD AND 0.3 MILE EAST OF HIGHWAY 113, NE OF DIXON.

Location Detail: NEST TREE IS LOCATED IN AN OLD, NOW DRY, CHANNEL OF DUDLEY CREEK; NEST IS EXCEPTIONALLY LARGE. NEW NEST TREE IN THE SAME VICINITY IN 2005.

Ecological: NEST TREE IS A EUCALYPTUS, GROWING IN AN OLD, DRY CHANNEL OF DUDLEY CREEK; SURROUNDED BY AGRICULTURE ON THE NORTH, EAST, AND WEST, WITH DEVELOPMENT TO THE SOUTH.

Threat: THREATENED BY INDUSTRIAL/WAREHOUSE DEVELOPMENT.

General: 27 JUN 1995, 2 ADULTS AT NEST; NO YOUNG VISIBLE. NEST IN 2000; 1 FLEDGED. NEST ACTIVE IN 2001; 1 FLEDGED. NEST ACTIVE IN 2002; INCUBATION OBSERVED DURING MAY-JUN 2002. NEST ACTIVE IN 2004; 1 FLEDGED. NEST ACTIVE IN 2005; 3 FLEDGED.

Owner/Manager:

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

PVT

Occurrence No. 686 **Map Index:** 33487 **EO Index:** 24225
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-21
Site: 2005-07-21
Record Last Updated: 2007-11-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.49421º / -121.78813º
UTM: Zone-10 N4261346 E605682
Radius: 80 meters
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 02E
Section: 31 **Qtr:** SE
Meridian: M

Location: WEST OF ROBBEN ROAD, 0.2 MILE SOUTH OF TREMONT ROAD, 3.5 MILES NE OF DIXON.

Location Detail: LANDOWNERS REPORT NESTING IN PREVIOUS YEARS. 1996, 2005 NEST TREE WAS A BLACK LOCUST. 2001, 2002, 2004 NEST TREE WAS A BLACK WALNUT.

Ecological: NEST TREE WAS A BLACK LOCUST; SURROUNDING FORAGING HABITAT INCLUDES TOMATOES TO THE NORTH AND WEST, A FARMSTEAD TO THE EAST AND SE, AND RUDERAL TO THE EAST, ACROSS THE ROAD.

Threat: POSSIBLE THREAT FROM A PROPOSED COMMERCIAL DEVELOPMENT AT THE SE CORNER OF I-80 AND PEDRICK ROAD.

General: NEST ACTIVE IN 1996; 2 FLEDGED. NEST ACTIVE IN 2000 & 2001; 2 FLEDGED EACH YEAR. ADULTS PRESENT IN 2002, BUT NO NEST. GHOW OCCUPIED THIS SITE IN 2004. NEST ACTIVE IN 2005; 2 FLEDGED.

Owner/Manager: PVT

Occurrence No. 732 **Map Index:** 41419 **EO Index:** 41419
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-09-08
Site: 2005-09-08
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.47484º / -121.86269º
UTM: Zone-10 N4259114 E599206
Radius: 80 meters
Elevation: 80 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 09 **Qtr:** NW
Meridian: M

Location: SOUTH SIDE OF THISSELL ROAD, 0.2 MILE WEST OF SCHROEDER ROAD, 2 MILES NW OF DIXON

Location Detail: 1999 NEST TREE WAS THE FOURTH ARIZONA CYPRESS WEST OF SCHROEDER ROAD, GROWING ON THE SOUTH SHOULDER OF THISSELL ROAD. 2000 AND 2001 NEST WAS IN THE TOP OF THE FIFTH CYPRESS TO THE WEST.

Ecological: NEST TREE IS AN ARIZONA CYPRESS; SURROUNDED BY WHEAT TO THE NW, ALMONDS TO THE TO THE EAST, ALFALFA TO THE NORTH AND SOUTH.

Threat: NEST TREES THREATENED BY REPEATED PRUNING, MAKING THEM SMALL AND RAGGED. FORAGING AREAS ARE BEING REPLACED BY ORCHARDS.

General: NEST ACTIVE IN 1999; 2 FLEDGED. NEST ACTIVE IN 2000; 1 FLEDGED. NEST ACTIVE IN 2001; COPULATION/INCUBATION, BUT NO YOUNG. ADULTS PRESENT, BUT NO NEST OBSERVED, IN 2002. NEST ACTIVE IN 2004; 2 FLEDGED. NEST ACTIVE IN 2005; NO CHICK DETECTED.

Owner/Manager: PVT?

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 733 **Map Index:** 41420 **EO Index:** 41420
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-16
Site: 2005-07-16
Record Last Updated: 2005-09-15

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.48934º / -121.87710º
UTM: Zone-10 N4260708 E597930
Radius: 80 meters
Elevation: 94 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 04 **Qtr:** NW
Meridian: M

Location: SOUTH SIDE OF SIEVERS ROAD, 1.3 MILES WEST OF STEVENSON BRIDGE ROAD, 3 MILES NW OF DIXON

Location Detail: NEST IS HIGH ON THE EAST SIDE OF THE NEST TREE, WHICH SPREADS ALL THE WAY ACROSS SIEVERS ROAD TO THE NORTH SHOULDER. A NORTH-SOUTH IRRIGATION CANAL IS FOUND JUST WEST OF THE NEST TREE.

Ecological: NEST TREE IS A LARGE BLACK WALNUT; SURROUNDED BY A WALNUT ORCHARD TO THE SW, NEW GREENHOUSES TO THE NORTH, ACROSS THE CANAL, NEW WALNUTS TO THE SE, AND THE REMAINDER CULTIVATED LAND.

Threat: THREATENED BY NEST TREE TRIMMING/REMOVAL TO IMPROVE ROAD CLEARANCE AND REDUCTION OF FORAGE DUE TO ORCHARD EXPANSION.

General: 2 YOUNG FLEDGED FROM THIS SITE IN 1999, 2000, AND 2002; 1 FLEDGED IN 2001. NEST MONITORED 22 MAR-16 JUL 2004; 3 FLEDGED. NEST MONITORED 1 FEB-14 AUG 2005; ADULT INCUBATING ON 15 MAY 2005, BUT NO CHICKS DETECTED.

Owner/Manager: UNKNOWN

Occurrence No. 754 **Map Index:** 41767 **EO Index:** 41767
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-07-07
Site: 1994-07-07
Record Last Updated: 2000-01-05

Quad Summary: Rio Vista (3812126/480B)
County Summary: Sacramento

Lat/Long: 38.17152º / -121.64345º
UTM: Zone-10 N4225715 E618826
Radius: 80 meters
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 03E
Section: 21 **Qtr:** SE
Meridian: M

Location: SOUTH SIDE OF THE SACRAMENTO RIVER, AT THE ENTRANCE TO VIERRA'S RESORT, 2.5 MILES ENE OF RIO VISTA.

Ecological: NEST TREE IS A COTTONWOOD; SURROUNDED BY AGRICULTURE.

General: 2 ADULTS AND 1 JUVENILE OBSERVED AT THE NEST ON 7 JUL 1994.

Owner/Manager: PVT

Occurrence No. 767 **Map Index:** 41786 **EO Index:** 41786
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1988-XX-XX
Site: 1994-04-28
Record Last Updated: 1999-10-25

Quad Summary: Rio Vista (3812126/480B)
County Summary: Sacramento

Lat/Long: 38.16860º / -121.62760º
UTM: Zone-10 N4225411 E620219
Radius: 80 meters
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 03E
Section: 27 **Qtr:** XX
Meridian: M

Location: WEST END OF LONG ISLAND, IN THE SACRAMENTO RIVER, 1 MILE WNW OF ISLETON.

Ecological: NEST TREE IS A COTTONWOOD; SURROUNDED BY AGRICULTURAL LAND.

General: DFG SWHA #SA064. PAIR OBSERVED NESTING IN 1988. A LIGHT-MORPH MALE AND A DARK-MORPH MALE OBSERVED PERCHED ON 28 APR 1994.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 832 **Map Index:** 43456 **EO Index:** 43456

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Decreasing

Dates Last Seen
Element: 2000-07-16
Site: 2005-05-01
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.47713º / -121.81765º
UTM: Zone-10 N4259418 E603132
Radius: 80 meters
Elevation: 65 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 01 **Qtr:** SW
Meridian: M

Location: SOUTH SIDE OF I-80, 0.4 MILE NE OF THE HIGHWAY 113 INTERCHANGE, 1.5 MILES NORTH OF DIXON

Location Detail: 2000 NEST TREE IS LOCATED SOUTH OF THE FREEWAY FENCE, OPPOSITE CALL BOX #SO-80-386. NEST IS DIFFICULT TO SEE, BUT THE NEST WAS LOCALIZED (FROM ACROSS THE FREEWAY/MILK FARM ROAD) BY WATCHING THE BEHAVIOR OF THE PARENTS.

Ecological: NEST TREE IS LOCATED WITHIN A ROW OF MIXED DECIDUOUS TREES ALONG THE NORTH EDGE OF A CORN FIELD.

Threat: THREATENED BY DEVELOPMENT: PROPOSED CONSTRUCTION OF A GAMBLING/HORSE RACING FACILITY AT THIS SITE.

General: NEST MONITORED, 16 MAY-16 JUL 2000; 1 FLEDGED. SWHA OBSERVED FLYING DURING 5 OF 12 VISITS IN 2001, BUT NO DEFINITE NESTING ACTIVITY. MOST OF THE TREES IN THIS AREA WERE REMOVED IN 2002 IN PREPARATION FOR DEVELOPMENT; SITE LIKELY EXTIRPATED.

Owner/Manager: PVT

Occurrence No. 833 **Map Index:** 43458 **EO Index:** 43458

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-08
Site: 2005-07-08
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.47402º / -121.82116º
UTM: Zone-10 N4259069 E602830
Area: 9.5 acres
Elevation: 65 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 01E
Section: 12 **Qtr:** NW
Meridian: M

Location: SOUTH SIDE OF I-80, 0.1 MILE EAST OF THE HIGHWAY 113 INTERCHANGE, 1.3 MILES NORTH OF DIXON

Location Detail: 2000 NEST WAS LOCATED HIGH, ON THE SOUTH SIDE OF THE NEST TREE. 2004 NEST WAS AT THE 90% HEIGHT OF A SMALL ENGLISH WALNUT. 2005 NEST WAS IN A BLACK WALNUT LOCATED WITHIN A FENCED AREA.

Ecological: 2000 NEST TREE WAS A BLACK WALNUT; AREA SOUTH OF THE NEST TREE IS WEEDY AND UNCULTIVATED. 2004 NEST TREE WAS A SMALL ENGLISH WALNUT; SMALL AREA TO THE SOUTH HAS NOW BEEN DEVELOPED AS A WALMART AND COMMERCIAL REAL ESTATE.

Threat: THREATENED BY DEVELOPMENT OF AN ADJACENT SITE TO THE NORTH.

General: NEST ACTIVE IN 2000; 1 FLEDGED. SITE UNOCCUPIED IN 2001 AND 2002. NEST ACTIVE IN 2004; 2 CHICKS OBSERVED 18 JUN 2004, AND AT LEAST 1 FLEDGED. NEST ACTIVE IN 2005; 1 FLEDGED.

Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 834 **Map Index:** 43462 **EO Index:** 43462
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-05-19
Site: 2005-08-22
Record Last Updated: 2005-09-15

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.48947º / -121.89212º
UTM: Zone-10 N4260707 E596619
Area: 7.1 acres
Elevation: 95 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 07N
Range: 01E
Section: 05 **Qtr:** XX
Meridian: M

Location: SOUTH SIDE OF SIEVERS ROAD, 0.15 MILE EAST OF GARNETT ROAD, WEST OF DIXON

Location Detail: 2000, 2004, AND 2005 NEST TREE WAS THE FIRST TREE, A BLACK WALNUT, EAST OF GARNETT ROAD, ON THE SOUTH SHOULDER. 2001-2002 NEST TREE WAS THE 2ND TREE EAST OF GARNETT ROAD. BY 2004, THE 2ND AND 3RD TREES EAST OF GARNETT APPEARED TO BE DEAD.

Ecological: NEST TREE WAS A BLACK WALNUT; SURROUNDED BY ALFALFA TO THE SOUTH AND TOMATOES NORTH OF VAUGHN CANAL, ACROSS THE ROAD.

General: ADULTS DEFENDED NEST TREE IN 1999; NO YOUNG OBSERVED. 1 FLEDGED IN 2000, 2001, 2002, AND 2004. NEST MONITORED 31 MAR-22 AUG 2005; ADULT INCUBATING ON 19 MAY 2005, BUT NO CHICK DETECTED.

Owner/Manager: UNKNOWN

Occurrence No. 835 **Map Index:** 43467 **EO Index:** 43467
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-05-26
Site: 2005-07-07
Record Last Updated: 2007-06-14

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.48987º / -121.90130º
UTM: Zone-10 N4260741 E595819
Radius: 80 meters
Elevation: 95 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 08N
Range: 01E
Section: 99 **Qtr:** XX
Meridian: M

Location: NORTH SIDE OF SIEVERS ROAD, 0.3 MILE WEST OF GARNETT ROAD, WEST OF DIXON

Location Detail: NEST IS LOCATED AT 95% HEIGHT OF THE EASTERN TREE, BUT WAS NEARLY INVISIBLE EVEN THOUGH THE TREE SEEMED TRANSPARENT.

Ecological: NEST TREE IS A SMALL, TWIN COASTAL REDWOOD FOUND NORTH OF THE CANAL NORTH OF THE ROAD. SURROUNDING FORAGING HABITAT CONSISTS OF TOMATOES TO THE NORTH AND ALFALFA TO THE SOUTH.

General: NEST MONITORED 20 MAY-13 JUL 2000; 2 FLEDGED. NEST MONITORED, 9 APR-2 AUG; ADULT ON NEST, 26 MAY, BUT ABANDONED BY 14 JUN 2001. NEST SITE NACTIVE 2002, 2004, AND 2005.

Owner/Manager: PVT

Occurrence No. 839 **Map Index:** 43588 **EO Index:** 43588
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-20
Site: 2005-07-20
Record Last Updated: 2007-10-03

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.41881º / -121.90296º
UTM: Zone-10 N4252854 E595768
Radius: 80 meters
Elevation: 80 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01E
Section: 30 **Qtr:** SE
Meridian: M

Location: 0.1 MILE NORTH OF MIDWAY ROAD, BETWEEN DEMELLO LANE AND GENTILE LANE, 6 MILES NE OF VACAVILLE.

Location Detail: NEST TREE IS LOCATED WITHIN AN EAST/WEST ROW OF EUCALYPTUS; 2000 & 2002 NEST WAS IN THE TALLEST TREE IN THE ROW (FURTHEST TREE TO THE WEST).

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY A MIX OF PASTURES, CORRALS, AND LOW-DENSITY SEMI-URBAN HOUSING.

General: NEST MONITORED 28 JUN-19 JUL 2000; 3 FLEDGED. ACTIVE NEST OBSERVED ON 11 APR; ADULT PERCHED NEAR NEST ON 5 JUL 2001. NEST MONITORED 2 APR-24 JUL 2002; 1 FLEDGED. NO ACTIVITY OBSERVED IN 2004. NEST MONITORED 30 APR-20 JUL 2005; 3 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 840 **Map Index:** 43589 **EO Index:** 43589

Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-09-09
Site: 2005-09-09
Record Last Updated: 2006-09-13

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.40242º / -121.90579º
UTM: Zone-10 N4251032 E595542
Radius: 80 meters
Elevation: 70 ft

Mapping Precision SPECIFIC
Symbol Type: POINT

Township: 06N
Range: 01E
Section: 06 **Qtr:** XX
Meridian: M

Location: AT THE INTERSECTION OF WEBER ROAD & BYRNES ROAD, 4.5 MILES NE OF VACAVILLE.

Location Detail: 2001 NEST TREE UNKNOWN; POSSIBLE NESTS PRESENT IN BOTH A EUCALYPTUS & A CALIFORNIA PEPPER. IN 2002, NEST TREE WAS A BLACK WALNUT, WITH THE NEST AT THE 95% HEIGHT OF THE TREE.

Ecological: 2002 & 2005 NEST TREE WAS A BLACK WALNUT. SITE SURROUNDED BY CULTIVATED LAND TO THE WEST, PASTURE TO THE EAST, & RUDERAL TO THE NORTH & SOUTH.

General: NESTING ACTIVITY OBSERVED, 8 MAY-5 JUL 2000; NO YOUNG OBSERVED. UNOCCUPIED IN 2001. NEST MONITORED, 25 APR-29 JUL 2002; NEST-BUILDING ON 25 APR 2002. NO ACTIVITY OBSERVED IN 2004. NEST MONITORED 2 MAY-9 SEP 2005; 1 FLEDGED

Owner/Manager: PVT?

Occurrence No. 841 **Map Index:** 43590 **EO Index:** 43590

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-06-02
Site: 2005-08-22
Record Last Updated: 2007-10-02

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.39556º / -121.89709º
UTM: Zone-10 N4250280 E596311
Radius: 80 meters
Elevation: 70 ft

Mapping Precision SPECIFIC
Symbol Type: POINT

Township: 06N
Range: 01E
Section: 06 **Qtr:** XX
Meridian: M

Location: WEST SIDE OF LEWIS ROAD, 0.5 MILE SOUTH OF WEBER ROAD, 5.5 MILES NE OF VACAVILLE.

Location Detail: NEST TREE WAS LOCATED IN THE NE CORNER OF THE FARMSTEAD; NEST WAS AT THE 75% HEIGHT, TREE HEIGHT ESTIMATED AT 27 METERS.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY ALFALFA TO THE NORTH, RUDERAL TO THE EAST, AND CULTIVATED LAND TO THE SOUTH.

General: NEST SITE OCCUPIED BY SWHA IN 2000-2001; NO YOUNG OBSERVED. NEST SITE UNOCCUPIED 2002-2004. NEST MONITORED 2 MAY-22 AUG 2005; INCUBATION OBSERVED ON 30 JUN 2005, BUT NO CHICKS DETECTED.

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Owner/Manager: PVT

Occurrence No. 842 **Map Index:** 43591 **EO Index:** 43591

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-08-12
Site: 2005-08-14
Record Last Updated: 2005-09-15

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.39736º / -121.90708º
UTM: Zone-10 N4250470 E595436
Radius: 80 meters
Elevation: 75 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 06N
Range: 01E
Section: 06 **Qtr:** NW
Meridian: M

Location: WEST SIDE OF BYRNES ROAD, 0.2 MILE NORTH OF KILKENNY ROAD, 5 MILES NE OF VACAVILLE

Location Detail: NEST TREE IS THE EASTERNMOST EUCALYPTUS, WITH NEST AT 90-95% HEIGHT, LOCATED JUST SW OF THE 2000 NEST TREE.

Ecological: NEST TREE IS A EUCALYPTUS WITHIN A LARGE GROVE OF TREES; SURROUNDED BY PASTURE TO THE SOUTH AND EAST, AND WEEDS TO THE EAST ACROSS THE ROAD.

General: 1 FLEDGED IN 2000. ACTIVE, BUT UNSUCCESSFUL, IN 2001. 1 FLEDGED IN 2002 AND 2004. NEST SITE MONITORED 12 MAR-14 AUG 2005; UNOCCUPIED.

Owner/Manager: PVT

Occurrence No. 843 **Map Index:** 43592 **EO Index:** 43592

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-07-24
Site: 2005-08-12
Record Last Updated: 2005-09-15

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.49887º / -121.89230º
UTM: Zone-10 N4261749 E596591
Radius: 80 meters
Elevation: 100 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 08N
Range: 01E
Section: 32 **Qtr:** XX
Meridian: M

Location: NORTH OF THE EAST END OF GARNETT LANE, 0.6 MILE NORTH OF SIEVERS ROAD, 5 MILES NW OF DIXON

Location Detail: 2000-2002 NEST TREE WAS LOCATED IN A FARMSTEAD, AT THE NORTH END OF THE ROAD, JUST WEST OF THE DRIVEWAY. NEST WAS LOCATED AT THE 80% HEIGHT OF THE NEST TREE.

Ecological: NEST TREE WAS A SLENDER LOCUST (SOUTHWESTERNMOST TREE IN A GROUP); SURROUNDED BY CULTIVATED LAND IN ALL DIRECTIONS. AREA NEAR THE NEST TREE IS USED FOR STORAGE AND MAINTENANCE OF FARM EQUIPMENT; THIS ACTIVITY IS ACCEPTED BY SWHA.

General: 3 FLEDGED IN 2000. 2 FLEDGED IN 2001. 1 FLEDGED IN 2002. BOTH RTHA AND SWHA OBSERVED AT THIS SITE IN 2004; 0 FLEDGED. NEST SITE MONITORED 31 MAR-12 AUG 2005; ADULT SEEN, BUT NO YOUNG FLEDGED. POSSIBLE NEST NORTH OF THE USUAL SITE IN 2005.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 844 **Map Index:** 43593 **EO Index:** 43593
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-04-23
Site: 2004-07-18
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.38395º / -121.82181º
UTM: Zone-10 N4249073 E602901
Area: 7.2 acres
Elevation: 40 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 06N
Range: 01E
Section: 12 **Qtr:** NW
Meridian: M

Location: EAST SIDE OF HIGHWAY 113, 0.5 MILE SOUTH OF CASEY ROAD, 3.5 MILES SOUTH OF DIXON

Location Detail: 2000 NEST TREE LOCATED ON EAST SHOULDER OF THE ROAD, UNDER POWER LINES, AT 80% HEIGHT. 2001 NEST WAS AT THE 95% HEIGHT OF EASTMOST TREE (NORTH ROW). 2002 NEST WAS IN THE TALLEST LOCUST. IN 2004, ALL TREES SOUTH OF NEST TREE WERE REMOVED.

Ecological: NEST TREE WAS A LOCUST; SURROUNDED BY ALFALFA TO THE NORTH, EAS, AND WEST, AND CULTIVATED LAND TO THE SOUTH.

General: NEST ACTIVE IN 2000; 3 FLEDGED. NEST ACTIVE IN 2001; NO YOUNG OBSERVED. NEST ACTIVE IN 2002; 2 FLEDGED. NEST ACTIVE IN 2004; INCUBATING IN MAR-APR (OUTCOME UNKNOWN). NEST ACTIVE IN 2005; INCUBATION OBSERVED, POSSIBLE MISSED FLEDGLING.

Owner/Manager: PVT

Occurrence No. 845 **Map Index:** 43594 **EO Index:** 43594
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-08-02
Site: 2005-08-05
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.43251º / -121.87162º
UTM: Zone-10 N4254407 E598485
Radius: 80 meters
Elevation: 70 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 21 **Qtr:** SW
Meridian: M

Location: MCCUNE CREEK, 0.2 MILE SOUTH OF I-80, 2 MILES SW OF DIXON.

Location Detail: THE BEST VIEW OF THIS SITE IS FROM THE SOUTH SHOULDER OF I-80, BUT THIS IS FORBIDDEN BY CHP WITHOUT A PERMIT. 2000 NEST TREE WAS TO THE NORTH OF THE 2001 NEST TREE.

Ecological: NEST TREE IS AN ISOLATED RIPARIAN WILLOW; SURROUNDING FORAGING HABITAT INCLUDES ALFALFA TO THE NW AND ROW CROPS TO THE NE, SE, AND SW.

General: NEST ACTIVE IN 2000; 1 YOUNG FLEDGED. NEST ACTIVE IN 2001; 1 FLEDGED. SITE POORLY OBSERVED IN 2002 AND 2004. NEST SITE UNOCCUPIED IN 2005.

Owner/Manager: PVT

Occurrence No. 846 **Map Index:** 43595 **EO Index:** 43595
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-06-07
Site: 2005-08-04
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.41405º / -121.79476º
UTM: Zone-10 N4252444 E605220
Radius: 80 meters
Elevation: 40 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 31 **Qtr:** NW
Meridian: M

Location: 0.2 MILE SOUTH OF MIDWAY ROAD, 0.5 MILE EAST OF PEDRICK ROAD, 2 MILES SE OF DIXON

Location Detail: NEST TREE WAS A TALL EUCALYPTUS FOUND CLOSE TO THE HOUSE; 2000 NEST WAS AT THE 85% HEIGHT, NEAR THE CENTER OF THE TREE.

Ecological: NEST TREE WAS A EUCALYPTUS; SURROUNDED BY CULTIVATED LAND TO THE WEST AND PASTURES TO THE EAST.

General: NEST ACTIVE IN 2000; NONE FLEDGED. JUVENILE GANG OF 20-30 SWHA OBSERVED ON 7 JUN 2000. INACTIVE IN 2001, 2002, 2004, AND 2005.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 847 **Map Index:** 43599 **EO Index:** 43599
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Unknown

Dates Last Seen
Element: 2004-06-18
Site: 2005-04-18
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.46017º / -121.83891º
UTM: Zone-10 N4257512 E601301
Radius: 80 meters
Elevation: 75 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 14 **Qtr:** NW
Meridian: M

Location: NORTH OF NORTH LINCOLN STREET, JUST EAST OF I-80, DIXON

Location Detail: NEST TREE IS LOCATED WITHIN A ROW OF LARGE, OLD BLACK WALNUTS, RUNNING FROM NEAR I-80 TOWARD NORTH LINCOLN.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDED BY WEED FIELDS ON BOTH SIDES OF THE ROAD.

Threat: THREATENED BY DEVELOPMENT.

General: 2 ADS/2 FLEDGLINGS OBSERVED, JUN 1999. NEST ACTIVE IN 2000; 2 FLEDGED. NEST ACTIVE IN 2001; NONE FLEDGED. NEST ACTIVE IN 2002; NONE FLEDGED. NEST ACTIVE IN 2004; NONE FLEDGED. ALL TREES FOUND AT THIS SITE WERE GONE BY 18 APR 2005.

Owner/Manager: PVT

Occurrence No. 848 **Map Index:** 43600 **EO Index:** 43600
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-07-19
Site: 2005-07-07
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.46183º / -121.85852º
UTM: Zone-10 N4257675 E599588
Radius: 80 meters
Elevation: 80 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 10 **Qtr:** SW
Meridian: M

Location: JUST NE OF THE INTERSECTION OF SCHROEDER ROAD AND SILVEYVILLE ROAD, 1.5 MILES NW OF DIXON

Location Detail: LANDOWNER TO THE EAST REPORTS THAT BIRDS NESTED AT THIS SITE IN 1998 AND 1999. NEST TREE WAS LOCATED AT THE NORTH EDGE OF A FARMSTEAD WHICH FACES TOWARD SILVEYVILLE ROAD; THE FIRST LARGE TREE EAST OF THE BOUNDARY FENCE.

Ecological: NEST TREE WAS A LARGE BLACK WALNUT; SURROUNDED BY CORN TO THE NORTH AND ORCHARDS TO THE SOUTH, WEST, AND SW. THERE APPEARS TO BE NO NEARBY FORAGING SITE.

General: NEST ACTIVE IN 2000; 3 FLEDGED. NEST ACTIVE IN 2001; 1 FLEDGED. NEST ACTIVE IN 2002; 1 FLEDGED. INACTIVE IN 2002, 2004, AND 2005.

Owner/Manager: PVT

Occurrence No. 849 **Map Index:** 43602 **EO Index:** 43602
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-09-08
Site: 2005-09-08
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.48985º / -121.86615º
UTM: Zone-10 N4260776 E598883
Radius: 80 meters
Elevation: 88 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 01E
Section: 33 **Qtr:** NE
Meridian: M

Location: ALONG SIEVERS ROAD, 0.6 MILE WEST OF STEVENSON BRIDGE ROAD, 2.5 MILES NW OF DIXON

Location Detail: 2000 NEST TREE WAS EASTERNMOST TREE ON SOUTH SHOULDER; NEST LOCATED NEAR TREE TOP. 2001 NEST TREE ON NORTH SHOULDER OF SIEVERS RD. 2002 NEST WAS AGAIN ON SOUTH SHOULDER. BY 2004, ALL SOUTH SHOULDER TREES WERE GONE, NEST ON NORTH SHOULDER.

Ecological: NEST TREE WAS A BLACK WALNUT; SURROUNDED BY CULTIVATED LAND IN ALL DIRECTIONS.

Threat: THREATENED BY TREE REMOVAL (BY 2004, ALL SOUTH SHOULDER TREES HAD BEEN REMOVED).

General: NEST ACTIVE IN 2000; 2 FLEDGED. NEST ACTIVE IN 2001; 1 FLEDGED. NEST ACTIVE IN 2002; NO CHICKS SEEN. NEST ACTIVE IN 2004; 2 FLEDGED. NEST ACTIVE IN 2005; 2 FLEDGED.

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Owner/Manager: SOL COUNTY

Occurrence No. 850 **Map Index:** 43603 **EO Index:** 43603

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-24
Site: 2005-07-24
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.40051º / -121.82295º
UTM: Zone-10 N4250910 E602778
Radius: 80 meters
Elevation: 45 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 02
Qtr: NW
Meridian: M

Location: WEST SIDE OF HIGHWAY 113, 1.1 MILES SOUTH OF MIDWAY ROAD, 3 MILES SOUTH OF DIXON

Location Detail: 2000-2002 NEST TREE WAS WITHIN AN EAST-WEST ROW OF PINES ON THE SOUTH EDGE OF A DIRT FIELD ROAD; A BLACK WALNUT WAS USED DURING THE 2000 SEASON. NEW 2004-2005 NEST TREE: 2004 NEST AT 85% HEIGHT AND THE 2005 NEST WAS AT THE 95% HEIGHT.

Ecological: NEST TREE WAS A LONE BLACK WALNUT SOUTH OF THE PINES; SURROUNDED BY ALFALFA TO THE NW AND SW, AND TOMATOES TO THE NE AND SE.

General: NEST ACTIVE IN 2000; 1 FLEDGED. INCUBATION OBSERVED IN 2001; NONE FLEDGED. NEST ACTIVE IN 2002; 1 FLEDGED. INCUBATION OBSERVED IN 2004; OUTCOME UNKNOWN. NEST ACTIVE IN 2005; 2 FLEDGED.

Owner/Manager: CALTRANS

Occurrence No. 851 **Map Index:** 43606 **EO Index:** 43606

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-16
Site: 2005-07-16
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.47119º / -121.80329º
UTM: Zone-10 N4258775 E604393
Area: 6.6 acres
Elevation: 55 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 02E
Section: 07
Qtr: SW
Meridian: M

Location: EAST SIDE OF PEDRICK ROAD, 0.1 MILE NORTH OF THE RAILROAD TRACK NORTH OF VAUGHN ROAD, 1.5 MILES NE OF DIXON

Location Detail: 2001 NEST TREE IS A LOCUST TREE, AT FARMSTEAD BETWEEN PEDRICK ROAD & RR TRACKS. 2000 & 2002 NEST TREE WAS A LOCUST IN NE PART OF FARMSTEAD; 2000 NEST WAS AT 85% HEIGHT OF NEST TREE. 2004-2005 NEST TREE WAS A BLACK WALNUT BEHIND HOUSE.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDED BY CULTIVATED LAND TO THE NORTH, WEST, AND EAST, AND A FARMSTEAD TO THE SOUTH.

General: NEST ACTIVE IN 2000; 2 FLEDGED. NEST ACTIVE IN 2001; 2 FLEDGED. NEST ACTIVE IN 2002; FLEDGLING MAY HAVE BEEN MISSED. NEST ACTIVE IN 2004; 1 FLEDGED. NEST ACTIVE IN 2005; 1 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 852 **Map Index:** 43612 **EO Index:** 43612
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-24
Site: 2005-08-24
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.40587º / -121.86064º
UTM: Zone-10 N4251463 E599480
Radius: 80 meters
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 33 **Qtr:** SE
Meridian: M

Location: BATAVIA ROAD, AT THE RAILROAD TRACK CROSSING, 2.5 MILES SW OF DIXON

Ecological: NEST TREE WAS A BLUE GUM EUCALYPTUS. SWHA ALSO NESTED IN A BLACK WALNUT ON THE OPPOSITE SIDE OF THE ROAD (EAST) IN 2000. SURROUNDED BY MIXED TREES/ROW CROPS TO NW; MIXED TREES, RUDERAL, AND HOUSING TO NE; CULTIVATED TO SE; RUDERAL TO SW.

General: SWHA OBSERVED DEFENDING LATE IN 1999. NEST ACTIVE IN 2000; 1 FLEDGED. NEST ACTIVE IN 2001; 1 FLEDGED. NEST ACTIVE IN 2002; 1 FLEDGED. NEST ACTIVE 2004; NEST HIDDEN (OUTCOME UNKNOWN). NEST ACTIVE IN 2005 (HIDDEN AGAIN); 2 FLEDGED.

Owner/Manager: PVT

Occurrence No. 853 **Map Index:** 43614 **EO Index:** 43614
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-20
Site: 2005-08-20
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.44970º / -121.80495º
UTM: Zone-10 N4256389 E604279
Area: 6.6 acres
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 01E
Section: 13 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF PEDRICK ROAD, 0.3 MILE NORTH OF DIXON AVENUE EAST, JUST EAST OF DIXON

Location Detail: 2000-2001 NEST TREE WAS A BLACK WALNUT LOCATED ALONG THE WEST EDGE OF THE SOUTH GROUNDS OF DIXON VETERINARY CLINIC. 2002 NEST TREE WAS A LOCUST LOCATED JUST SOUTH OF THE PREVIOUS NEST TREE. 2004 NEST TREE WAS A DIFFERENT BLACK WALNUT.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDED BY PASTURE, RUDERAL, AND CULTIVATED LAND TO THE EAST, AND ALFALFA TO THE WEST ACROSS THE ROAD.

General: NEST ACTIVE IN 2000; 2 FLEDGED. NEST ACTIVE IN 2001; 1 FLEDGED. NEST ACTIVE IN 2002; 1 FLEDGED. NEST ACTIVE IN 2004; ADULT SITTING ON NEST, 28 MAY 2004 (OUTCOME UNKNOWN). ADULT SEEN FREQUENTLY IN 2005 (PRESUMED ACTIVE); OUTCOME UNKNOWN.

Owner/Manager: PVT

Occurrence No. 854 **Map Index:** 43617 **EO Index:** 43617
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-08-01
Site: 2005-09-08
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.48934º / -121.87137º
UTM: Zone-10 N4260714 E598430
Radius: 80 meters
Elevation: 90 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 04 **Qtr:** NW
Meridian: M

Location: SOUTH SIDE OF SIEVERS ROAD, 0.9 MILE WEST OF STEVENSON BRIDGE ROAD, 3 MILES NW OF DIXON

Location Detail: 2000 NEST TREE WAS THE SECOND TREE WEST OF THE MAILBOX FOR 5914 SIEVERS ROAD; NEST LOCATED AT 85% HEIGHT OF THE TREE, ON THE NE SIDE, DIRECTLY OVER THE SOUTH ROAD SHOULDER. POSSIBLE NEST TREE ON THE SOUTH ROAD SHOULDER IN 2002.

Ecological: FORAGING HABITAT SURROUNDING THE NEST TREE INCLUDES BEANS TO THE WEST, CORN TO THE NORTH ACROSS THE ROAD, AND SUDAN GRASS TO THE EAST.

General: ACTIVE NEST IN 1999; 2 FLEDGED. NEST ACTIVE IN 2000; NEST DISAPPEARED IN JUNE DUE TO WIND. 2001 NEST HIDDEN; BEGGING HEARD ON 24 JUL 2001. NEST ACTIVE IN 2002; NONE FLEDGED. 1 ADULT PRESENT 2004. 2 ADULTS OBSERVED ON 7-8 SEP 2005.

Owner/Manager: SOL COUNTY

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 855 **Map Index:** 43623 **EO Index:** 43623

Dates Last Seen
Element: 2000-08-20
Site: 2005-08-03
Record Last Updated: 2005-09-15

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.38022º / -121.90819º
UTM: Zone-10 N4248566 E595362
Radius: 80 meters
Elevation: 70 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 06N
Range: 01E
Section: 07 **Qtr:** SW
Meridian: M

Location: WEST SIDE OF BYRNES ROAD, 1 MILE SOUTH OF KILKENNY ROAD, 5 MILES SW OF DIXON

Location Detail: NEST TREE IS LOCATED ABOUT 0.1 MILE WEST OF THE ROAD, AT THE REAR OF THE FARMSTEAD. ALTHOUGH NEST WAS NOT VISIBLE, ADULT BEHAVIOR SUGGESTED THAT IT WAS BURIED IN FOLIAGE AT THE 80% HEIGHT OF THE NEST TREE.

Ecological: NEST TREE IS A TALL EUCALYPTUS; SURROUNDED BY MIXED AGRICULTURE.

General: 1 FLEDGED IN 2000. SITE WAS POORLY OBSERVED IN 2001; UNOCCUPIED IN 2002, 2004, AND 2005.

Owner/Manager: PVT

Occurrence No. 859 **Map Index:** 43628 **EO Index:** 43628

Dates Last Seen
Element: 2000-71-6
Site: 2001-04-03
Record Last Updated: 2002-03-07

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Decreasing

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.31838º / -121.90173º
UTM: Zone-10 N4241711 E596007
Radius: 80 meters
Elevation: 60 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 06N
Range: 01E
Section: 31 **Qtr:** SE
Meridian: M

Location: 0.2 MILE NORTH OF HAY ROAD, 0.25 MILE WEST OF LEWIS ROAD, 2 MILES SOUTH OF ELMIRA

Location Detail: NEST TREE IS THE LARGEST AND THE SOUTHERNMOST OF 3 CLOSELY-SPACED EUCALYPTUS TREES; NEST IS AT THE 75% HEIGHT OF THE NEST TREE.

Ecological: NEST TREE IS A EUCALYPTUS; SURROUNDED BY SUGAR BEETS TO THE EAST AND ALFALFA TO THE WEST.

General: NESTING ACTIVITY OBSERVED FROM 10 MAY-16 JUL 2000; 1 CHICK OBSERVED ON 22 JUN 2000, 1 YOUNG FLEDGED. TREES (INCLUDING NEST TREE) WERE REMOVED SHORTLY BEFORE 3 APR 2001; SITE EXTIRPATED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 860 **Map Index:** 43629 **EO Index:** 43629

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Decreasing

Dates Last Seen
Element: 2000-05-09
Site: 2005-07-24
Record Last Updated: 2007-06-26

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.34717º / -121.91056º
UTM: Zone-10 N4244897 E595198
Radius: 80 meters
Elevation: 70 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 19 **Qtr:** SW
Meridian: M

Location: ALONG WATER STREET, BETWEEN A STREET AND B STREET, ELMIRA.

Location Detail: TALLEST TREE WITHIN AN EAST-WEST ROW OF EUCALYPTUS; NEST WAS LOCATED ON THE NORTH SIDE, ABOUT 10 FEET FROM THE TOP.

Ecological: NEST TREE WAS A BLUE GUM EUCALYPTUS; SURROUNDED BY ALFALFA TO THE SOUTH AND THE TOWN OF ELMIRA TO THE NORTH.

General: NESTING ACTIVITY 28 APR-09 MAY 2000; NO RAPTORS OBSERVED DURING 9 LATER VISITS, NO YOUNG FLEDGED. NEST SITE MONITORED 29 MAR-2 APR 2001; BIRDS SEEN, BUT NO NEST FOUND. INACTIVE IN 2002, 2004 (POORLY OBSERVED), AND 2005.

Owner/Manager: PVT?

Occurrence No. 861 **Map Index:** 43630 **EO Index:** 43630

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-07-24
Site: 2005-08-22
Record Last Updated: 2007-06-26

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.37415º / -121.89884º
UTM: Zone-10 N4247903 E596186
Radius: 80 meters
Elevation: 65 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 07 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF LEWIS ROAD, 0.6 MILE NORTH OF THE RAILROAD CROSSING NORTH OF HAWKINS ROAD, 1.5 MILES NORTH OF ELMIRA

Location Detail: NEST TREE WAS A LARGE BLUE GUM EUCALYPTUS, LOCATED WEST OF LEWIS ROAD AND SW OF THE FARMSTEAD ON THE WEST SIDE OF THE ROAD.

Ecological: NEST TREE WAS A EUCALYPTUS; A WEEDY SUGAR BEET FIELD (LATER CORN) LIES BETWEEN THE NEST TREE AND THE ROAD. WHEAT FIELDS LIE TO THE NW AND SW, AND A FARMSTEAD TO THE NE.

General: NEST MONITORED 4 APR-19 JUL 2000; 2 FLEDGED. NEST MONITORED 22 MAR-23 JUL 2001; 1 FLEDGED. NO NEST FOUND IN 2002. NEST MONITORED 21 MAR-24 JUL 2004; 1 FLEDGED. NEST-BUILDING, BUT NO CHICKS DETECTED IN 2005.

Owner/Manager: PVT

Occurrence No. 863 **Map Index:** 43643 **EO Index:** 43643

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-07-23
Site: 2004-06-18
Record Last Updated: 2005-03-15

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.43571º / -121.82296º
UTM: Zone-10 N4254816 E602728
Radius: 80 meters
Elevation: 55 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 23 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF HIGHWAY 113, JUST SOUTH OF SILVEYVILLE CEMETERY, SOUTH EDGE OF DIXON

Location Detail: NEST IS LOCATED HALFWAY UP A LARGE EUCALYPTUS, ON THE WEST SIDE. 3-4 ADDITIONAL FLEDGLINGS FROM ADJACENT NESTS ALSO OBSERVED IN THE AREA DURING 2000.

Ecological: NEST TREE IS A EUCALYPTUS; SURROUNDED BY A CEMETERY TO THE NW, FUTURE CEMETERY TO THE WEST, A FARMSTEAD TO THE SOUTH, AND HIGH-DENSITY RESIDENTIAL TO THE EAST, ACROSS THE ROAD.

General: NEST MONITORED 12 JUL-23 JUL 2000; 2 FLEDGED. UNOCCUPIED, 2001-2004.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 865 **Map Index:** 43646 **EO Index:** 43646
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-08-02
Site: 2005-08-16
Record Last Updated: 2007-06-27

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35331º / -121.82297º
UTM: Zone-10 N4245672 E602844
Radius: 80 meters
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 24 **Qtr:** NW
Meridian: M

Location: EAST SIDE OF HIGHWAY 113, 0.3 MILE NORTH OF BINGHAMPTON ROAD, 6 MILES SOUTH OF DIXON.

Location Detail: NEST NOT VISIBLE IN 2000, BUT BEHAVIOR OF ADULTS INDICATED IT WAS LOCATED WITHIN A ROW OF OSAGE ORANGES, ON THE EAST SIDE, AWAY FROM TRAFFIC.

Ecological: NEST TREE WAS AN OSAGE ORANGE; SURROUNDED BY ROW CROPS TO THE NE AND SE, AND ALFALFA ACROSS THE ROADS TO THE NW AND SW.

General: NEST MONITORED 4 MAR-2 AUG 2000; 1 FLEDGED. INACTIVE IN 2001, 2002, AND 2004. PRESUMABLY INACTIVE IN 2005; 1 ADULT SIGHTED ON A SINGLE VISIT ON 16 AUG 2005.

Owner/Manager: PVT

Occurrence No. 866 **Map Index:** 43647 **EO Index:** 43647
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-14
Site: 2005-08-14
Record Last Updated: 2007-06-27

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29220º / -121.82086º
UTM: Zone-10 N4238893 E603114
Radius: 80 meters
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 12 **Qtr:** SW
Meridian: M

Location: 0.2 MILE EAST OF HIGHWAY 113, 0.3 MILE NORTH OF THE EAST/WEST STRETCH OF HIGHWAY 113, 14.5 MILES SOUTH OF DIXON.

Location Detail: NEST TREE (INFERRED BY ADULT BEHAVIOR) IS THE TALLEST EUCALYPTUS NORTH OF THE HOUSE OF THE FARMSTEAD LOCATED EAST OF THE ROAD.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY DRY PASTURE. NEST NOT VISIBLE IN EITHER 2000 OR 2001; NESTING INFERRED FROM ADULT BEHAVIOR.

General: NESTING ACTIVITY OBSERVED 21 APR-20 AUG 2000; 1 FLEDGED. NEST SITE MONITORED 5 APR-23 AUG 2001; NEST NOT VISIBLE, BUT ADULT BEHAVIOR INDICATES A NEST IS PRESENT. INACTIVE IN 2002 AND 2004. PRESUMABLY ACTIVE IN 2005; 1 FLEDGLING SIGHTED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 867 **Map Index:** 43650 **EO Index:** 43650
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-16
Site: 2005-07-16
Record Last Updated: 2007-06-28

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.34234º / -121.80216º
UTM: Zone-10 N4244479 E604678
Radius: 80 meters
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 02E
Section: 30 **Qtr:** NW
Meridian: M

Location: 0.2 MILE EAST OF PEDRICK ROAD, 0.6 MILE SOUTH OF BINGHAMPTON ROAD, 6.5 MILES SOUTH OF DIXON.

Location Detail: NEST IS LOCATED AT THE 90% HEIGHT OF A SHORTER, LIVE-TOPPED EUCALYPTUS, BETWEEN TWO TALLER, DEAD-TOPPED EUCALYPTUS TREES, LOCATED IN THE SOUTH PART OF THE FARMSTEAD.

Ecological: NEST TREE IS A EUCALYPTUS; SURROUNDED BY CORN TO THE NORTH, PASTURE TO THE SOUTH AND ACROSS THE ROAD TO THE SW, AND ALFALFA TO THE WEST ACROSS THE ROAD.

General: NEST MONITORED 21 APR-07 JUN 2000; 0 FLEDGED. NEST MONITORED 5 APR-16 AUG 2001; 0 FLEDGED. NEST MONITORED 12 MAY-5 AUG 2002; 0 FLEDGED. NEST MONITORED 19 MAR-28 JUL 2004; 1 FLEDGED. NEST MONITORED 24 APR-16 JUL 2005; 3 FLEDGED.

Owner/Manager: PVT

Occurrence No. 900 **Map Index:** 43749 **EO Index:** 43749
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-11
Site: 2005-08-21
Record Last Updated: 2007-06-28

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35297º / -121.80484º
UTM: Zone-10 N4245655 E604428
Radius: 80 meters
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01E
Section: 24 **Qtr:** NE
Meridian: M

Location: WEST SIDE OF PEDRICK ROAD, 0.1 MILE NORTH OF BINGHAMPTON ROAD, EAST OF ELMIRA.

Location Detail: NEST TREE IS LOCATED SOUTH OF THE FARMSTEAD AT 6188 PEDRICK ROAD; FARMSTEAD IS ON THE EAST SIDE AND NEST TREE IS ON THE WEST SIDE OF ROAD. NEST IS NEAR THE TOP OF THE TALLEST OSAGE ORANGE.

Ecological: NEST TREE IS THE TALLEST OSAGE ORANGE WITHIN A DENSE ROW OF OSAGE ORANGE TREES; SURROUNDED BY PASTURE AND GAS WELLS TO THE WEST, ROW CROPS ACROSS THE ROAD TO THE EAST, AND A FARMSTEAD TO THE NE.

General: NEST MONITORED 7 APR-13 AUG 2000; 1 FLEDGED. NEST MONITORED 5 APR-23 JUL 2001; 1 FLEDGED. NEST MONITORED 12 MAY-29 JUL 2002; 1 FLEDGED. INACTIVE IN 2004. NEST MONITORED 13 APR-21 AUG 2005; INCUBATING 2 JUN, POSSIBLE FLEDGLING 11 AUG 2005.

Owner/Manager: PVT?

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 901 **Map Index:** 43755 **EO Index:** 43755

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-08-02
Site: 2005-07-11
Record Last Updated: 2007-06-28

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35033º / -121.81510º
UTM: Zone-10 N4245350 E603535
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 24 **Qtr:** SW
Meridian: M

Location: SOUTH SIDE OF BINGHAMPTON ROAD, 0.4 MILE WEST OF PEDRICK ROAD, EAST OF ELMIRA.

Location Detail: NEST TREE IS A LARGE, VERY RAGGED EUCALYPTUS LOCATED AT THE SOUTH EDGE OF THE FARMSTEAD; NEST IS LOCATED AT THE 70% HEIGHT OF THE NEST TREE, JUST EAST OF TALLEST EUCALYPTUS.

Ecological: NEST TREE IS A BLUE GUM EUCALUPTUS; SURROUNDED BY PASTURE TO THE NW, SUDAN GRASS, THEN ALFALFA, TO THE SE, SUDAN GRASS TO THE SW, AND RUDERAL, RESIDENTIAL, PASTURE, AND SUDAN GRASS TO THE NE.

General: NEST MONITORED 7 APR-2 AUG 2000; 1 FLEDGED. OCCUPIED BY A RED-TAILED HAWK PAIR IN 2001. INACTIVE IN 2002, 2004, AND 2005.

Owner/Manager: PVT

Occurrence No. 902 **Map Index:** 43757 **EO Index:** 43757

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-07-07
Site: 2005-07-30
Record Last Updated: 2007-06-28

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.37315º / -121.84397º
UTM: Zone-10 N4247850 E600981
Radius: 80 meters
Elevation: 45 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 15 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF PITT SCHOOL ROAD, 1 MILE NORTH OF HAWKINS ROAD, EAST OF ELMIRA.

Location Detail: 2000 NEST TREE WAS THE 8TH TREE WEST FROM THE ROAD, NEST WAS ON THE SOUTH SIDE OF THE TREE. 2001 NEST WAS 135 METERS WEST, IN THE WESTERNMOST RAGGED BLACK WALNUT.

Ecological: NEST TREE WAS A BLACK WALNUT WITHIN A ROW OF BLACK WALNUTS; SURROUNDED BY ALFALFA TO THE EAST ACROSS THE ROAD, SUDAN GRASS TO THE SOUTH, AND PASTURE TO THE NORTH CONTAINING EMUS AND CATTLE.

General: NEST MONITORED 3 APR-24 JUL 2000; 1 FLEDGED. NEST MONITORED 4 APR-3 AUG 2001; 0 FLEDGED. NEST MONITORED 13 MAY-7 JUL 2002; INCUBATING ON 8 JUN 2002, BUT NONE FLEDGED. INACTIVE IN 2004 AND 2005.

Owner/Manager: PVT

Occurrence No. 903 **Map Index:** 43758 **EO Index:** 43758

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-11
Site: 2005-08-11
Record Last Updated: 2007-06-28

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35141º / -121.81717º
UTM: Zone-10 N4245468 E603353
Radius: 80 meters
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 24 **Qtr:** NW
Meridian: M

Location: NORTH SIDE OF BINGHAMPTON ROAD, 0.3 MILE EAST OF HIGHWAY 113, EAST OF ELMIRA.

Location Detail: NEST TREE IS LOCATED IN A ROW OF OSAGE ORANGE TREES, THE TALLEST IN THE ROW.

Ecological: NEST TREE IS AN OSAGE ORANGE; SURROUNDED BY PASTURE TO THE NW, NE, AND SE, AND ALFALFA TO THE SW.

General: NEST BUILDING OBSERVED ON 3 APR 2000; NO SWHA OBSERVED DURING 14 ADDITIONAL VISITS. NEST SITE MONITORED 13 MAR-3 AUG 2001; OCCASIONAL ADULT SIGHTED, BUT NO NEST. INACTIVE IN 2002 AND 2004. NEST MONITORED 1 APR-11 AUG 2005; 1 FLEDGED.

Owner/Manager: PVT?

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 904 **Map Index:** 43759 **EO Index:** 43759
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-21
Site: 2005-08-21
Record Last Updated: 2007-06-28

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35770º / -121.83248º
UTM: Zone-10 N4246148 E602006
Area: 6.0 acres
Elevation: 40 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 06N
Range: 01E
Section: 23 **Qtr:** NW
Meridian: M

Location: SOUTH SIDE OF HAWKINS ROAD, 0.5 MILE EAST OF PITT SCHOOL ROAD, EAST OF ELMIRA.

Location Detail: NEST TREE IS LOCATED AT THE FARMSTEAD AT 6554 HAWKINS ROAD, WITHIN A NORTH-SOUTH ROW OF BLACK WALNUTS. NEST IS LOCATED NEAR THE TOP OF THE FIRST LEAFY BLACK WALNUT NORTH OF THE DEAD TREE. AN ALTERNATE NEST TREE (PINE) IS FOUND AT THIS SITE.

Ecological: NEST TREE WAS A PINE; SURROUNDED BY CULTIVATED LAND TO THE EAST, TREES AND PASTURES TO THE WEST, AND A FARMSTEAD.

General: NEST MONITORED 18 MAY-3 AUG 2000; NEST PRESENT, BUT NO SWHA OBSERVED AFTER 17 JUL. NEST SITE MONITORED 5 APR-24 AUG 2001; 1 ADULT OBSERVED (NO NEST). INACTIVE IN 2002 AND 2004. NEST MONITORED 3 MAY-21 AUG 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 905 **Map Index:** 43760 **EO Index:** 43760
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-20
Site: 2005-07-20
Record Last Updated: 2007-06-28

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.36968º / -121.84156º
UTM: Zone-10 N4247468 E601196
Radius: 80 meters
Elevation: 45 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 15 **Qtr:** NE
Meridian: M

Location: EAST SIDE OF PITT SCHOOL ROAD, 0.7 MILE NORTH OF HAWKINS ROAD, EAST OF ELMIRA.

Location Detail: 2000-2002 NEST TREE WAS LOCATED AT THE FARMSTEAD AT 6444 MCKIM-MURDOCK, IN THE NORTHERNMOST EUCALYPTUS ON THE WEST ROAD SHOULDER. 2004 NEST WAS AT THE 85% HEIGHT OF THE REMAINING NORTH BLUE GUM ON THE WEST ROAD SHOULDER.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY SUDAN GRASS TO THE WEST AND ALFALFA TO THE NORTH, EAST, AND SOUTH.

General: NEST MONITORED 5 JUL-2 AUG 2000; 1 FLEDGED. NEST MONITORED 4 APR-23 AUG 2001; 2 FLEDGED. NEST MONITORED 13 MAY-29 JUL 2002; 1 FLEDGED. NEST MONITORED 20 MAR-18 JUL 2004; 2 FLEDGED. NEST MONITORED 18 APR-20 JUL 2005; 2 FLEDGED.

Owner/Manager: PVT

Occurrence No. 906 **Map Index:** 43763 **EO Index:** 43763
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-24
Site: 2005-08-03
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.41821º / -121.85047º
UTM: Zone-10 N4252843 E600351
Radius: 80 meters
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 27 **Qtr:** SE
Meridian: M

Location: NORTH SIDE OF PORTER STREET, 0.1 MILE NE OF MIDWAY ROAD, 2 MILES SSW OF DIXON

Location Detail: NEST IS LOCATED WITHIN A SMALL GROVE OF DECIDUOUS TREES. NEST-BUILDING OBSERVED IN THE LARGEST TREE IN THE GROVE, A RELATIVELY SMALL BLACK WALNUT.

Ecological: NEST TREE WAS A BLACK WALNUT; SITE IS SURROUNDED BY SORGHUM TO NW, CORN/ RUDERAL TO NE, HOUSES/ RUDERAL TO SW, AND RUDERAL AND ROW CROPS TO SE .

General: NEST ACTIVE IN 2000; 1 FLEDGED. NEST ACTIVE IN 2001; ABANDONED. NEST ACTIVE IN 2002; 0 FLEDGED. NEST ACTIVE IN 2004; 0 FLEDGED. INACTIVE IN 2005; RTHA PRESENT IN JUL-AUG 2005.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 907 **Map Index:** 43765 **EO Index:** 43765

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-07-07
Site: 2005-08-12
Record Last Updated: 2007-11-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.42470º / -121.84386º
UTM: Zone-10 N4253571 E600919
Radius: 80 meters
Elevation: 65 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 07N
Range: 01E
Section: 27 **Qtr:** NE
Meridian: M

Location: SOUTH SIDE OF PORTER STREET, 0.25 MILE SW OF PITT SCHOOL ROAD, 1.5 MILES SSW OF DIXON.

Location Detail: NEST TREE WAS A SOLITARY, LARGE EUCALYPTUS GROWING ON THE ROAD SHOULDER, ACROSS FROM 7461 PORTER ROAD. 2000 NEST WAS AT THE 80% HEIGHT OF THE NEST TREE.

Ecological: NEST TREE IS A EUCALYPTUS; SURROUNDED BY WEEDS, SHRUBS, AND TREES ADJACENT TO THE RAILROAD TRACKS, A FIRST-YEAR WALNUT ORCHARD TO THE NORTH, AND AN ESTABLISHED WALNUT ORCHARD TO THE SOUTH.

Threat: THREATENED BY NEST PROXIMITY TO THE RAILROAD TRACKS.

General: NEST ACTIVE IN 2000; 2 FLEDGED. NEST ACTIVE IN 2001; CHICKS VOCALIZING, 12 JUN 2001. NEST ACTIVE IN 2002; 2 FLEDGED. INADEQUATE OBSERVATION IN 2004. INACTIVE IN 2005.

Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 908 **Map Index:** 43769 **EO Index:** 43769
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-17
Site: 2005-07-17
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.38379º / -121.84559º
UTM: Zone-10 N4249030 E600825
Area: 9.2 acres
Elevation: 55 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 06N
Range: 01E
Section: 10 **Qtr:** NE
Meridian: M

Location: 0.25 MILE WEST OF PITT SCHOOL ROAD, 1.7 MILES NORTH OF HAWKINS ROAD, 4.3 MILES SSW OF DIXON

Location Detail: 2000 NEST TREE WAS A EUCALYPTUS, THE TALLEST AND SOUTHERNMOST EAST OF THE HOUSE, FOUND AT THE FARMSTEAD AT 6713 PITT SCHOOL ROAD, CONTAINING A VARIETY OF TREES AT AN OLD, WOODEN TWO-STORY HOUSE. 2002 NEST AT THE 90% HEIGHT OF THE MAIN MASS.

Ecological: NEST TREE WAS A BLUE GUM EUCALYPTUS ON A FARMSTEAD; SURROUNDED IN ALL DIRECTIONS BY CULTIVATED LAND.

General: NEST ACTIVE IN 2000; ADULTS NEST-BUILDING. NEST ACTIVE IN 2001; 2 CHICKS OBSERVED, 1 FLEDGED. NEST ACTIVE IN 2002; 1 FLEDGED. NEST ACTIVE IN 2004; INCUBATING ON 28 MAY (OUTCOME UNKNOWN). NEST ACTIVE IN 2005; 2 FLEDGED.

Owner/Manager: PVT

Occurrence No. 909 **Map Index:** 43772 **EO Index:** 43772
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-09-08
Site: 2005-09-08
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.45061º / -121.85178º
UTM: Zone-10 N4256437 E600191
Radius: 80 meters
Elevation: 40 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 15 **Qtr:** SW
Meridian: M

Location: EVANS ROAD, 0.3 MILE NORTH OF WEST DIXON ROAD, IN THE SW CORNER OF THE CITY OF DIXON

Location Detail: SITE CONSISTS OF A U-SHAPED ROW OF EUCALYPTUS, LOCATED AT 595 EVANS ROAD. 2000 NEST TREE WAS A EUCALYPTUS; NEST AT THE 80% HEIGHT. 2001 NEST WAS AT THE 85% HEIGHT OF THE TALLEST EUCALYPTUS ON THE SOUTH BORDER OF THE TREED AREA.

Ecological: NEST TREE IS A EUCALYPTUS; FIELD TO THE SOUTH, ON THE WEST SIDE OF EVANS, IS UNDEVELOPED. ALL OF THE AREA EAST OF EVANS IS HIGH-DENSITY RESIDENTIAL.

Threat: THREATENED BY ENCROACHING URBANIZATION; TREES REMAIN, BUT ALL THE LAND TO THE SOUTH OF THIS SITE IS DEVELOPED.

General: SWHA HAVE REPORTEDLY NESTED HERE FOR MANY YEARS. NEST MONITORED 26 MAR-29 JUN 2000; NO RAPTORS OBSERVED. NEST ACTIVE IN 2001; 1 FLEDGED. NO NEST FOUND, 2002. 1 ADULT OBSERVED NEAR 2001 NEST IN 2004. NEST ACTIVE IN 2005; 2 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 910 **Map Index:** 43777 **EO Index:** 43777

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-11
Site: 2005-08-11
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.48944º / -121.82245º
UTM: Zone-10 N4260779 E602696
Radius: 80 meters
Elevation: 70 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 01E
Section: 35 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF CURREY ROAD, JUST NORTH OF SIEVERS ROAD, 2.5 MILES NORTH OF DIXON

Location Detail: 2000 NEST TREE WAS A LARGE EUCALYPTUS WHOSE TRUNK WAS OFF-WHITE; NEST WAS LOCATED NEAR THE TOP, OVER THE ROAD. 2002 NEST TREE WAS THE THIRD BLUE GUM EUCALYPTUS (NEST TREE DISEASED) NORTH OF SIEVERS ROAD, ON THE WEST SHOULDER.

Ecological: NEST TREE IS A EUCALYPTUS; SURROUNDED BY ALFALFA TO THE SW AND CULTIVATED LAND ELSEWHERE.

General: NEST ACTIVE IN 2000; 1 FLEDGED. NEST ACTIVE IN 2001; 1 FLEDGED. NEST ACTIVE IN 2002; NO CHICKS OBSERVED. NEST ACTIVE IN 2004; 2 FLEDGED. NEST ACTIVE IN 2005; 1 FLEDGED.

Owner/Manager: PVT?

Occurrence No. 911 **Map Index:** 43778 **EO Index:** 43778

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-14
Site: 2005-08-14
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.41687º / -121.86318º
UTM: Zone-10 N4252681 E599243
Area: 10.2 acres
Elevation: 65 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 01E
Section: 33 **Qtr:** NE
Meridian: M

Location: SOUTH SIDE OF MIDWAY ROAD, 0.25 MILE WEST OF BATAVIA ROAD, 2 MILES SW OF DIXON

Location Detail: 2000 NEST TREE WITHIN A ROW OF OSAGE ORANGE TREES, ALONG THE SOUTH SHOULDER OF MIDWAY RD; NEST LOCATED AT 90% HEIGHT OF TALLEST TREE. 2001 NEST TREE LOCATED WEST OF 2000-02 NEST TREES. 2004 NEST WAS AT 95% HEIGHT, SOUTH SIDE, NEAR CENTER

Ecological: NEST TREE WAS AN OSAGE ORANGE; SURROUNDED BY CULTIVATED LAND TO THE SOUTH AND ACROSS THE ROAD TO THE NORTH.

Threat: THREATENED BY PROPOSAL TO REMOVE ENTIRE ROW OF TREES (TRAFFIC VISIBILITY), OR LAND DEVELOPMENT INTO A NATIONAL CEMETERY.

General: NEST ACTIVE IN 2000; 1 FLEDGED. NEST ACTIVE IN 2001; ADULTS DEFENDING NEST TREE, BUT NO YOUNG OBSERVED. NEST ACTIVE IN 2002; 1 FLEDGED. NEST ACTIVE IN 2004; 1 FLEDGED. NEST ACTIVE IN 2005; 1 FLEDGED.

Owner/Manager: PVT?

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 912 **Map Index:** 43779 **EO Index:** 43779
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-06-05
Site: 2004-06-18
Record Last Updated: 2005-03-17

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.44517º / -121.84577º
UTM: Zone-10 N4255840 E600724
Radius: 80 meters
Elevation: 70 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 22 **Qtr:** NE
Meridian: M

Location: SOUTH SIDE OF WEST A STREET, ON THE WEST EDGE OF DIXON

Location Detail: SITE IS LOCATED AT FARMSTEAD #1875; NEST TREE IS LOCATED IN THE SE CORNER OF THE FARMSTEAD NEAR A SMALL MOBILE HOME.

Ecological: NEST TREE IS A LARGE, DENSE BLACK WALNUT; NEST NOT VISIBLE, BUT THE BEHAVIOR OF THE ADULTS IMPLIED NEST-BUILDING. SURROUNDED BY CULTIVATED LAND TO THE SOUTH AND HIGH-DENSITY RESIDENTIAL LAND TO THE NORTH OF A STREET.

General: NEST MONITORED 28 APR-5 JUN 2000; NO RAPTORS OBSERVED DURING 11 LATER VISITS THROUGH 3 AUG 2000, AND NO YOUNG FLEDGED. UNOCCUPIED IN 2001. NO SWHA OBSERVED 12 MAY-18 JUN 2004, ALTHOUGH SITE WAS INADEQUATELY OBSERVED.

Owner/Manager: PVT

Occurrence No. 913 **Map Index:** 43781 **EO Index:** 43781
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-05-21
Site: 2001-XX-XX
Record Last Updated: 2002-03-07

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.42596º / -121.86377º
UTM: Zone-10 N4253689 E599179
Radius: 80 meters
Elevation: 65 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 28 **Qtr:** NE
Meridian: M

Location: 0.2 MILES WEST OF BATAVIA ROAD, 1.2 MILES SOUTH OF I-80, 2 MILES SW OF DIXON.

Location Detail: NEST TREE IS LOCATED ON ALONZO FARMS, 4781 BATAVIA ROAD. NEST TREE IS NEAR THE SE CORNER OF THE SOUTHERNMOST HOUSE OF 3 FOUND ON THE PROPERTY.

Ecological: SITE IS SURROUNDED BY CULTIVATED LAND.

General: NEST-BUILDING ACTIVITY OBSERVED BETWEEN 8 MAY-21 MAY 2000 (4 VISITS); UNKNOWN IF ANY YOUNG FLEDGED. LANDOWNER IS HOSTILE TOWARD OBSERVERS, EVEN WHEN VIEWING IS FROM A PUBLIC ROAD! UNOCCUPIED IN 2001.

Owner/Manager: PVT

Occurrence No. 914 **Map Index:** 43782 **EO Index:** 43782
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-09-07
Site: 2005-09-07
Record Last Updated: 2005-09-15

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.43448º / -121.89225º
UTM: Zone-10 N4254604 E596682
Radius: 80 meters
Elevation: 80 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 20 **Qtr:** SW
Meridian: M

Location: WEST SIDE OF NUNES ROAD, 0.8 MILE SOUTH OF DIXON AVENUE WEST, 4 MILES WEST OF DIXON

Location Detail: 2000 NEST TREE WAS A LARGE BLACK OAK, ON THE SOUTH SHOULDER; NEST WAS LOCATED 10 FEET BELOW THE TOP. 2001-2002 NEST TREE WAS A BLUE GUM EUCALYPTUS; NEST LOCATED AT 2/3 HT. 2005 NEST WAS AT THE 80% HEIGHT OF THE SOUTH TREE ON THE WEST SIDE.

Ecological: NEST TREE IS LOCATED WITHIN A GROVE OF EUCALYPTUS AND SMALL DECIDUOUS TREES. IN 2001, SURROUNDED BY CORN TO THE NW, ROW CROPS TO THE SW AND NE, AND PASTURE TO THE SE. IN 2002, NEW ALFALFA FOUND TO THE WEST AND NW, AND PASTURE TO THE EAST.

Threat: POSSIBLE THREAT DUE TO LAND USE CHANGE, SINCE THE PROPERTY WAS FOR SALE IN 2005.

General: 1 FLEDGED IN 2000, 2001, AND 2002. NEST SITE MONITORED 25 MAR-16 JUL 2004; ADULT PRESENT, BUT NEVER SEEN ON A NEST. NEST

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

MONITORED 31 MAR-7 SEP 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 915 **Map Index:** 43786 **EO Index:** 43786

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-08
Site: 2005-07-08
Record Last Updated: 2007-06-14

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.41681º / -121.88289º
UTM: Zone-10 N4252653 E597522
Radius: 80 meters
Elevation: 70 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 32 **Qtr:** NE
Meridian: M

Location: MIDWAY ROAD, 0.4 MILE EAST OF THE POINT WHERE MIDWAY ROAD CURVES SOUTH TOWARD LEWIS ROAD, 4 MILES WEST OF DIXON.

Location Detail: NEST TREE BASE IS ON THE SOUTH SHOULDER OF THE ROAD; NEST LIES DIRECTLY OVER THE EASTBOUND LANE.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY CORN TO THE SE AND SW, A YOUNG WALNUT ORCHARD TO THE NE AND NW.

General: NEST MONITORED 10 MAY-10 JUL 2000; 1 FLEDGED. NEST MONITORED 4 APR-15 AUG 2001; 1 FLEDGED. NEST MONITORED 13 APR-18 JUL 2002; 2 FLEDGED. NEST MONITORED 7 MAR-22 JUL 2004; 1 FLEDGED. NEST MONITORED 3 MAY-8 JUL 2005; 2 FLEDGED.

Owner/Manager: PVT?

Occurrence No. 927 **Map Index:** 44021 **EO Index:** 44021

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-26
Site: 2005-08-26
Record Last Updated: 2007-07-17

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.41587º / -121.72237º
UTM: Zone-10 N4252731 E611538
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 35 **Qtr:** NW
Meridian: M

Location: SOUTH SIDE OF MIDWAY ROAD, 0.1 MILE WEST OF BULKLEY ROAD, 10 MILES ESE OF DIXON.

Location Detail: RESSEGUIE'S SAXON 3. NEST TREE IS THE LARGEST WALNUT IN A ROW OF WALNUTS, ON THE SOUTH SIDE OF MIDWAY ROAD, JUST EAST OF A POWER POLE.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDED BY ALFALFA TO THE NE, NW, AND SW, AND CULTIVATED LAND TO THE SE.

General: 2 ADULTS OBSERVED NESTING ON 28 APR 2000. POSSIBLE NEST IN 2002 IN A LOCUST ON THE WEST SHOULDER, JUST SOUTH OF MIDWAY. NEST MONITORED 12 APR-10 AUG 2004; 2 YOUNG FLEDGED. NEST MONITORED 20 MAR-26 AUG 2005; 2 FLEDGED.

Owner/Manager: SOL COUNTY

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 945 **Map Index:** 45955 **EO Index:** 45955
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-07-18
Site: 2005-08-14
Record Last Updated: 2007-11-20

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.37966º / -121.88070º
UTM: Zone-10 N4248533 E597764
Radius: 80 meters
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 08 **Qtr:** SE
Meridian: M

Location: 0.15 MILE WEST OF FOX ROAD, 0.4 MILE SOUTH OF SPRR TRACK, 5 MILES SW OF DIXON.

Location Detail: NEST TREE IS A SINGLE, LARGE (85') EUCALYPTUS IN THE YARD OF A FARMSTEAD AT 6645 FOX ROAD; NEST IS LOCATED AT THE 85% HEIGHT.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY PASTURE TO THE NE, CORN TO THE SE, ALFALFA TO THE NW, AND CORN AND ALFALFA TO THE SW.

General: NEST ACTIVE IN 2000; ADULTS SEEN BRINGING PREY ITEMS TO NEST. NEST ACTIVE IN 2001; 1 FLEDGED. NEST ACTIVE IN 2002; 1 FLEDGED. NEST SITE MONITORED IN 2004; INACTIVE. NEST SITE MONITORED 3 MAY-14 AUG 2005; ADULTS OBSERVED, BUT NO NEST.

Owner/Manager: PVT

Occurrence No. 946 **Map Index:** 45956 **EO Index:** 45956
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-22
Site: 2005-07-22
Record Last Updated: 2007-06-14

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.37716º / -121.89213º
UTM: Zone-10 N4248244 E596768
Radius: 80 meters
Elevation: 65 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 08 **Qtr:** SW
Meridian: M

Location: 0.25 MILE EAST OF LEWIS ROAD, 6 MILES SW OF DIXON.

Location Detail: 2000-2004 NEST TREE WAS WITHIN THE CENTRAL PART OF A ROW OF OSAGE ORANGES, WHICH RUNS FROM THE FARM BUILDINGS NEARLY TO THE SOUTH EDGE OF THE PROPERTY. 2005 NEST TREE WAS THE SOUTHERNMOST TREE IN THE ROW.

Ecological: NEST TREE IS AN OSAGE ORANGE, ALTHOUGH WHICH OF SEVERAL NESTS WAS THE ACTIVE ONE COULD NOT BE DETERMINED. SUCCESSFUL NEST FOUND AT THE NORTH END OF THE SAME ROW OF OSAGE ORANGES.

General: NEST MONITORED 3 APR-22 AUG 2001; 1 FLEDGED. NEST MONITORED 13 APR-24 JUL 2002; 1 FLEDGED. NEST MONITORED 3 MAY-5 AUG 2004; 1 FLEDGED. NEST MONITORED 18 APR-22 JUL 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 947 **Map Index:** 45958 **EO Index:** 45958
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-28
Site: 2005-08-28
Record Last Updated: 2007-06-18

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.39844º / -121.87931º
UTM: Zone-10 N4250619 E597860
Radius: 80 meters
Elevation: 65 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 05 **Qtr:** NE
Meridian: M

Location: WEST SIDE OF FOX ROAD, 0.2 MILE SOUTH OF WEBER ROAD, 4.5 MILES SW OF DIXON.

Location Detail: 2001 NEST TREE IS LOCATED ALONG THE NORTH SIDE OF A FARMSTEAD FOUND AT 6975 FOX ROAD. 2005 NEST TREE WAS THE WESTERNMOST TREE.

Ecological: NEST TREE WAS A BLUE GUM EUCALYPTUS; SURROUNDED TO THE NW AND SE BY THE FARMSTEAD AND ROW CROPS, TO THE NE BY ROW CROPS, AND TO THE SW BY PASTURE.

General: NEST MONITORED 4 MAY-10 AUG 2001; 0 YOUNG FLEDGED. NO ACTIVITY OBSERVED IN 2002. NEST MONITORED 18 APR-29 JUL 2004; 2 CHICKS OBSERVED, BUT ONLY 1 FLEDGLING DETECTED. NEST MONITORED 1 APR-28 AUG 2005; INCUBATION, BUT NO YOUNG DETECTED.

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Owner/Manager: PVT

Occurrence No. 948 **Map Index:** 45959 **EO Index:** 45959

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-08-15
Site: 2005-07-22
Record Last Updated: 2007-06-19

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.38685º / -121.90035º
UTM: Zone-10 N4249310 E596038
Radius: 80 meters
Elevation: 70 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 07 **Qtr:** NE
Meridian: M

Location: 0.1 MILE SOUTH OF SID CANAL AND 0.2 MILE WEST OF LEWIS ROAD, 6 MILES SW OF DIXON

Location Detail: NEST WAS LOCATED AT THE 90% HEIGHT OF THE LARGEST TREE (A 14-METER BLACK WALNUT), JUST WEST OF THE HOUSE, AT 6751 LEWIS ROAD.

Ecological: NEST TREE IS A LARGE BLACK WALNUT SURROUNDED BY MANY SMALLER TREES; SURROUNDED BY ALFALFA TO THE WEST, EAST, AND SOUTH OF THE FARMSTEAD AND NORTH TO THE CANAL, WITH CORN NORTH OF THE CANAL.

General: NEST MONITORED 25 APR-15 AUG 2001; 1 FLEDGED. INACTIVE IN 2002, 2004, AND 2005.

Owner/Manager: PVT

Occurrence No. 949 **Map Index:** 45961 **EO Index:** 45961

Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-06-19
Site: 2005-06-25
Record Last Updated: 2007-06-20

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.41695º / -121.90580º
UTM: Zone-10 N4252645 E595522
Radius: 80 meters
Elevation: 80 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 31 **Qtr:** NE
Meridian: M

Location: SOUTH SIDE OF MIDWAY ROAD, OPPOSITE THE END OF DE MELLO, 5 MILES SW OF DIXON.

Location Detail: NEST TREE WAS A BLUE GUM (EUCALYPTUS), LOCATED ALONG THE ROAD SHOULDER, ADJACENT TO AN IRRIGATION CANAL.

Ecological: NEST TREE WAS A SOLITARY, RAGGED EUCALYPTUS; SURROUNDED BY ROW CROPS TO THE SE AND SW, PASTURE AND RESIDENTIAL TO THE NE AND NW.

General: NESTING ACTIVITY (BOTH BIRDS DEFENDED NEST TREE) OBSERVED FROM 17-19 JUN 2001; POSSIBLE NEST FOUND, BUT BIRD NEVER SEEN ON NEST. INACTIVE IN 2002, 2004, AND 2005.

Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 950 **Map Index:** 45973 **EO Index:** 45973

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-06-XX
Site: 2005-08-11
Record Last Updated: 2007-06-28

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.36424º / -121.80680º
UTM: Zone-10 N4246903 E604241
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 13 **Qtr:** SE
Meridian: M

Location: 0.1 MILE WEST OF PEDRICK ROAD AND 0.9 MILE NORTH OF BINGHAMPTON ROAD, 5.5 MILES SOUTH OF DIXON.

Location Detail: SITE WAS OCCUPIED BY GREAT HORNED OWLS IN 2000. 2001 NEST TREE WAS LOCATED ON THE NORTH SIDE OF THE PROPERTY AT 6347 PEDRICK ROAD.

Ecological: NEST TREE WAS THE LARGEST COTTONWOOD NEAR THE SOUTH END OF THE ROW OF TREES, AT THE WEST END OF THE FIELD NORTH OF THE HOUSE. NEST TREE WAS IN A CLUSTER OF COTTONWOODS WHOSE TRUNKS ARE VERY CLOSE.

General: NEST MONITORED 27 APR-18 AUG 2001; NEST NOT VISIBLE AFTER 19 MAY 2001. NEST MONITORED 12 MAY-24 JUL 2002; NEST-BUILDING OBSERVED, 12 MAY, BUT NO CHICKS SEEN. SWHA SIGHTINGS ONLY IN 2004 AND 2005; NO NEST FOUND.

Owner/Manager: PVT

Occurrence No. 951 **Map Index:** 45979 **EO Index:** 45979

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-16
Site: 2005-08-16
Record Last Updated: 2007-06-28

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.33705º / -121.85668º
UTM: Zone-10 N4243831 E599920
Radius: 80 meters
Elevation: 45 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 27 **Qtr:** NW
Meridian: M

Location: NORTH SIDE OF FRY ROAD, 0.2 MILE EAST OF CLARK ROAD, 6 MILES NE OF TRAVIS AIR FORCE BASE.

Location Detail: NEST TREE IS THE EASTERNMOST OF TWO BLUE GUM EUCALYPTUS TREES ON THE NORTH SHOULDER; NEST IS AT 85% HEIGHT OF THE NEST TREE.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS (18 METERS TALL); SURROUNDED BY PASTURE AND A EUCALYPTUS GROVE TO THE NW, PASTURE TO THE NE AND SE, AND ALFALFA TO THE SW.

General: 2 ADULTS SEEN PERCHED IN THIS TREE IN 2000, BUT NO NEST FOUND. NEST MONITORED 4 APR-24 AUG 2001; 1 FLEDGED. INACTIVE IN 2002. NEST SITE MONITORED 20 MAR-18 JUN 2004; 2 SWHA SEEN 20 MAR 2004. NEST MONITORED 4 MAY-16 AUG 2005; 2 FLEDGED.

Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 955 **Map Index:** 46157 **EO Index:** 46157
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-21
Site: 2005-08-21
Record Last Updated: 2005-11-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.39487º / -121.83962º
UTM: Zone-10 N4250265 E601330
Radius: 80 meters
Elevation: 50 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 02 **Qtr:** SW
Meridian: M

Location: EAST SIDE OF PITT SCHOOL ROAD, 2.5 MILES NORTH OF HAWKINS ROAD, 3.4 MILES SSW OF DIXON

Location Detail: NEST TREE IS THE TALLEST IN A RAGGED ROW OF EUCALYPTUS; A SMALL, BROKEN WINDMILL IS FOUND JUST NORTH OF THE ROW OF TREES. 2004 NEST LOCATED AT THE 90% HEIGHT OF THE SOUTH-LEANING TRUNK OF THE SECOND TREE FROM THE EAST.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY ALFALFA TO THE SW AND SE, AND CULTIVATED ELSEWHERE.

General: NO NEST FOUND IN 2000; HOWEVER, 2 FLEDGED. NEST ACTIVE IN 2001; 2 FLEDGED. INACTIVE IN 2002. NEST ACTIVE IN 2004; INCUBATION OBSERVED, BUT OUTCOME UNKNOWN. NEST ACTIVE IN 2005; INCUBATION OBSERVED, BUT NO CHICK DETECTED.

Owner/Manager: PVT

Occurrence No. 956 **Map Index:** 46160 **EO Index:** 46160
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-17
Site: 2005-08-17
Record Last Updated: 2005-12-06

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.43683º / -121.82384º
UTM: Zone-10 N4254939 E602648
Radius: 80 meters
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 23 **Qtr:** SE
Meridian: M

Location: SILVEYVILLE CEMETERY, ON THE WEST SIDE OF HIGHWAY 113, ON THE SOUTH EDGE OF DIXON

Location Detail: NEST IS LOCATED 5 FEET BELOW THE TOP OF THE TALLEST, ROUND-TOPPED PINE IN THE IMMEDIATE AREA; NEST FACES SOUTH. RELATIONSHIP OF THIS NEST SITE AND CNDDB #863 UNCLEAR.

Ecological: NEST TREE IS A PINE (~34 METERS TALL); SURROUNDED BY URBAN/CEMETERY TO THE SE, CEMETERY/ROW CROP TO THE SW, CEMETERY/URBAN TO THE NE, AND CEMETERY/ROW CROP TO THE NW.

General: NESTING SUSPECTED IN 2000, BUT NO NEST FOUND. NEST MONITORED 5 APR-2 AUG 2001; 1 FLEDGED. NEST MONITORED 7 APR-7 JUL 2002; 2 FLEDGED. NEST MONITORED 23 APR-18 JUL 2004; 1 FLEDGED. NEST MONITORED 1 MAY-17 AUG 2005; OCCUPIED, BUT NONE FLEDGED

Owner/Manager: UNKNOWN

Occurrence No. 957 **Map Index:** 46162 **EO Index:** 46162
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-08-10
Site: 2005-08-04
Record Last Updated: 2005-12-06

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.41730º / -121.81964º
UTM: Zone-10 N4252776 E603043
Area: 7.6 acres
Elevation: 50 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 01E
Section: 25 **Qtr:** SW
Meridian: M

Location: NORTH SIDE OF MIDWAY ROAD, 0.15 MILE EAST OF HIGHWAY 113, 1.5 MILES SOUTH OF DIXON

Location Detail: FIRST 2001 NEST DISAPPEARED; FINAL 2001 NEST WAS LOCATED AT THE 80% HEIGHT OF THE SECOND TREE NORTH OF FIRST NEST (AT 6659 MIDWAYROAD). 2002 NESTS BUILT IN TREES NEAR SOUTHERN END OF ROW. 2004 NEST NEAR MIDDLE OF ROW.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY PASTURE TO THE NE, HOUSE/PASTURE TO THE SE, AND PASTURE/INDUSTRIAL TO THE SW AND NW.

General: NEST MONITORED 4 APR-2 AUG 2001; 1 FLEDGED. NEST MONITORED 7 JUN-25 AUG 2002; NEST(S) BUILT, BUT NO YOUNG DETECTED. NEST MONITORED 21 MAR-10 AUG 2004; 1 FLEDGED. NEST MONITORED 1 MAY-4 AUG 2005; ADULT PRESENT, BUT NO NEST OR CHICK SEEN.

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Owner/Manager: PVT

Occurrence No. 958 **Map Index:** 46163 **EO Index:** 46163
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-07-21
Site: 2001-07-21
Record Last Updated: 2001-10-16

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.39554º / -121.86824º
UTM: Zone-10 N4250308 E598830
Radius: 1/10 mile
Elevation: 55 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 04 **Qtr:** NE
Meridian: M

Location: WEBER ROAD EUCALYPTUS GROVE, BETWEEN WEBER AND FOX ROADS, SW OF DIXON

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS (~32 METERS TALL); SURROUNDED BY ALFALFA/RUDERAL TO THE NE, ROW CROP/RUDERAL TO THE NW, PASTURE TO THE SW, AND UNKNOWN TO THE SE.

General: NESTING ACTIVITIES MONITORED FROM 3 MAY-21 JUL 2001; 1 CHICK OBSERVED ON 18 JUN 2001, 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 959 **Map Index:** 46164 **EO Index:** 46164
Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-08-02
Site: 2005-06-24
Record Last Updated: 2005-12-06

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.44565º / -121.85986º
UTM: Zone-10 N4255878 E599493
Radius: 80 meters
Elevation: 75 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 21 **Qtr:** NE
Meridian: M

Location: SOUTH SIDE OF WEST DIXON AVENUE, JUST WEST OF I-80, WEST OF DIXON

Location Detail: NEST TREE WAS LOCATED BETWEEN THE STOP SIGN FOR SCHROEDER ROAD AND THE I-80 FREEWAY. NEST WAS SMALL; AT THE 85% HEIGHT OF THE LARGEST BLACK WALNUT.

Ecological: NEST TREE WAS A BLACK WALNUT (~15 METERS IN HEIGHT); SURROUNDED BY ALFALFA TO THE SW, A WALNUT ORCHARD TO THE SW, THE URBAN FRINGE OF DIXON TO THE NE, AND BEANS/FRUIT STAND/RESTAURANT TO THE SE.

General: NEST MONITORED 24 MAY-2 AUG 2001; NEST PRESENT, BUT NO CHICKS SEEN. NEST MONITORED 13 APR-9 JUL 2002; ADULTS OBSERVED, BUT NO NEST FOUND. NEST SITE MONITORED 13 APR-16 JUL 2004; ONLY CROWS SEEN. POORLY OBSERVED IN 2005; ONLY 1 SWHA SIGHTING

Owner/Manager: PVT

Occurrence No. 960 **Map Index:** 46165 **EO Index:** 46165
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-09-08
Site: 2005-09-08
Record Last Updated: 2005-12-07

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.43616º / -121.87322º
UTM: Zone-10 N4254811 E598340
Radius: 80 meters
Elevation: 70 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 21 **Qtr:** SW
Meridian: M

Location: EAST BANK OF MCCLURE CREEK, JUST NORTH OF THE I-80 CROSSING, 2 MILES SW OF DIXON

Location Detail: 2001 NEST WAS LOCATED AT THE 85% HEIGHT, ON THE EAST SIDE, OF A SMALL WILLOW. 2004-2005 NEST WAS NOT VISIBLE, BUT IT WAS PRESUMED TO BE LOCATED IN A LARGER, DENSELY-FOILIAGED TREE.

Ecological: NEST TREE IS A RAGGED, LONE WILLOW (~16 METERS IN HEIGHT); SURROUNDED BY WHEAT TO THE NE AND NW, ALFALFA TO THE SW, AND ROW CROPS TO THE SE.

General: NEST MONITORED 17 JUN-2 AUG 2001; 1 FLEDGED. NEST SITE MONITORED 5 APR-8 AUG 2004; NEST NOT VISIBLE, BUT 1 YOUNG FLEDGED. NEST SITE MONITORED 30 APR-8 SEP 2005; NEST NOT VISIBLE, BUT 1 YOUNG FLEDGED.

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Owner/Manager: PVT

Occurrence No. 961 **Map Index:** 46171 **EO Index:** 46171

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-07-18
Site: 2005-07-17
Record Last Updated: 2005-12-07

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.40920º / -121.85893º
UTM: Zone-10 N4251834 E599624
Radius: 80 meters
Elevation: 65 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 07N
Range: 01E
Section: 34 **Qtr:** SW
Meridian: M

Location: EAST SIDE OF BATAVIA ROAD, IN BATAVIA, SW OF DIXON

Location Detail: NEST TREE WAS LOCATED ON THE EAST SIDE OF THE ROAD, NEAR THE NORTH EDGE OF TREES; NEST LOCATED AT THE 80% HEIGHT OF THE NEST TREE.

Ecological: NEST TREE WAS A BLACK WALNUT (~19 METERS IN HEIGHT); SURROUNDED BY BEANS TO THE NE, CORN TO THE NW, AND MIXED TREES/RUDERAL/HOUSES TO THE SE AND SW.

General: NEST MONITORED 18 JUN-2 SEP 2001; 2 CHICKS OBSERVED ON 18 JUN 2001, 1 FLEDGED. NEST MONITORED 13 APR-25 AUG 2002; 1 FLEDGED. NEST MONITORED 8 MAR-18 JUL 2004; INCUBATING ON 19 APR AND 24 MAY, BUT OUTCOME UNKNOWN. UNOCCUPIED IN 2005.

Owner/Manager: PVT

Occurrence No. 962 **Map Index:** 46172 **EO Index:** 46172

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-19
Site: 2005-08-19
Record Last Updated: 2005-12-07

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.40480º / -121.80463º
UTM: Zone-10 N4251406 E604372
Radius: 80 meters
Elevation: 40 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 07N
Range: 01E
Section: 36 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF PEDRICK ROAD, 0.8 MILE SOUTH OF MIDWAY ROAD, SOUTH OF DIXON

Location Detail: NEST TREE IS LOCATED ON THE WEST BANK OF THE DITCH ALONG THE WEST SIDE OF THE ROAD. NEST IS LOCATED AT 85% HEIGHT, ON THE NW SIDE OF THE TREE. RELATIONSHIP TO EO #390 IS UNCERTAIN.

Ecological: NEST TREE WAS A BLACK WALNUT (~14 METERS IN HEIGHT); SURROUNDED BY ALFALFA TO THE SW AND CULTIVATED IN ALL OTHER DIRECTIONS.

General: NEST MONITORED 21 JUN-18 AUG 2001; BY 24 JUL 2001, NEST FAILED. NEST MONITORED 12 MAY-23 JUL 2002; ADS DEFENDED 2001 NEST TREE, NO NEST FOUND. NEST MONITORED 1 FEB-10 AUG 2004; 2 FLEDGED. NEST MONITORED 1 APR-19 AUG 2005; 1 FLEDGED.

Owner/Manager: SOL COUNTY, PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 963 **Map Index:** 46176 **EO Index:** 46176
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-07-22
Site: 2005-08-01
Record Last Updated: 2005-09-15

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.48942º / -121.88595º
UTM: Zone-10 N4260707 E597158
Radius: 80 meters
Elevation: 95 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 05 **Qtr:** NE
Meridian: M

Location: SOUTH SIDE OF SIEVERS ROAD, 1.8 MILES WEST OF STEVENSON BRIDGE ROAD, 4 MILES NW OF DIXON

Location Detail: 2001 NEST TREE WAS THE SECOND BLACK WALNUT EAST OF 5688 SIEVERS ROAD; NEST WAS AT THE 85% HEIGHT OF THE NEST TREE.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDED BY ALFALFA TO THE SOUTH AND CULTIVATED LAND NORTH OF THE CANAL.

General: ADULTS DEFENDED THIS SITE IN 1999, BUT NO NEST FOUND. NEST MONITORED 13 MAR-22 JUL 2001; 1 FLEDGED. NEST SITE UNOCCUPIED IN 2000, 2002, AND 2004. NEST SITE MONITORED 31 MAR-1 AUG 2005; SINGLE ADULT SIGHTING ON 31 MAR, BUT NO YOUNG DETECTED.

Owner/Manager: UNKNOWN

Occurrence No. 964 **Map Index:** 46177 **EO Index:** 46177
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-09-09
Site: 2005-09-09
Record Last Updated: 2007-06-14

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.49617º / -121.89658º
UTM: Zone-10 N4261445 E596222
Radius: 80 meters
Elevation: 100 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 01E
Section: 31 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF GARNETT LANE, 0.4 MILE NORTH OF SIEVERS ROAD, 5 MILES NW OF DIXON.

Location Detail: 2001 NEST TREE WAS WEST OF THE WEST SHOULDER, WITH A LARGE FARMSTEAD TO THE NORTH AND SOUTH; NEST WAS AT THE 90% HEIGHT, ON THE NORTH SIDE. NEW NEST FOUND IN 2005 (LIKELY USED IN 2004).

Ecological: NEST TREE IS A LARGE BLACK WALNUT, LOCATED WITHIN A FARMSTEAD; SURROUNDED BY CULTIVATED LAND.

General: NESTING ACTIVITY MONITORED 30 MAR-2 AUG 2001; MATING BEHAVIOR ON 30 MAR. INACTIVE IN 2002. 1 SWHA OBSERVED ON 24 APR 2004; NESTING POSSIBLE. OLD NEST FOUND IN 2005, AND NEST WAS MONITORED 28 APR-9 SEP 2005; 2 FLEDGED.

Owner/Manager: PVT

Occurrence No. 965 **Map Index:** 46179 **EO Index:** 46179
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-12
Site: 2005-08-12
Record Last Updated: 2007-06-14

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.44670º / -121.94070º
UTM: Zone-10 N4255911 E592437
Radius: 80 meters
Elevation: 110 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01W
Section: 14 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF SWEANY CREEK, JUST EAST OF I-505 AND 0.5 MILE SOUTH OF ALLENDALE ROAD, 6 MILES WEST OF DIXON.

Location Detail: 2001 NEST TREE WAS THE TALLEST TREE WEST OF THE ROAD, ALONG SWEANY CREEK, ADJACENT TO A PRIVATE WILDLIFE SANCTUARY; NEST WAS AT THE 90% HEIGHT; THIS TREE WAS DAMAGED BY THE 2001 FIRE.

Ecological: NEST TREE IS A COTTONWOOD. THE WILDLIFE SANCTUARY BURNED, 13 JUN 2001, BUT STOPPED NEAR THE NEST TREE; A SECOND FIRE, BETWEEN 3-20 JUL 2001 DAMAGED THE NEST TREE AND SINGED THE NEST.

General: NEST MONITORED 31 MAR-22 JUL 2001; 2 FLEDGED. INACTIVE IN 2002 AND 2004. NEST MONITORED 29 APR-12 AUG 2005; APPARENT INCUBATION, BUT NO CHICK DETECTED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 966 **Map Index:** 46190 **EO Index:** 46190
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Decreasing

Dates Last Seen
Element: 2001-03-31
Site: 2005-07-26
Record Last Updated: 2007-06-14

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.39649º / -121.92959º
UTM: Zone-10 N4250350 E593472
Radius: 80 meters
Elevation: 85 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01W
Section: 01 **Qtr:** NW
Meridian: M

Location: WEST SIDE OF MILLS LANE, 0.1 MILE NORTH OF ELLSWORTH ROAD, NE OF VACAVILLE.

Location Detail: NEST TREE IS LOCATED WITHIN A EUCALYPTUS GROVE 149 METERS WEST OF MILLS LANE; NEST IS FOUND NEAR THE TOP OF THE THIRD TALLEST EUCALYPTUS FROM THE SOUTH, ALONG THE EASTERN EDGE.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY THE EUCALYPTUS GROVE TO THE WEST, PASTURE/RUDERAL TO THE EAST, AND A RESIDENCE TO THE SOUTH.

General: NEST SITE WAS MONITORED FROM 31 MAR-2 AUG 2001; BIRDS WERE SEEN AT THE NEST ON 31 MAR 2001, BUT THE NEST SUBSEQUENTLY DISAPPEARED. INACTIVE IN 2002, 2004, AND 2005.

Owner/Manager: PVT

Occurrence No. 967 **Map Index:** 46195 **EO Index:** 46195
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-05-16
Site: 2005-07-20
Record Last Updated: 2007-06-19

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.45014º / -121.89758º
UTM: Zone-10 N4256336 E596196
Radius: 80 meters
Elevation: 85 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01E
Section: 18 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF JAHN ROAD, 0.3 MILE NORTH OF DIXON AVENUE WEST, 3.5 MILES WEST OF DIXON.

Location Detail: NEST TREE IS THE LONE EUCALYPTUS AT THE SW CORNER OF THE FARMSTEAD AT 7933 JAHN ROAD; NEST IS LOCATED AT THE 85% HEIGHT AND SLIGHTLY SOUTH OF CENTER. NEW HOUSE AND DRIVEWAY ON SE SIDE OF NEST TREE IN 2002.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY PASTURE TO THE SE, A HOUSE TO THE NORTH, AND ALFALFA TO THE WEST.

General: NEST MONITORED 26 MAY-20 JUL 2001; 2 FLEDGED. NEST MONITORED 2 APR-24 JUL 2002; SWHA SITTING ON NEST 16 MAY 2002, BUT NO SIGHTING AFTER THAT. INACTIVE IN 2004. NEST SITE MONITORED 17 APR-20 JUL; ADULTS OBSERVED 17 & 30 APR 2005.

Owner/Manager: PVT

Occurrence No. 968 **Map Index:** 46197 **EO Index:** 46197
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-08-01
Site: 2005-08-22
Record Last Updated: 2007-06-19

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.39195º / -121.92734º
UTM: Zone-10 N4249848 E593674
Radius: 80 meters
Elevation: 85 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01W
Section: 01 **Qtr:** SW
Meridian: M

Location: SE OF I-80, 0.3 MILE EAST OF LEISURE TOWN ROAD, 6.5 MILES SW OF DIXON.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY TREES AND A RESIDENCE TO THE EAST AND RUDERAL IN ALL OTHER DIRECTIONS.

General: NEST MONITORED 26 MAY-1 AUG 2001; 1 FLEDGED. INADEQUATE OBSERVATION IN 2002 AND 2004, BUT PRESUMED INACTIVE. NEST SITE MONITORED 10 JUN-22 AUG; ADULTS OBSERVED 10 JUL, 26 JUL, AND 7 AUG 2005.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 969 **Map Index:** 46198 **EO Index:** 46198
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-06
Site: 2005-08-06
Record Last Updated: 2007-06-18

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.47507º / -121.91046º
UTM: Zone-10 N4259090 E595039
Area: 28.0 acres
Elevation: 95 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 01E
Section: 07 **Qtr:** NW
Meridian: M

Location: ALONG THE SOUTH EDGE OF THISSELL ROAD, EXTENDING 0.5-0.9 MILE EAST OF HALLEY ROAD, 5 MILES NW OF DIXON.

Location Detail: 2001-2002 NEST WAS LOCATED AT THE 85% HEIGHT OF THE TALLEST EUCALYPTUS IN THE IMMEDIATE AREA. THEREAFTER, NESTS HAVE BEEN FOUND IN OTHER TREES ALONG THIS ROW, BUT NEVER MORE THAN ONE PAIR NESTING.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY CULTIVATED LAND TO THE SOUTH AND ALFALFA TO THE NORTH.

General: NEST MONITORED 9 APR-18 AUG 2001; NO FLEDGLINGS OBSERVED. NEST MONITORED 28 APR-24 JUL 2002; NO FLEDGLINGS OBSERVED. BEGGING CALLS HEARD ON 16 JUL 2004, WHICH MAY HAVE BEEN A FLEDGLING. NEST MONITORED 16 APR-6 AUG 2005; 1 FLEDGED.

Owner/Manager: SOL COUNTY, PVT

Occurrence No. 970 **Map Index:** 46200 **EO Index:** 46200
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-14
Site: 2005-08-14
Record Last Updated: 2007-06-19

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.40806º / -121.91521º
UTM: Zone-10 N4251648 E594712
Area: 10.7 acres
Elevation: 80 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 01E
Section: 31 **Qtr:** SW
Meridian: M

Location: EAST AND WEST SIDES OF MERIDIAN ROAD, 0.5 MILE SOUTH OF MIDWAY ROAD, 5 MILES SW OF DIXON.

Location Detail: RESSEGUIE'S ALLENDALE 49 & 56. 2002 NEST WAS LOCATED AT THE 80% HEIGHT OF THE SOUTHERNMOST EUCALYPTUS, WEST OF MERIDIAN ROAD. 2004-2005 NEST LOCATED EAST OF MERIDIAN ROAD, IN THE TALLEST BLUE GUM EUCALYPTUS IN AN EAST-WEST ROW.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY ALFALFA TO THE NORTH AND RUDERAL TO THE SOUTH AND WEST.

General: NEST MONITORED 14 JUN-20 JUL 2001; 1 CHICK OBSERVED ON 18 JUN 2001. NEST MONITORED 28 APR-24 JUL 2002; 1 FLEDGED. NEST MONITORED 22 MAR-29 JUL 2004; 3 YOUNG FLEDGED. NEST MONITORED 13 MAR-14 AUG 2005; NO CHICK SEEN.

Owner/Manager: PVT

Occurrence No. 971 **Map Index:** 46204 **EO Index:** 46204
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-02
Site: 2005-08-02
Record Last Updated: 2007-06-20

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.41525º / -121.91578º
UTM: Zone-10 N4252446 E594653
Radius: 80 meters
Elevation: 85 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01W
Section: 36 **Qtr:** NE
Meridian: M

Location: WEST SIDE OF HIGHWAY 113, IN THE OLD CEMETERY OPPOSITE BINGHAMPTOM ROAD, 5 MILES NE OF VACAVILLE.

Location Detail: NEST TREE IS THE FIRST LARGE EUCALYPTUS SOUTH OF THE DRIVEWAY LEADING TO 7281 MERIDIAN ROAD; NEST IS AT THE 90% HEIGHT OF THE NEST TREE.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY CULTIVATED LAND TO THE EAST AND LARGE-LOT RESIDENTSIAL TO THE WEST.

General: NEST WAS MONITORED FROM 18 JUN-1 AUG 2001; 1 CHICK OBSERVED ON 20 JUL 2001, 1 FLEDGED. INACTIVE IN 2002 AND 2004 (INADEQUATE OBSERVATION). NEST MONITORED 17 APR-2 AUG 2005; 1 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 976 **Map Index:** 46286 **EO Index:** 46286
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-06-XX
Site: 2001-06-XX
Record Last Updated: 2001-10-25

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.37311º / -121.96210º
UTM: Zone-10 N4247723 E590662
Radius: 1/10 mile
Elevation: 105 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01W
Section: 15 **Qtr:** SE
Meridian: M

Location: PINE TREE CREEK, ADJACENT TO THE NUT TREE/SOLANO COUNTY AIRPORT, VACAVILLE

Location Detail: NEST TREE IS LOCATED WITHIN A LINE OF EUCALYPTUS TREES BORDERING THE NUT TREE AND PINE TREE CREEK.

Ecological: NEST TREE IS A EUCALYPTUS; SURROUNDED BY OPEN GRASSLAND/RUDERAL AREAS USED FOR FORAGING.

Threat: THREATENED BY PROPOSED DEVELOPMENT.

General: THIS PAIR HAS REPORTEDLY NESTED AT THE NUT TREE SINCE 1996. NEST SITE WAS MONITORED FROM MAY-AUG 2000; 1 JUVENILE SUCCESSFULLY FLEDGED IN AUG 2000. PAIR MONITORED FROM MAY-JUNE 200, NO INFORMATION ON NESTING SUCCESS.

Owner/Manager: PVT

Occurrence No. 982 **Map Index:** 46327 **EO Index:** 46327
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-07-24
Site: 2005-08-05
Record Last Updated: 2007-06-28

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35088º / -121.82399º
UTM: Zone-10 N4245401 E602758
Radius: 80 meters
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 23 **Qtr:** SE
Meridian: M

Location: OLD CEMETERY OPPOSITE BINGHAMPTON ROAD, WEST OF HIGHWAY 113, 6 MILES SOUTH OF DIXON.

Ecological: NEST TREE IS AN ALEPPO PINE; SURROUNDED BY ALFALFA TO THE SE, SW, AND NW, AND ROW CROPS AND OSAGE ORANGES TO THE NE.

General: SWHA MAY HAVE NESTED AT THIS SITE IN 2000. NEST MONITORED 5 APR-24 AUG 2001; 1 FLEDGED. NEST MONITORED 13 MAY-24 JUL 2002; 1 FLEDGED. NEST SITE MONITORED 23 APR-28 JUL; ADULTS AND POSSIBLE NEST. INACTIVE IN 2005.

Owner/Manager: UNKNOWN

Occurrence No. 984 **Map Index:** 46385 **EO Index:** 46385
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-16
Site: 2005-07-16
Record Last Updated: 2007-07-03

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.32965º / -121.80244º
UTM: Zone-10 N4243070 E604672
Radius: 80 meters
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 30 **Qtr:** SW
Meridian: M

Location: NORTH SIDE OF MAINE PRAIRIE ROAD, 0.1 MILE EAST OF PEDRICK ROAD, 8 MILES NE OF TRAVIS FIELD.

Location Detail: NEST TREE IS A RAGGED RED GUM EUCALYPTUS, ON THE NORTH SIDE OF THE ROAD, PARALLELING THE ENTRANCE DRIVE WEST OF THE HOUSE. NEST IS LOCATED AT THE 80% HEIGHT, ON THE NORTH SIDE OF THE TREE.

Ecological: NEST TREE IS A RED GUM EUCALYPTUS; SURROUNDED BY PASTURE TO THE SW AND NW, AND PASTURE AND ALFALFA TO THE SE AND NW.

General: REPORTEDLY NESTED HERE IN PREVIOUS YEARS. NEST MONITORED 28 MAR-27 AUG 2001; 2 CHICKS, 1 FLEDGED. NEST MONITORED 12 MAY-24 JUL 2002; 1 FLEDGED. NEST MONITORED 12 APR-17 AUG 2004; 1 FLEDGED. NEST MONITORED 1 APR-16 JUL 2005; 1 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 985 **Map Index:** 46386 **EO Index:** 46386
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-16
Site: 2005-08-16
Record Last Updated: 2007-07-03

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.34738º / -121.85984º
UTM: Zone-10 N4244974 E599630
Radius: 80 meters
Elevation: 35 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01E
Section: 22 **Qtr:** SW
Meridian: M

Location: EAST SIDE OF CLARK ROAD, 0.75 MILE SOUTH OF HAWKINS ROAD AND 0.7 MILE NORTH OF FRY ROAD, 6 MILES NE OF TRAVIS FIELD.

Location Detail: LOCATED WITHIN A DEFUNCT FARMSTEAD ON THE EAST SIDE OF CLARK ROAD; NEST TREE IS THE TALLEST, RAGGED EUCALYPTUS WITHIN A LOOSE GROUP OF EUCALYPTUS TREES NEAR THE BARN.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY SUDAN GRASS TO THE NE AND SE, PASTURE TO THE SW, AND HOUSE AND PASTURE TO THE NW.

General: NEST MONITORED 4 APR-23 JUL 2001; NEST-BUILDING ON 4 APR 2001, BUT ABANDONED SOON AFTER. INACTIVE IN 2002. NEST MONITORED 23 APR-18 JUN 2004; NEST BUILDING, 23 APR, BUT NEST GONE ON 17 JUN 2004. NEST MONITORED 4 MAY-16 AUG 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 986 **Map Index:** 46387 **EO Index:** 46387
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-04-25
Site: 2005-08-05
Record Last Updated: 2007-07-03

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.33113º / -121.86921º
UTM: Zone-10 N4243160 E598833
Radius: 80 meters
Elevation: 45 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01E
Section: 28 **Qtr:** SW
Meridian: M

Location: WEST SIDE OF DALLY ROAD, 0.4 MILE SOUTH OF FRY ROAD, 5 MILES NE OF TRAVIS FIELD.

Location Detail: NEST TREE LOCATED AT A FARMSTEAD AT 5663 FRY ROAD; NEST IS AT THE 80% HEIGHT OF THE NORTHERNMOST EUCALYPTUS.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS (20 METERS TALL); SURROUNDED BY ALFALFA TO THE NE, PASTURE TO THE NW AND SW, AND PASTURE/FARMSTEAD TO THE SW.

General: NEST MONITORED 25 APR-3 AUG 2001; NEST-BUILDING, 25 APR 2001. INACTIVE IN 2002, 2004, AND 2005.

Owner/Manager: PVT

Occurrence No. 987 **Map Index:** 46388 **EO Index:** 46388
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-08-03
Site: 2005-08-05
Record Last Updated: 2007-07-03

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.33510º / -121.81388º
UTM: Zone-10 N4243661 E603664
Radius: 80 meters
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01E
Section: 25 **Qtr:** XX
Meridian: M

Location: 0.6 MILE NW OF THE INTERSECTION OF MAINE PRAIRIE ROAD AND PEDRICK ROAD, 7.5 MILES NE OF TRAVIS FIELD.

Location Detail: NEST SITE IS LOCATED ON THE JACKSON BROWN FARMSTEAD, BETWEEN HIGHWAY 113 AND PEDRICK ROAD. NEST IS LOCATED AT THE 80% HEIGHT OF THE LARGE, NORTH EUCALYPTUS.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY PASTURE TO THE NE AND SW, ALFALFA TO THE SE, AND PASTURE/ALFALFA TO THE NW.

General: NEST MONITORED 26 APR-3 AUG 2001; NONE FLEDGED. NEST SITE MONITORED 16 MAY-13 JUL 2004; BUTEO FLYING TIGHT LOOPS AS IF NEST-BUILDING ON 16 MAY 2004. INADEQUATELY OBSERVED IN 2005 (NEW LANDOWNER); NO NESTING CONFIRMED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 988 **Map Index:** 46389 **EO Index:** 46389

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Unknown

Dates Last Seen
Element: 2001-05-07
Site: 2005-07-22
Record Last Updated: 2007-06-26

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.36949º / -121.87845º
UTM: Zone-10 N4247407 E597974
Radius: 80 meters
Elevation: 55 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 06N
Range: 01E
Section: 17 **Qtr:** NE
Meridian: M

Location: WEST SIDE OF FOX ROAD, 0.75 MILE NORTH OF HAWKINS ROAD, 2.2 MILES NE OF ELMIRA.

Location Detail: NEST TREE WAS THE LONE EUCALYPTUS ON THE WEST SIDE OF FOX ROAD, ON THE SOUTH SIDE OF THE CANAL. SITE MOST LIKELY EXTIRPATED AS A SWHA NEST SITE, AS RAVENS HAVE CLAIMED THIS NEST SINCE 2002.

Ecological: NEST TREE WAS A BLUE GUM EUCALYPTUS; SURROUNDED BY CORN TO THE NW AND SW, AND SUDAN GRASS TO THE NE AND SE.

General: NEST MONITORED 29 MAR-2 AUG 2001; 1 IMMATURE SWHA OBSERVED PERCHED NEAR THE TOP OF THE NEST TREE, 7 MAY 2001. RAVENS NESTED AT THIS SITE IN 2002, 2004, AND 2005.

Owner/Manager: PVT

Occurrence No. 989 **Map Index:** 46390 **EO Index:** 46390

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-08-20
Site: 2005-08-12
Record Last Updated: 2007-06-26

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.35065º / -121.89355º
UTM: Zone-10 N4245301 E596680
Radius: 80 meters
Elevation: 60 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 06N
Range: 01E
Section: 20 **Qtr:** SW
Meridian: M

Location: SOUTH SIDE OF HOLDENER ROAD, 0.2 MILE EAST OF LEWIS ROAD, 0.7 MILE EAST OF ELMIRA.

Location Detail: NEST TREE WAS LOCATED ON A SPRAWLING FARMSTEAD WITH SCATTERED TREES.

Ecological: NEST TREE WAS A EUCALYPTUS (BLUE GUM); SURROUNDED BY CORN AND ALFALFA TO THE SE, PASTURE AND ALFALFA TO THE NE, HOUSE AND CORN TO THE SW, AND ROW CROPS TO THE NORTH AND NW.

General: NEST MONITORED 3 APR-20 AUG 2001; BIRD ON NEST, 24 MAY 2001, BUT NO CHICKS OBSERVED. NEST SITE MONITORED IN 2002, 2004, AND 2005, BUT ONLY ADULTS WERE OBSERVED (NO NEST OR YOUNG).

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 990 **Map Index:** 46391 **EO Index:** 46391

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-24
Site: 2005-07-24
Record Last Updated: 2007-10-02

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.34853º / -121.91036º
UTM: Zone-10 N4245048 E595214
Radius: 80 meters
Elevation: 70 ft

Mapping Precision SPECIFIC
Symbol Type: POINT

Township: 06N
Range: 01E
Section: 19 **Qtr:** SW
Meridian: M

Location: ELMIRA ROAD AT A STREET, ELMIRA.

Location Detail: 2000 NEST WAS LOCATED IN A LONE, GIANT EUCALYPTUS; 2001 NEST WAS AT THE 90% HEIGHT OF THE TREE, ON THE SE SIDE, AND THE 2002 NEST WAS AT THE 85% HEIGHT, ON THE SW SIDE.

Ecological: NEST TREE WAS A BLUE GUM EUCALYPTUS; LOCATED WITHIN THE TOWN OF ELMIRA.

General: NEST MONITORED 3 APR-10 AUG 2001; INCUBATION, BUT NO CHICK. NEST MONITORED 13 APR-24 JUL 2002; 1 FLEDGED. RSHA NEST-BUILDING DURING MAY; SWHA PRESENT DURING JUL 2004 (OUTCOME UNKNOWN). NEST MONITORED 17 APR-24 JUL 2005; 2 FLEDGED.

Owner/Manager: UNKNOWN

Occurrence No. 994 **Map Index:** 47401 **EO Index:** 47401

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Decreasing

Dates Last Seen
Element: 2002-07-18
Site: 2005-07-22
Record Last Updated: 2007-06-26

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.36875º / -121.89305º
UTM: Zone-10 N4247310 E596699
Radius: 80 meters
Elevation: 60 ft

Mapping Precision SPECIFIC
Symbol Type: POINT

Township: 06N
Range: 01E
Section: 17 **Qtr:** NW
Meridian: M

Location: ALONG THE RAILROAD TRACKS, NE OF LEWIS ROAD, NNE OF ELMIRA.

Location Detail: SWHA PAIR IS USING TWO EUCALYPTUS TREES, BETWEEN THE RAILROAD TRACK AND A DIRT ROAD EAST ALONG A FIELD EDGE.

Ecological: NEST TREE(S) IS A EUCALYPTUS; SURROUNDED BY FIELDS PLANTED IN CORN. NEST NOT VISIBLE. 2 BLUE GUMS (CENTER OF SWHA ACTIVITY) ELIMINATED PRIOR TO 18 APR 2004.

Threat: THREATENED BY TREE REMOVAL (TREES ARE MARKED), PROBABLY DUE TO POWER LINE INTERFERENCE.

General: NEST SITE MONITORED 23 APR-25 AUG 2001; NEST WAS NOT VISIBLE, NO FLEDGLINGS DETECTED. NEST SITE MONITORED 11 MAY-18 JUL 2002; NEST NOT VISIBLE, NO FLEDGLINGS DETECTED. INACTIVE IN 2004 AND 2005.

Owner/Manager:

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

UNKNOWN

Occurrence No. 995 **Map Index:** 47402 **EO Index:** 47402

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Decreasing

Dates Last Seen
Element: 2001-07-23
Site: 2005-08-03
Record Last Updated: 2007-06-26

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.36993º / -121.90528º
UTM: Zone-10 N4247428 E595629
Radius: 80 meters
Elevation: 70 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 18 **Qtr:** NE
Meridian: M

Location: EAST SIDE OF BYRNES ROAD, BETWEEN THE TWO FORKS OF ULATIS CREEK, 1.3 MILES NORTH OF ELMIRA

Location Detail: NEST WAS LOCATED AT THE 80% HEIGHT OF A SMALL ENGLISH WALNUT TREE, IN THE 4TH ROW FROM THE EDGE OF THE ORCHARD.

Ecological: NEST TREE WAS AN ENGLISH WALNUT; SURROUNDED BY ROW CROPS TO THE NE AND NW AND A FARMSTEAD AND RAGGED WALNUT ORCHARD TO THE SE AND SW.

General: NEST MONITORED 4 MAY-23 JUL 2001; 2 FLEDGED. INACTIVE IN 2002, 2004, AND 2005.

Owner/Manager: PVT

Occurrence No. 996 **Map Index:** 47403 **EO Index:** 47403

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-24
Site: 2005-07-24
Record Last Updated: 2007-06-26

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.34707º / -121.90312º
UTM: Zone-10 N4244893 E595848
Radius: 80 meters
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 19 **Qtr:** SE
Meridian: M

Location: ALONG DALLY MAIN CANAL, 0.15 MILE EAST OF VACA STATION ROAD, JUST NORTH OF THE SEWAGE TREATMENT PLANT, ELMIRA

Location Detail: NEST WAS LOCATED AT THE 90% HEIGHT OF A NEARLY-DEAD WILLOW, BETWEEN THE CANAL ON THE NORTH AND ALAMO CREEK ON THE SOUTH.

Ecological: NEST TREE WAS A WILLOW; SURROUNDED BY THE SEWAGE TREATMENT PLANT TO THE SE AND SW, AND SUDAN GRASS TO THE NE AND

General: NEST MONITORED 7 JUL-23 JUL 2001; 2 FLEDGED. INACTIVE IN 2002. NEST SITE MONITORED 13 MAY-1 AUG 2004; SWHA DEFENDING NEST TREE 15 JUN 2004. NEST SITE MONITORED 17 APR-24 JUL 2005; 1 FLEDGED.

Owner/Manager: UNKNOWN

Occurrence No. 1024 **Map Index:** 50759 **EO Index:** 50759

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-22
Site: 2005-08-22
Record Last Updated: 2007-07-10

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.48402º / -121.67717º
UTM: Zone-10 N4260350 E615375
Radius: 80 meters
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 03E
Section: 06 **Qtr:** NE
Meridian: M

Location: WEST SIDE OF ROAD 105, 0.25 MILE SOUTH OF ROAD 36, 5 MILES SE OF DAVIS.

Location Detail: NEST TREE IS LOCATED IN THE SE CORNER OF A MIGRANT LABOR CAMP. 2001 NEST WAS FOUND AT THE 95% HEIGHT OF THIS SLENDER TREE. 2002 NEST WAS IN A SMALL PINE NEAR THE SOUTH EDGE OF THE CAMP. 2005 NEST TREE WAS IN A BLUE GUM SOUTH OF THE PINE.

Ecological: NEST TREE WAS A SMALL PINE; SURROUNDED BY ALFALFA TO THE EAST AND SE, WHEAT TO THE SOUTH, AND THE MIGRANT CAMP TO THE NORTH AND WEST.

General: NEST MONITORED, 8 APR-24 SEP 2001; NEST DISAPPEARED BEFORE 28 MAY 2001. NEST MONITORED 4 APR-17 JUL 2002; 0 FLEDGED. INACTIVE IN 2004 (POORLY OBSERVED). NEST MONITORED 26 FEB-22 AUG 2005; 2 FLEDGED.

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Owner/Manager: PVT

Occurrence No. 1027 **Map Index:** 50763 **EO Index:** 50763
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-06-21
Site: 1999-06-21
Record Last Updated: 2003-03-26

Quad Summary: Rio Vista (3812126/480B)
County Summary: Solano

Lat/Long: 38.24010º / -121.66566º
UTM: Zone-10 N4233297 E616771
Radius: 80 meters
Elevation: 1 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 03E
Section: 32 **Qtr:** NE
Meridian: M

Location: SOUTH END OF PROSPECT ISLAND, ALONG MINER SLOUGH, 5 MILES NORTH OF RIO VISTA

Ecological: NEST TREE IS LOCATED WITHIN A DIMINISHED RIPARIAN AREA, ALONG A LEVEE AND SLOUGH; GOOD FORAGING CROPS NEARBY; SURROUNDED BY AGRICULTURE AND RESTORED WETLANDS.

General: 2 ADULTS AND 1 CHICK OBSERVED AT THE NEST ON 21 JUN 1999.

Owner/Manager: UNKNOWN

Occurrence No. 1148 **Map Index:** 51076 **EO Index:** 51076
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-16
Site: 2005-07-16
Record Last Updated: 2005-09-19

Quad Summary: Liberty Island (3812136/497C)
County Summary: Solano

Lat/Long: 38.31484º / -121.69817º
UTM: Zone-10 N4241549 E613808
Radius: 80 meters
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 36 **Qtr:** XX
Meridian: M

Location: NORTH SIDE OF LOOKOUT SLOUGH, 0.25 MILE WEST OF SHAG SLOUGH, 2.5 MILES WEST OF THE SACRAMENTO RIVER DEEP WATER

Location Detail: 2002/2004 NEST LOCATED AT THE 75% HEIGHT, ON THE NORTH SIDE, OF THE TALLEST TREE ON THE NORTH SIDE OF LOOKOUT SLOUGH. 2005 NEST LOCATED ON THE WEST SIDE OF THE SAME NEST TREE.

Ecological: NEST TREE IS THE TALLEST COTTONWOOD ON THE NORTH SIDE OF LOOKOUT SLOUGH SURROUNDING FORAGING HABITAT CONSISTS OF PASTURE TO THE NORTH AND SOUTH.

General: NEST MONITORED 27 APR-25 JUL 2001; 2 FLEDGED. NEST MONITORED 4 APR-23 JUL 2002; 1 FLEDGED. NEST MONITORED 18 MAR-15 AUG 2004; ACTIVE THROUGH 18 MAY, BUT NO SIGHTINGS THEREAFTER. NEST MONITORED 9 MAY-16 JUL 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1149 **Map Index:** 51077 **EO Index:** 51077
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-29
Site: 2005-07-29
Record Last Updated: 2007-07-10

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.49388º / -121.70479º
UTM: Zone-10 N4261409 E612951
Radius: 80 meters
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 02E
Section: 36 **Qtr:** XX
Meridian: M

Location: SOUTH SIDE OF TREMONT ROAD, 0.5 MILE WEST OF MACE BOULEVARD, 4 MILES SE OF DAVIS.

Location Detail: NEST TREE WAS LOCATED IN THE SW CORNER OF A CHURCHYARD; NEST IS LOCATED AT THE 90% HEIGHT OF THE NEST TREE. NEST WAS NOT VISIBLE FROM THE ROAD.

Ecological: NEST TREE IS A PINE; SURROUNDING FORAGING HABITAT CONSISTS OF CORN TO THE WEST, ALFALFA TO THE SOUTH AND EAST, AND WHEAT TO THE NORTH ACROSS THE ROAD.

General: NEST MONITORED 22 MAR-10 JUL 2001; 2 FLEDGED. NEST SITE MONITORED, 4 APR-15 JUL 2002; NO ACTIVE NEST FOUND. ADULTS DEFENDED THE NEST TREE IN 2004, BUT EARLY DISTURBANCE CAUSED ABANDONMENT. NEST MONITORED 1 APR-29 JUL 2005; 2 FLEDGED.

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Owner/Manager: PVT

Occurrence No. 1150 **Map Index:** 51078 **EO Index:** 51078
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-04-29
Site: 2005-06-20
Record Last Updated: 2007-07-10

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.41314º / -121.72177º
UTM: Zone-10 N4252429 E611594
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 35 **Qtr:** NW
Meridian: M

Location: WEST SIDE OF BULKLEY ROAD, 0.2 MILE SOUTH OF MIDWAY ROAD, 6 MILES SE OF DIXON.

Location Detail: NEST TREE WAS LOCATED NEAR THE CENTER OF A ROW OF SMALL, DECIDUOUS TREES ALONG A DITCH LEVEE; NEST LOCATED AT THE 80% HEIGHT OF THE NEST TREE.

Ecological: NEST TREE WAS A LOCUST; SURROUNDING FORAGING HABITAT CONSISTS OF CORN TO THE WEST, ALFALFA TO THE EAST, WHEAT TO THE NW, AND SUDAN GRASS TO THE NE.

General: NEST SITE MONITORED BETWEEN 27 MAR-18 AUG 2001; NO RAPTORS SEEN AT THIS SITE AFTER 29 APR 2001. INACTIVE IN 2002, 2004, AND 2005.

Owner/Manager: PVT

Occurrence No. 1151 **Map Index:** 51080 **EO Index:** 51080
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-16
Site: 2005-07-16
Record Last Updated: 2007-09-11

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.49517º / -121.74037º
UTM: Zone-10 N4261509 E609846
Radius: 80 meters
Elevation: 45 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 02E
Section: 34 **Qtr:** SE
Meridian: M

Location: SOUTH SIDE OF TREMONT ROAD, 0.4 MILE WEST OF EGGERT ROAD, EAST OF DIXON.

Location Detail: RESSEGUIE'S SAXON 5.5. IN 2001, THE FIRST NEST TREE WAS THE LARGER, NORTHERN TREE; FINAL NEST WAS THE SMALLER, SOUTHERN TREE, WITH THE NEST AT THE 75% HEIGHT. 2002 NEST WAS AT THE 85% HEIGHT OF THE NORTHERN TREE.

Ecological: NEST TREE IS A LOCUST; SURROUNDING FORAGING HABITAT CONSISTS OF CULTIVATED LAND IN ALL DIRECTIONS.

General: NEST MONITORED 27 MAR-25 JUL 2001; 3 FLEDGED. NEST MONITORED 15 APR-28 JUL 2002; 1 FLEDGED. INACTIVE IN 2004. NEST MONITORED 23 APR-16 JUL 2005; 2 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1152 **Map Index:** 51083 **EO Index:** 51083

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-16
Site: 2005-07-16
Record Last Updated: 2007-07-16

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.40931º / -121.70899º
UTM: Zone-10 N4252019 E612716
Area: 8.1 acres
Elevation: 25 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 07N
Range: 02E
Section: 36 **Qtr:** NW
Meridian: M

Location: 0.1 MILE WEST OF YOLANO ROAD, 6 MILES SE OF DIXON.

Location Detail: 2001 NEST TREE IS THE TALLEST SYCAMORE IN THE EASTERN 1/3 OF THE RIPARIAN STRIP WEST OF YOLANO ROAD; NEST LOCATED AT THE 75% HEIGHT OF THE TREE CENTER. 2002 NEST FOUND IN THE FIRST RIPARIAN TREE WEST OF THE GAP; NEST AT 75% HEIGHT.

Ecological: NEST TREE IS ONE OF TWO SYCAMORES; SURROUNDING FORAGING HABITAT CONSISTS OF A LARGE HAY STORAGE AREA TO THE NORTH AND CORN TO THE SOUTH.

General: NEST MONITORED 8 APR-25 JUL 2001; 3 FLEDGED. NEST MONITORED 4 APR-1 AUG 2002; POSSIBLY 2 MISSED FLEDGLINGS, 23 JUL 2002. NEST MONITORED 7 APR-5 AUG 2004; 2 FLEDGED. NEST MONITORED 22 APR-16 JUL 2005; 2 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1153 **Map Index:** 51084 **EO Index:** 51084

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-24
Site: 2005-08-24
Record Last Updated: 2007-07-10

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.40128º / -121.69953º
UTM: Zone-10 N4251140 E613554
Radius: 80 meters
Elevation: 20 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 02E
Section: 01 **Qtr:** NE
Meridian: M

Location: SOUTH SIDE OF KING ROAD, 0.3 MILE WEST OF WEST LEVEE ROAD, 7 MILES SE OF DIXON.

Location Detail: SITE IS LOCATED AT FARMSTEAD #8364; NEST IS AT THE 95% HEIGHT OF THE MAIN TOP OF THE NE WILLOW, IN THE NE PORTION OF THE FARMSTEAD. SITE IS BARELY VISIBLE FROM THE ROAD.

Ecological: NEST TREE IS A WILLOW; SURROUNDING FORAGING HABITAT CONSISTS OF A EXTENSIVE ALFALFA TO THE NORTH OF THE ROAD, PASTURE CLOSE TO THE FARMSTEAD SOUTH OF THE ROAD, AND CORN IN MOST OF THE AREA SOUTH OF THE ROAD.

General: NEST SITE MONITORED 8 APR-10 JUL 2001; 2 FLEDGED. NEST MONITORED 4 APR-28 JUL 2002; 1 FLEDGED. NEST MONITORED 7 APR-28 JUL 2004; 2 FLEDGED. NEST MONITORED 11 APR-24 AUG 2005; 3 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1154 **Map Index:** 51085 **EO Index:** 51085
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-22
Site: 2005-08-22
Record Last Updated: 2007-07-10

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.42018º / -121.74250º
UTM: Zone-10 N4253185 E609774
Radius: 80 meters
Elevation: 35 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 02E
Section: 27 **Qtr:** SW
Meridian: M

Location: 0.25 MILE NORTH OF MIDWAY ROAD AND 0.35 MILE EAST OF SIKES ROAD, 4 MILES SE OF DIXON.

Location Detail: 2001 NEST WAS LOCATED AT THE 90% HEIGHT, ON THE NORTH SIDE OF A LARGE BLACK WALNUT, JUST NW OF THE #7755 FARMSTEAD HOUSE.

Ecological: NEST TREE IS A LARGE BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTS OF SUDAN GRASS TO THE NW AND EAST, AND ALFALFA TO THE SW.

General: NEST MONITORED BETWEEN 29 APR-3 AUG 2001; 1 FLEDGED. SWHA PRESENT IN APR-MAY 2004, BUT THE ONLY NEST SEEN CONTAINED GHOW CHICKS. NEST MONITORED 23 APR-22 AUG 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1155 **Map Index:** 51086 **EO Index:** 51086
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-06-19
Site: 2005-06-19
Record Last Updated: 2007-07-12

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.44897º / -121.72236º
UTM: Zone-10 N4256404 E611488
Radius: 80 meters
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 02E
Section: 14 **Qtr:** SW
Meridian: M

Location: WEST SIDE OF BULKLEY ROAD, 0.25 MILE SOUTH OF HACKMAN ROAD, 5 MILES EAST OF DIXON.

Location Detail: 2001 NEST TREE LOCATED AT THE FRONT OF THE #7901 FARMSTEAD HOUSE; NEST FOUND AT THE 85% HEIGHT OF THE NEST TREE. 2002 NEST LOCATED AT 2/3 HEIGHT OF THE LOCUST AT THE NE CORNER OF THE RED BARN.

Ecological: NEST TREE IS A LONE, TALL PINE; SURROUNDING FORAGING HABITAT CONSISTS OF PASTURE TO THE SOUTH, CULTIVATED TO THE EAST AND WEST, AND ALFALFA TO THE NE.

General: NEST MONITORED 29 APR-25 JUL 2001; 2 FLEDGED. NEST MONITORED 4 APR-23 JUL 2002; INCUBATION NOTED ON 3 MAY 2002, BUT NO LATER SIGHTINGS. NEST MONITORED 7 APR-28 JUL 2004; 1 FLEDGED. NEST-BUILDING OBSERVED 19 JUN 2005; NO LATER SIGHTINGS.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1156 **Map Index:** 51087 **EO Index:** 51087
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-07-28
Site: 2005-08-10
Record Last Updated: 2007-07-12

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.48671º / -121.69480º
UTM: Zone-10 N4260625 E613833
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 01 **Qtr:** NE
Meridian: M

Location: SOUTH SIDE OF ROAD 36, IN THE JOG OF ROAD 104, 7 MILES NE OF DIXON.

Location Detail: NEST LOCATED AT 2/3 HEIGHT, ON THE SOUTH SIDE, OF THE LONE TALL PINE, ON THE WEST SIDE OF THE FARMSTEAD.

Ecological: NEST TREE IS A LONE, TALL PINE; SURROUNDING FORAGING HABITAT CONSISTS OF PASTURE TO THE WEST, WITH A FARMSTEAD TO THE SOUTH AND EAST.

General: NEST MONITORED 30 APR-10 AUG 2001; 1 FLEDGED. NEST SITE MONITORED 4 APR-28 JUL 2002; ONE SIGHTING OF BUTEO ON THE NEST, AND A SWHA FLEDGLING OF UNKNOW ORIGIN NEARBY, 5 JUL 2002. INACTIVE IN 2004 AND 2005.

Owner/Manager: PVT

Occurrence No. 1157 **Map Index:** 51088 **EO Index:** 51088
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-24
Site: 2005-08-24
Record Last Updated: 2007-07-16

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.48044º / -121.74991º
UTM: Zone-10 N4259863 E609036
Radius: 80 meters
Elevation: 40 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 03 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF SIKES ROAD, 1 MILE SOUTH OF TREMONT ROAD, 4 MILES NE OF DIXON.

Location Detail: 2001-2002 NEST TREE WAS THE SECOND BLACK WALNUT FROM THE NORTH, IN A ROW BETWEEN THE ROAD AND DITCH TO THE WEST; NEST FOUND AT THE 90% HEIGHT, NORTH OF CENTER.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTS OF TOMATOES TO THE WEST AND BARE DIRT (AFTER WHEAT HARVEST) TO THE EAST.

General: NEST MONITORED 29 MAY-3 AUG 2001; 1 FLEDGED. NEST MONITORED 15 APR-5 AUG 2002; INCUBATION OBS 9 MAY 2002, 0 FLEDGED. NEST MONITORED 9 APR-13 JUL 2004; 1 FLEDGED. NEST MONITORED 11 APR-24 AUG 2005; NEST FOUND, SITE DEFENDED, BUT 0 FLEDGED.

Owner/Manager: UNKNOWN

Occurrence No. 1158 **Map Index:** 51090 **EO Index:** 51090
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-08-05
Site: 2005-07-16
Record Last Updated: 2007-07-16

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.40906º / -121.71138º
UTM: Zone-10 N4251989 E612508
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 36 **Qtr:** NW
Meridian: M

Location: 0.25 MILE WEST OF YOLANO ROAD, 6 MILES SE OF DIXON.

Location Detail: 2001 NEST TREE WAS NEAR THE UPSTREAM (WEST) END OF THE RIPARIAN STRIP; NEST IS AT THE 85% HEIGHT OF THE NEST TREE, ON THE NORTH SIDE, HANGING OVER THE DIRT FARM ROAD.

Ecological: NEST TREE IS AN ARIZONA ASH; SURROUNDING FORAGING HABITAT CONSISTS OF TOMATOES TO THE NORTH AND CORN TO THE SOUTH.

General: NEST MONITORED 23 JUN-24 SEP 2001; 2 FLEDGED. NEST SITE MONITORED 2 MAY-28 JUL 2002; NO NEST FOUND, BUT 2 SWHA OF UNKNOWN AGE FLUSHED 23 JUL 2002. NEST MONITORED 7 APR-5 AUG 2004; 1 FLEDGED. INACTIVE IN 2005.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1159 **Map Index:** 51099 **EO Index:** 51099

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-10
Site: 2005-08-10
Record Last Updated: 2007-07-16

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.48380º / -121.72373º
UTM: Zone-10 N4260267 E611314
Radius: 80 meters
Elevation: 35 ft

Mapping Precision SPECIFIC
Symbol Type: POINT

Township: 07N
Range: 02E
Section: 02 **Qtr:** NW
Meridian: M

Location: WEST SIDE OF BULKLEY ROAD, 0.8 MILE SOUTH OF TREMONT ROAD, 6 MILES NE OF DIXON.

Location Detail: 2001-2002 NEST TREE WAS A SMALL PINE BETWEEN TWO PALMS; NEST WAS LOCATED AT THE 90% HEIGHT, ON THE NE SIDE OF THE NEST TREE. 2004-2005 NEST TREE WAS THE PALM JUST SW OF THE PINE USED IN 2001-2002.

Ecological: NEST TREE WAS A PALM (PREVIOUSLY A PINE); SURROUNDING FORAGING HABITAT CONSISTS OF ALFALFA IN ALL DIRECTIONS.

General: NEST MONITORED 11 JUL-3 AUG 2001; 1 FLEDGED. NEST MONITORED 4 APR-15 JUL 2002; 3 FLEDGED. NEST MONITORED 7 APR-10 AUG 2004; 1 FLEDGED. NEST MONITORED 11 APR-10 AUG 2005; 2 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1160 **Map Index:** 51102 **EO Index:** 51102

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-26
Site: 2005-08-26
Record Last Updated: 2007-07-16

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.40921º / -121.70650º
UTM: Zone-10 N4252011 E612934
Radius: 80 meters
Elevation: 25 ft

Mapping Precision SPECIFIC
Symbol Type: POINT

Township: 07N
Range: 02E
Section: 36 **Qtr:** NW
Meridian: M

Location: EAST SIDE OF YOLANO ROAD, 6 MILES SE OF DIXON.

Location Detail: 2001 NEST TREE WAS LOCATED OPPOSITE THE END OF THE MAJOR RIPARIAN STRIP; NEST FOUND AT THE 2/3 HEIGHT OF THE NEST TREE, ON THE NE SIDE. 2002 NEST LOCATED AT 3/4 HEIGHT ON THE SE SIDE OF THE NEST TREE.

Ecological: NEST TREE IS A COTTONWOOD; SURROUNDING FORAGING HABITAT CONSISTS OF ALFALFA TO THE SE, CORN TO THE SW, AND TREES, FARMSTEAD, CORPORATION YARD TO THE NW AND NE.

General: NEST MONITORED 25 JUL-18 AUG 2001; 0 FLEDGED. NEST MONITORED 4 APR-15 AUG 2002; APPARENT INCUBATION ON 2 MAY 2002, BUT NONE FLEDGED. INACTIVE IN 2004. NEST MONITORED 22 APR-26 AUG 2005; 1 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1161 **Map Index:** 51109 **EO Index:** 51109

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-12
Site: 2005-08-12
Record Last Updated: 2005-12-07

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.49512º / -121.82886º
UTM: Zone-10 N4261402 E602129
Radius: 80 meters
Elevation: 70 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 08N
Range: 01E
Section: 35 **Qtr:** SE
Meridian: M

Location: 0.4 MILE WEST OF CURREY ROAD, 3 MILES NORTH OF DIXON

Location Detail: NEST LOCATED AT THE 90% HEIGHT OF THE NEST TREE, A RAGGED EUCALYPTUS.

Ecological: NEST TREE WAS A RAGGED BLUE GUM EUCALYPTUS; SURROUNDING FORAGING HABITAT CONSISTS OF CULTIVATED LAND TO THE SOUTH, AND AN ORCHARD (REMOVED BY 2004), LARGE TREES AND A FARMSTEAD TO THE SOUTH.

General: NEST MONITORED 22 APR-19 JUL 2001; 2 FLEDGED. NEST MONITORED 15 MAY-24 JUL 2002; INCUBATION OBSERVED, BUT ADULTS DISAPPEARED BY 9 JUL. NEST MONITORED 15 APR-2 AUG 2004; 1 FLEDGED. NEST MONITORED 14 APR-12 AUG 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1162 **Map Index:** 51111 **EO Index:** 51111

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-18
Site: 2005-07-18
Record Last Updated: 2005-12-07

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.49622º / -121.79757º
UTM: Zone-10 N4261559 E604856
Radius: 80 meters
Elevation: 60 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 08N
Range: 02E
Section: 31 **Qtr:** NW
Meridian: M

Location: NORTH SIDE OF TREMONT ROAD, JUST WEST OF THE TREMONT ROAD DEAD-END, WEST OF I-80, 3 MILES NNE OF DIXON

Ecological: NEST TREE WAS A SOLITARY BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTS OF ALFALFA TO THE NORTH, RUDERAL TO THE SOUTH, FREEWAY TO THE EAST, AND USGS TO THE SW.

General: NEST MONITORED 16 JUN-2 AUG 2001; NEST NOT SEEN AFTER JUN 2001. NEST MONITORED 28 APR-24 JUL 2002; POSSIBLE NEST, NO CHICKS. NEST SITE MONITORED 24 APR-22 JUL 2004; POSSIBLE NEST. NEST MONITORED 14 APR-18 JUL 2005; 2 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1163 **Map Index:** 51112 **EO Index:** 51112

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Decreasing

Dates Last Seen
Element: 2001-07-21
Site: 2002-06-08
Record Last Updated: 2004-04-19

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.47364º / -121.81961º
UTM: Zone-10 N4259028 E602966
Radius: 80 meters
Elevation: 65 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 07N
Range: 01E
Section: 12 **Qtr:** NW
Meridian: M

Location: 0.2 MILE SOUTH OF I-80 AND 0.2 MILE EAST OF HIGHWAY 113, 1.5 MILES NORTH OF DIXON

Location Detail: NEST TREE IS THE SOUTHMOST AND LARGEST BLACK WALNUT; NEST LOCATED AT THE 85% HEIGHT OF THE NEST TREE, JUST SOUTH OF CENTER.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTS OF CULTIVATED LAND TO THE NORTH AND RUDERAL TO THE SOUTH.

Threat: THREATENED BY DEVELOPMENT (ALL TREES/SHRUBS REMOVED; AREA IS AWAITING DEVELOPMENT AS DIXON MEADOWS CONFERENCE CENTER).

General: NEST SUSPECTED AT THIS SITE IN 2000, BUT INADEQUATE ACCESS PREVENTED CONFIRMATION. NEST MONITORED, 22 APR-21 JUL 2001; 1 FLEDGED. NO RAPTORS OBSERVED ON 14 MAY 2002; SOMETIME BEFORE 8 JUN 2002, ALL TREES AND SHRUBS WERE REMOVED.

Owner/Manager: PVT

Occurrence No. 1164 **Map Index:** 51114 **EO Index:** 51114

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-04
Site: 2005-08-04
Record Last Updated: 2005-12-07

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.44982º / -121.78602º
UTM: Zone-10 N4256423 E605931
Radius: 80 meters
Elevation: 55 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 07N
Range: 02E
Section: 17 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF ROBBEN ROAD, 0.2 MILE SOUTH OF HACKMAN ROAD, 2 MILES EAST OF DIXON

Location Detail: NEST TREE LOCATED WITHIN A ROW OF TREES ON THE WEST SHOULDER, ADJACENT TO FARMSTEAD #7901; NEST FOUND AT THE 80% HEIGHT (IN 2001), JUST NORTH OF CENTER, OF THE NEST TREE. NEST FOUND AT 90% HEIGHT OF SAME TREE IN 2002 AND 2004.

Ecological: NEST TREE WAS A BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTS OF ALFALFA TO THE WEST AND CULTIVATED TO THE EAST.

General: NEST MONITORED 21 MAR-20 JUL 2001; 1 FLEDGED. NEST MONITORED 9 MAY-23 JUL 2002; 1 FLEDGED. NEST MONITORED 10 APR-10 AUG; 3 FLEDGED. NEST MONITORED 3 MAR-4 AUG 2005; 1 FLEDGED.

Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1165 **Map Index:** 51119 **EO Index:** 51119

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-17
Site: 2005-07-17
Record Last Updated: 2005-12-07

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.43123º / -121.76348º
UTM: Zone-10 N4254386 E607926
Area: 12.5 acres
Elevation: 40 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 07N
Range: 02E
Section: 21 **Qtr:** SW
Meridian: M

Location: ALONG MILLER ROAD, 0.8 MILE WEST OF SIKES ROAD, 3 MILES SE OF DIXON

Location Detail: 2001 & 2005 NEST LOCATED AT THE 90% HEIGHT OF THE CENTRAL LOCUST IN A NORTH-SOUTH ROW, EAST OF THE METAL BARN ON THE SOUTH SIDE OF MILLER ROAD. 2004 NEST LOCATED AT THE 95% HEIGHT OF A BLACK WALNUT NORTH OF THE ROAD, EAST OF THE DRIVEWAY.

Ecological: 2005 NEST TREE WAS A LOCUST; SURROUNDING FORAGING HABITAT CONSISTS OF ALFALFA TO THE NORTH AND EAST, AND CULTIVATED TO THE SOUTH.

General: NEST MONITORED 17 MAR-24 JUL 2001; 1 FLEDGED. NEST MONITORED 21 APR-17 JUL 2002; 2 FLEDGED. NEST MONITORED 9 APR-10 AUG 2004; 1 FLEDGED. NEST MONITORED 30 MAR-17 JUL 2005; 2 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1166 **Map Index:** 51125 **EO Index:** 51125

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-04
Site: 2005-08-04
Record Last Updated: 2005-12-07

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.43754º / -121.78200º
UTM: Zone-10 N4255065 E606300
Radius: 80 meters
Elevation: 45 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 07N
Range: 02E
Section: 20 **Qtr:** SW
Meridian: M

Location: 0.2 MILE EAST OF ROBBEN ROAD, 0.5 MILE NORTH OF MILLER ROAD, 2 MILES ESE OF DIXON

Location Detail: NEST LOCATED AT THE 90% HEIGHT OF THE SECOND TALL EUCALYPTUS FROM THE SOUTH, IN THE EAST ROW.

Ecological: NEST TREE WAS A BLUE GUM EUCALYPTUS; SURROUNDING FORAGING HABITAT CONSISTS OF ALFALFA TO THE NORTH AND CULTIVATED TO THE SOUTH.

General: NEST MONITORED 29 MAR-10 AUG 2001; INCUBATION, BUT NONE FLEDGED. NEST MONITORED 21 APR-24 AUG 2002; INCUBATION, BUT NONE FLEDGED. NEST SITE MONITORED 21 APR-17 JUL 2004; NO SWHA OBSERVED. NEST MONITORED 23 APR-4 AUG 2005; 1 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1167 **Map Index:** 51126 **EO Index:** 51126
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-07-17
Site: 2005-08-04
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.43760º / -121.78745º
UTM: Zone-10 N4255066 E605824
Area: 8.6 acres
Elevation: 45 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 07N
Range: 02E
Section: 19 **Qtr:** SE
Meridian: M

Location: 0.1 MILE WEST OF ROBBEN ROAD, 0.5 MILE SOUTH OF EAST DIXON ROAD, 1.5 MILES ESE OF DIXON

Location Detail: NEST LOCATED AT THE 85% HEIGHT OF A VERY SLENDER EUCALYPTUS AT THE SW CORNER OF THE FARMSTEAD. 2002 NEST BUILT AT THE 95% HEIGHT OF THE EASTMOST TREE IN A ROW. 2004 NEST AT 90% HEIGHT OF NEST TREE, 1/4 EAST OF WEST END OF ROW.

Ecological: NEST TREE WAS A SLENDER, FLEXIBLE BLUE GUM EUCALYPTUS; SURROUNDING FORAGING HABITAT CONSISTS OF ALFALFA TO THE WEST AND SOUTH.

General: NEST MONITORED 7 APR-10 AUG 2001; PAIR DISAPPEARED, 21 JUN-5 JUL 2001. NEST MONITORED 21 APR-1 AUG 2002; ADULTS DISAPPEARED AFTER 6 JUN 2002. ADULTS, BUT NO CHICKS, SEEN IN 2004. ONLY 2 ADULT SIGHTINGS IN 2005.

Owner/Manager: PVT

Occurrence No. 1168 **Map Index:** 51130 **EO Index:** 51130
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-21
Site: 2005-07-21
Record Last Updated: 2005-12-07

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.45267º / -121.78374º
UTM: Zone-10 N4256742 E606126
Radius: 80 meters
Elevation: 50 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 02E
Section: 17 **Qtr:** NW
Meridian: M

Location: NORTH SIDE OF HACKMAN ROAD, BETWEEN HARPER LANE AND ROBBEN ROAD, 1.5 MILES NE OF DIXON

Location Detail: 2001 NEST LOCATED AT THE 85% HEIGHT OF THE WESTERN OF TWO LIVE BLACK WALNUTS. POSSIBLE NEST HIGH IN MIDDLE TREE IN 2002. DEAD EASTERN TREES WERE REMOVED BEFORE THE 2004 SEASON. 2005 NEST LOCATED AT THE 95% HEIGHT OF 2ND TREE FROM THE

Ecological: NEST TREE WAS A BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTS OF A SOD FARM TO THE NORTH AND TOMATOES TO THE SOUTH.

General: NEST MONITORED 7 APR-20 JUL 2001; 1 FLEDGED. NEST MONITORED 21 APR-17 JUL 2002; POSSIBLE NEST/NO CHICKS. NEST SITE MONITORED 10 APR-17 JUL 2004; POSSIBLE NEST. NEST MONITORED 12 APR-21 JUL 2005; 2 FLEDGED.

Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1169 **Map Index:** 51132 **EO Index:** 51132
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-17
Site: 2005-07-17
Record Last Updated: 2005-12-07

Quad Summary: Dixon (3812147/498A), Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.42783º / -121.75026º
UTM: Zone-10 N4254025 E609085
Area: 12.1 acres
Elevation: 40 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 07N
Range: 02E
Section: 28 **Qtr:** NE
Meridian: M

Location: 0.2 MILE SOUTH OF MILLER ROAD, 2 MILES EAST OF HIGHWAY 113, EAST OF DIXON

Location Detail: 2002 NEST TREE WAS A BLACK WALNUT SOUTH OF THE FARMSTEAD AND WELL WEST OF SIKES ROAD. 2004 NEST LOCATED AT THE 75% HEIGHT, ON THE SE SIDE, OF A BLACK WALNUT SOUTH OF THE HOUSE.

Ecological: NEST TREE WAS A BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTS OF WHEAT TO THE NORTH AND SOUTH, AND SUNFLOWERS TO THE EAST.

General: NEST MONITORED 1 APR-10 AUG 2001; NEST-BUILDING AND COPULATION OBSERVED, BUT NO CHICKS. NEST MONITORED 21 APR-17 JUL 2002; 2 FLEDGED. NEST MONITORED 9 APR-10 AUG 2004; 1 FLEDGED. NEST MONITORED 1 MAR-17 JUL 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1170 **Map Index:** 51137 **EO Index:** 51137
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-07-17
Site: 2005-07-21
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.47906º / -121.76298º
UTM: Zone-10 N4259695 E607898
Radius: 80 meters
Elevation: 50 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 02E
Section: 04 **Qtr:** SW
Meridian: M

Location: 0.25 MILE EAST OF RUNGE ROAD, 0.8 MILE NORTH OF VAUGHN ROAD, NE OF DIXON

Location Detail: NEST LOCATED AT THE 90% HEIGHT OF THE TALLEST DECIDUOUS TREE FARTHER EAST THAN THE TALL PINE.

Ecological: NEST TREE IS A LOCUST(?); SURROUNDING FORAGING HABITAT CONSISTS OF WHEAT TO THE NW AND TOMATOES TO THE SOUTH, EAST, NORTH, AND WEST.

General: NEST MONITORED 29 APR-20 JUL 2001; 2 FLEDGED. NEST MONITORED 15 APR-17 JUL 2002; 1 FLEDGED. ONLY 1 ADULT SIGHTING IN 2004 AND IN 2005 (UNOCCUPIED).

Owner/Manager: PVT

Occurrence No. 1171 **Map Index:** 51139 **EO Index:** 51139
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-22
Site: 2005-08-22
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.46296º / -121.78867º
UTM: Zone-10 N4257879 E605680
Area: 19.2 acres
Elevation: 50 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 07N
Range: 02E
Section: 07 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF ROBBEN ROAD, 0.3 MILE SOUTH OF VAUGHN ROAD, 2 MILES NE OF DIXON

Location Detail: FINAL 2001 NEST LOCATED AT THE 95% HEIGHT, IN THE CENTER, OF THE WESTMOST BLACK WALNUT. 2005 NEST LOCATED IN THE THIRD BLACK WALNUT WEST OF THE ROAD, ALONG THE SOUTH EDGE.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTS OF ALFALFA TO THE NORTH, SOUTH, WEST AND NE, AND CULTIVATED TO THE SE. MAJOR CHANGES MADE TO FARMSTEAD IN 2004: NEW HOUSE AND OTHER BUILDINGS.

General: NEST MONITORED 29 APR-11 AUG 2001; 1 FLEDGED. NEST SITE MONITORED 9 MAY-17 JUL 2002; NO NEST FOUND. NEST SITE MONITORED 10 APR-17 JUL 2004; NO SWHA SIGHTINGS IN 2004. NEST MONITORED 30 MAR-22 AUG 2005; 1 FLEDGED

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Owner/Manager: PVT

Occurrence No. 1172 **Map Index:** 51142 **EO Index:** 51142

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-07-20
Site: 2005-08-12
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.45259º / -121.75917º
UTM: Zone-10 N4256762 E608270
Radius: 80 meters
Elevation: 40 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 07N
Range: 02E
Section: 16 **Qtr:** NW
Meridian: M

Location: NORTH SIDE OF HACKMAN ROAD, 0.45 MILE EAST OF RUNGE ROAD, 3 MILES EAST OF DIXON

Location Detail: NEST TREE CONSISTS OF ONE OF TWO WILLOWS GROWING IN CONTACT ON THE NORTH SHOULDER OF THE ROAD; NEST LOCATED AT THE 90% HEIGHT OF THE WESTERN WILLOW.

Ecological: NEST TREE IS A WILLOW; SURROUNDING FORAGING HABITAT CONSISTS OF ALFALFA TO THE NORTH AND WHEAT TO THE SOUTH.

General: NEST MONITORED 29 APR-20 JUL 2001; 1 FLEDGED. NEST SITE MONITORED 15 APR-21 JUN 2002; INACTIVE. NEST MONITORED 10 APR-17 JUL 2004; NEST-BUILDING, BUT GONE BY 17 JUN. NEST SITE MONITORED 30 MAR-12 AUG 2005; ADULT SEEN, BUT NO NEST.

Owner/Manager: UNKNOWN

Occurrence No. 1173 **Map Index:** 51143 **EO Index:** 51143

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-08-12
Site: 2004-08-12
Record Last Updated: 2005-03-17

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.46677º / -121.76193º
UTM: Zone-10 N4258332 E608008
Area: 14.8 acres
Elevation: 50 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 07N
Range: 02E
Section: 09 **Qtr:** SW
Meridian: M

Location: 0.3 MILE EAST OF THE INTERSECTION OF RUNGE ROAD AND VAUGHN ROAD, 3 MILES ENE OF DIXON

Location Detail: 2001 NEST LOCATED HIGH IN THE NE SIDE SIDE OF THE 6TH BLACK WALNUT FROM THE EAST END OF THE ROW. 2002 NEST WAS ON THE EAST SIDE OF THE EASTMOST TREE IN THIS SAME GROUP. 2004 NEST WAS AT THE 95% HEIGHT OF THE 2ND BLACK WALNUT FROM THE WEST.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDING FORAGING HABITAT CONSISTS OF A FARMSTEAD TO THE SE, CORN TO THE SOUTH AND SW, AND CULTIVATED LAND TO THE NORTH (WELL DRILLED HERE IN AUG 2001).

General: NEST MONITORED 21 JUN-11 AUG 2001; 2 FLEDGED. NEST MONITORED 15 APR-17 JUL 2002; 1 FLEDGED. NEST MONITORED 29 MAY-12 AUG 2004; NEST DISCOVERED TOO LATE (OUTCOME UNKNOWN).

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1253 **Map Index:** 52077 **EO Index:** 52077
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-03
Site: 2005-08-03
Record Last Updated: 2005-09-15

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.37909º / -121.90606º
UTM: Zone-10 N4248444 E595549
Radius: 80 meters
Elevation: 72 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 07 **Qtr:** SW
Meridian: M

Location: WEST SIDE OF BYRNES ROAD, 1.1 MILES SOUTH OF KILKENNY ROAD, 4.5 MILES ENE OF VACAVILLE

Location Detail: NEST IS LOCATED AT THE 85% HEIGHT OF THE NEST TREE, VISIBLE FROM THE SOUTH. NEST TREE IS THE THIRD FROM THE NORTH, ALONG THE WEST SHOULDER.

Ecological: NEST TREE IS A TALL EUCALYPTUS; SURROUNDED BY CULTIVATED LAND TO THE EAST, PASTURE TO THE NW, AND RUDERAL TO THE SW.

General: RTHA NEST IN 2001. NEST MONITORED 13 APR-24 JUL 2002; 1 FLEDGED. NEST MONITORED 18 APR-12 AUG 2004; 1 FLEDGED. NEST MONITORED 12 MAR-3 AUG 2005; 1 FLEDGED.

Owner/Manager: UNKNOWN

Occurrence No. 1254 **Map Index:** 52078 **EO Index:** 52078
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-05-15
Site: 2005-09-07
Record Last Updated: 2007-06-20

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.48949º / -121.88284º
UTM: Zone-10 N4260719 E597429
Radius: 80 meters
Elevation: 98 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 05 **Qtr:** XX
Meridian: M

Location: ON THE SOUTH SHOULDER OF THE SIEVERS ROAD ENTRANCE TO DIXON SCHOOL FARM, 4 MILES NW OF DIXON.

Location Detail: NEST TREE IS THE FIRST BLACK WALNUT, JUST EAST OF THE ENTRANCE, ON THE SOUTH SHOULDER.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDED BY CULTIVATED LAND TO THE NORTH AND PASTURE TO THE SOUTH.

General: NESTING AT THIS SITE NOT OBSERVED PRIOR TO 2002. NEST MONITORED 28 APR-29 JUL 2002; 1 FLEDGED. NEST MONITORED 22 MAR-16 JUL 2004; 2 CHICKS SEEN, 1 FLEDGED. NEST MONITORED 17 MAR-7 SEP 2005; INCUBATION OBSERVED ON 15 MAY, NO CHICK DETECTED.

Owner/Manager: SOL COUNTY

Occurrence No. 1274 **Map Index:** 53111 **EO Index:** 53111
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-09-11
Site: 2005-09-11
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.49459º / -121.82228º
UTM: Zone-10 N4261351 E602703
Radius: 80 meters
Elevation: 65 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 01E
Section: 35 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF CURREY ROAD, 0.4 MILE NORTH OF SIEVERS ROAD, 2.5 MILES NORTH OF DIXON

Location Detail: 2001-2002 NEST TREE LOCATED ON THE WEST SIDE OF ROAD; NEST LOCATED AT THE 90% HEIGHT OF THE NEST TREE, OVER THE WEST EDGE OF THE ROAD. 2004 NEST TREE WAS THE NEXT TREE TO THE SOUTH. 2005 NEST WAS IN AN EAST-SHOULDER TREE.

Ecological: NEST TREE IS A THE FIRST TALL EUCALYPTUS IN A LINE OF ROADSIDE EUCALYPTUS TREES; ALFALFA TO THE NE AND CULTIVATED LAND TO THE EAST AND WEST. SUBSTANTIAL TRIMMING OPENED UP THE CANOPY OF THESE LARGE, OLD TREES; NEST TREE DIED IN 2002.

General: NEST MONITORED 13 MAR-22 JUL 2001; 1 FLEDGED. NEST MONITORED 15 MAY-29 JUL 2002; 1 FLEDGED. NEST MONITORED 22 MAR-15 JUL 2004; 2 FLEDGED. NEST MONITORED 31 MAR-11 SEP 2005; 2 FLEDGED.

Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1275 **Map Index:** 53276 **EO Index:** 53276
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-07-17
Site: 2005-06-05
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.41752º / -121.77628º
UTM: Zone-10 N4252851 E606828
Radius: 80 meters
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 29 **Qtr:** SE
Meridian: M

Location: NORTH SIDE OF MIDWAY ROAD, 0.5 MILE EAST OF ROBBEN ROAD, 3 MILES SE OF DIXON

Location Detail: NEST LOCATED AT THE 80% HEIGHT OF THE NEST TREE. IN 2004. A SMALL TRAILER PARKED DIRECTLY UNDER NEST TREE, AND A LARGER SHED IS NOW PRESENT.

Ecological: NEST TREE WAS A RAGGED ASH; SURROUNDED BY PASTURE TO THE SOUTH AND SE, AND ALFALFA TO THE NORTH AND NE.

General: NEST MONITORED 21 APR-17 JUL 2002; 1 FLEDGED. NEST SITE MONITORED 8 MAR-17 JUL 2004; NO RAPTORS OBSERVED. NEST SITE MONITORED 23 APR-5 JUN 2005; UNOCCUPIED.

Owner/Manager: UNKNOWN

Occurrence No. 1276 **Map Index:** 53277 **EO Index:** 53277
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-05-12
Site: 2005-07-18
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.45763º / -121.80297º
UTM: Zone-10 N4257271 E604441
Radius: 80 meters
Elevation: 55 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 18 **Qtr:** NW
Meridian: M

Location: EAST SIDE OF PEDRICK ROAD, 0.7 MILE SOUTH OF VAUGHN ROAD, 1 MILE NE OF DIXON

Location Detail: 2002 NEST WAS LOCATED AT THE 80% HEIGHT OF THE NEST TREE. 2004 NEST WAS FOUND AT THE 90% HEIGHT OF A TALL, SLENDER BLUE GUM.

Ecological: NEST TREE IS A EUCALYPTUS; SURROUNDED BY A LARGE, COMPLEX FARMSTEAD AND A SOD FARM TO THE EAST AND CULTIVATED LAND TO THE WEST, ACROSS THE ROAD.

General: NEST MONITORED 21 APR-23 JUL 2002; ADULT SITTING TIGHT ON NEST, 12 MAY 2002, BUT NO RAPTORS OBSERVED AFTER 13 MAY 2002. NEST MONITORED 11 APR-17 JUL; ADULT STANDING ON NEST, 11 APR, BUT NO LATER SIGHTINGS. UNOCCUPIED IN 2005.

Owner/Manager: PVT-DUTRA RANCH

Occurrence No. 1277 **Map Index:** 53279 **EO Index:** 53279
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-16
Site: 2005-07-16
Record Last Updated: 2007-07-03

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.37303º / -121.80524º
UTM: Zone-10 N4247881 E604364
Radius: 80 meters
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 13 **Qtr:** NE
Meridian: M

Location: WEST SIDE OF PEDRICK ROAD, 1.2 MILES SOUTH OF CASEY ROAD, 5 MILES SOUTH OF DIXON.

Location Detail: NEST LOCATED AT THE 2/3 HEIGHT OF THE NEST TREE. SITE IS LOCATED 1.5 MILES NORTH OF THE BINGHAMPTON SMALL FARMSTEAD #6521.

Ecological: NEST TREE IS A MULTI-TRUNKED EUCALYPTUS.

General: NEST MONITORED 12 MAY-24 JUL 2002; ADULTS NEST-BUILDING, 12 MAY 2002, BUT NEVER OBSERVED THEREAFTER. INACTIVE IN 2004. NEST MONITORED 13 APR-16 JUL 2005; 2 FLEDGED.

Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1288 **Map Index:** 53333 **EO Index:** 53333
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-04
Site: 2005-07-04
Record Last Updated: 2007-07-16

Quad Summary: Saxon (3812146/497B)
County Summary: Solano, Yolo

Lat/Long: 38.49173º / -121.69586º
UTM: Zone-10 N4261181 E613733
Radius: 80 meters
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 02E
Section: 36 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF MACE BOULEVARD, 0.25 MILE NORTH OF THE JOG IN MACE BOULEVARD, 4 MILES SSE OF DAVIS.

Location Detail: 2001-2004 NEST TREE WAS THE FIRST BLACK WALNUT ON THE WEST SHOULDER, NORTH OF THE DIRT FARM ROAD LEADING WEST; THIS NEST TREE DISAPPEARED IN 2004. 2005 NEST TREE WAS THE FIRST BLACK WALNUT REMAINING NORTH OF THE DIRT ROAD.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDED BY ALFALFA TO THE WEST AND RUDERAL TO THE EAST, ACROSS THE ROAD.

General: SUCCESSFUL NEST AT THIS SITE LIKELY MISSED IN 2001. NEST MONITORED 4 JUL-23 JUL 2002; 1 FLEDGED. NEST TREE WITH A SMALL NEST DISAPPEARED BETWEEN 11 JUN-13 JUL 2004. NEST MONITORED 30 MAR-10 AUG 2005; INCUBATION OBS ON 31 MAY, BUT 0 FLEDGED.

Owner/Manager: UNKNOWN

Occurrence No. 1294 **Map Index:** 53567 **EO Index:** 53567
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-22
Site: 2005-08-22
Record Last Updated: 2007-07-16

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.47732º / -121.67573º
UTM: Zone-10 N4259608 E615511
Radius: 80 meters
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 03E
Section: 06 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF ROAD 105, 0.7 MILE SOUTH OF ROAD 36, 5.4 MILES SE OF DAVIS.

Location Detail: NEST TREE WAS THE BLACK WALNUT AT THE SE CORNER OF THE FARMSTEAD AT 31680 ROAD 105.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDED BY ALFALFA TO THE SOUTH, NE, AND WEST, AND SAFFLOWER TO THE SE.

General: NEST SITE LIKELY OCCUPIED IN 2001. NEST MONITORED 4 APR-15 AUG 2002; 1 CHICK OBSERVED ON 15 AUG 2002; 1 FLEDGED. NEST MONITORED 18 MAR-13 JUL 2004; 1 FLEDGED. NEST MONITORED 28 FEB-22 AUG 2005; OCCUPIED, BUT NO CHICK DETECTED.

Owner/Manager: PVT

Occurrence No. 1300 **Map Index:** 53576 **EO Index:** 53576
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Decreasing

Dates Last Seen
Element: 2002-08-03
Site: 2005-03-XX
Record Last Updated: 2007-07-03

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.31004º / -121.87459º
UTM: Zone-10 N4240815 E598391
Radius: 80 meters
Elevation: 50 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 04 **Qtr:** NW
Meridian: M

Location: 0.2 MILE WEST OF DALLY ROAD AND 0.35 MILE SOUTH OF HAY ROAD, 3.8 MILES NE OF TRAVIS AIR FORCE BASE.

Location Detail: NEST TREE WAS THE EASTMOST TREE IN AN EAST-WEST ROW OF EUCALYPTUS.

Ecological: NEST TREE WAS A BLUE GUM EUCALYPTUS.

General: NEST MONITORED 14 MAY-3 AUG 2002; 1 FLEDGED. NEST SITE MONITORED 20 MAR-22 JUL 2004; ADULTS OBSERVED NEST-BUILDING. DURING EARLY MAR 2005, THE ENTIRE GROUP OF TREES WHERE THE NEST TREE HAD BEEN HAD BEEN REMOVED; SITE EXTIRPATED.

Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1301 **Map Index:** 53577 **EO Index:** 53577

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-05-04
Site: 2005-08-16
Record Last Updated: 2007-07-03

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.33694º / -121.86178º
UTM: Zone-10 N4243813 E599474
Radius: 80 meters
Elevation: 45 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 28 **Qtr:** SE
Meridian: M

Location: SOUTH SHOULDER OF FRY ROAD, 0.1 MILE WEST OF CLARK ROAD, 5.5 MILES NE OF TRAVIS AIR FORCE BASE.

Location Detail: 2002 NEST TREE WAS THE FIRST SOUTH-SHOULDER TREE WEST OF CLARK ROAD.

Ecological: NEST TREE IS AN ISOLATED BLUE GUM EUCALYPTUS; SURROUNDED BY ALFALFA TO THE NORTH AND SOUTH.

General: NEST MONITORED 23 JUN-29 JUL 2002; 1 FLEDGED. NEST SITE MONITORED 23 APR-18 JUN 2004; 2 ADULTS PRESENT 23 APR, POSSIBLE NEST SEEN 13 MAY 2004. NEST MONITORED 4 MAY-16 AUG 2005; INCUBATING ON 4 MAY 2005, BUT LATER ABANDONED.

Owner/Manager: SOL COUNTY

Occurrence No. 1302 **Map Index:** 53578 **EO Index:** 53578

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-07-24
Site: 2005-06-29
Record Last Updated: 2007-06-26

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.31251º / -121.90000º
UTM: Zone-10 N4241062 E596167
Radius: 80 meters
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 06 **Qtr:** NE
Meridian: M

Location: 0.2 MILE SOUTH OF HAY ROAD AND 0.2 MILE WEST OF LEWIS ROAD, 2.8 MILES NE OF TRAVIS AIR FORCE BASE.

Location Detail: NEST LOCATED AT THE 95% HEIGHT, ON THE SE SIDE, OF THE LEAFY PORTION OF THE TALLEST EUCALYPTUS, NEAR THE WEST END OF THE ROW; NEST OBSERVED FROM THE SOUTH END OF LEWIS ROAD.

Ecological: NEST TREE WAS AN ISOLATED BLUE GUM EUCALYPTUS; SURROUNDED BY ALFALFA TO THE NORTH AND SOUTH.

General: NEST MONITORED 8 JUN-24 JUL 2002; 1 FLEDGED. NEST SITE MONITORED 1 FEB-19 JUN 2004; RTHA OBSERVED ON 1 FEB AND 8 MAR 2004. RTHA ADULTS OBSERVED ON 4 MAY 2005; NO SWHA SEEN.

Owner/Manager: UNKNOWN

Occurrence No. 1303 **Map Index:** 53579 **EO Index:** 53579

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-07-24
Site: 2005-08-12
Record Last Updated: 2007-06-26

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.32935º / -121.89808º
UTM: Zone-10 N4242933 E596312
Area: 12.8 acres
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 06N
Range: 01E
Section: 31 **Qtr:** NE
Meridian: M

Location: 0.1 MILE WEST OF LEWIS ROAD AND 0.6 MILE SOUTH OF FRY ROAD, 1.5 MILES SSE OF ELMIRA.

Location Detail: 2002 NEST LOCATED AT THE 90% HEIGHT, ON THE EAST SIDE OF THE WEST EUCALYPTUS (UTM 596331 4242677). 2004 NEST LOCATED IN EAST TREE (UTM 596480 4242799), AT THE 95% HEIGHT ON THE NORTH SIDE.

Ecological: NEST TREE WAS A BLUE GUM EUCALYPTUS; SURROUNDED BY ALFALFA TO THE NORTH OF THE CANAL.

General: BUTEO NEST AT THIS SITE IN 2001 THOUGHT TO BE RTHA. NEST MONITORED 13 APR-24 JUL 2002; 2 SWHA FLEDGED. NEST MONITORED 13 MAY-24 JUL 2004; OUTCOME UNKNOWN. INACTIVE IN 2005.

Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1304 **Map Index:** 53580 **EO Index:** 53580
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-24
Site: 2005-07-24
Record Last Updated: 2007-06-26

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.34698º / -121.90630º
UTM: Zone-10 N4244880 E595570
Radius: 80 meters
Elevation: 70 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01E
Section: 19 **Qtr:** SW
Meridian: M

Location: VACA STATION ROAD, AT THE ENTRANCE TO THE SEWAGE TREATMENT PLANT, SE EDGE OF ELMIRA.

Ecological: NEST TREE WAS A BLUE GUM EUCALYPTUS.

General: SITE WAS PROBABLY ACTIVE IN 2001. NEST MONITORED 9 JUN-18 JUL 2002; RECENTLY-DEAD CHICK AND TWIGS FROM NEST BLOWN OUT OF TREE, 9 JUN 2002. NEST MONITORED 13 MAY-1 AUG 2004; 1 FLEDGED. NEST MONITORED 17 APR-24 JUL 2005; 2 FLEDGED.

Owner/Manager: UNKNOWN

Occurrence No. 1305 **Map Index:** 53581 **EO Index:** 53581
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-23
Site: 2005-07-23
Record Last Updated: 2007-06-27

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.33688º / -121.88314º
UTM: Zone-10 N4243784 E597608
Radius: 80 meters
Elevation: 50 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01E
Section: 29 **Qtr:** SE
Meridian: M

Location: SOUTH SIDE OF FRY ROAD, 0.75 MILE WEST OF DALLY ROAD, 5 MILES NNE OF TRAVIS AIR FORCE BASE.

Location Detail: 2002 NEST LOCATED AT THE 90% HEIGHT, ON THE NE SIDE, OF THE LARGEST BLUE GUM EUCALYPTUS, IN THE FORK OF THE DRIVEWAY NE OF THE YELLOW HOUSE.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; CULTIVATED LAND SURROUNDS THE LARGE FARMSTEAD WITH TREES, EXCEPT TO THE SE, WHICH CONSISTS OF PASTURE, CORRALS, AND RUDERAL.

General: NEST MONITORED 14 MAY-24 JUL 2002; INCUBATION, BUT 0 YOUNG FLEDGED. NEST MONITORED 20 MAR-5 AUG 2004; 1 FLEDGED. NEST MONITORED 18 APR-23 JUL 2005; 2 FLEDGED.

Owner/Manager: UNKNOWN

Occurrence No. 1316 **Map Index:** 56442 **EO Index:** 56458
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-20
Site: 2005-08-20
Record Last Updated: 2005-09-15

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.46396º / -121.87758º
UTM: Zone-10 N4257891 E597922
Radius: 80 meters
Elevation: 80 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01E
Section: 09 **Qtr:** SW
Meridian: M

Location: 0.25 MILE NORTH OF SILVEYVILLE ROAD AND 0.9 MILE WEST OF SCHROEDER ROAD, NW OF DIXON.

Location Detail: RESSEGUIE'S ALLENDALE 19. 2004 NEST LOCATED AT THE 90% HEIGHT OF A SLENDER BLUE GUM IN THE NW CORNER OF THE GROVE. 2005 NEST LOCATED AT THE 80% HEIGHT OF A SLENDER BLUE GUM IN THE MIDDLE OF THE NORTH GROVE.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS, LOCATED WITHIN A RECTANGULAR GROVE OF 15-YEAR-OLD EUCALYPTS; AN IRRIGATION CANAL RUNS ALONG THE WEST BOUNDARY, A LARGE ALFALFA FIELD FOUND TO THE EAST, AND A CULTIVATED FIELD FOUND WEST OF THE HOUSES.

General: SITE WAS SUSPECTED AS A NEST SITE IN 2000, BUT NOT CHECKED IN 2001 AND 2002. NEST MONITORED 14 APR-17 AUG 2004; ACTIVE, BUT NO CHICK DETECTED. NEST MONITORED 16 APR-20 AUG 2005; ACTIVE, BUT NO CHICK DETECTED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1317 **Map Index:** 56443 **EO Index:** 56459

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-12
Site: 2005-08-12
Record Last Updated: 2007-06-18

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.38430º / -121.89497º
UTM: Zone-10 N4249033 E596510
Radius: 80 meters
Elevation: 65 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 08 **Qtr:** NW
Meridian: M

Location: EAST SIDE OF LEWIS ROAD, 0.9 MILE SOUTH OF THE CANYON CREEK CANAL JUNCTION WITH LEWIS ROAD, 5.5 MILES SW OF DIXON.

Location Detail: RESSEGUIE'S ALLENDALE 35. 2004-2005 NEST LOCATED AT THE 90% HEIGHT OF A BLACK WALNUT LOCATED BETWEEN THE DIRT ROAD AND THE NORTH FENCE.

Ecological: NEST TREE IS A BLACK WALNUT.

General: NEST MONITORED 21 MAR-10 AUG 2004; NEST-BUILDING OBSERVED ON 21 MAR, SWHA SITTING TIGHT ON NEST ON 24 MAY, AND UNKNOWN-AGED BIRD FLUSHED FROM NEST ON 15 JUN 2004. NEST MONITORED 2 MAY-12 AUG 2005; 2 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1318 **Map Index:** 56445 **EO Index:** 56461

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-07-22
Site: 2005-07-08
Record Last Updated: 2005-09-14

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.39151º / -121.89246º
UTM: Zone-10 N4249836 E596720
Radius: 80 meters
Elevation: 70 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 05 **Qtr:** SW
Meridian: M

Location: EAST SIDE OF LEWIS ROAD, 0.5 MILE SOUTH OF THE CANYON CREEK CANAL JUNCTION WITH LEWIS ROAD, 5 MILES SW OF DIXON.

Location Detail: RESSEGUIE'S ALLENDALE 52. 2004 NEST LOCATED AT THE 95% HEIGHT, ON THE EAST SIDE, OF A LARGE BLUE GUM NEAR THE BACK OF THE HOUSE (NOT VISIBLE FROM ROAD).

Ecological: NEST TREE WAS A BLUE GUM EUCALYPTUS.

General: THIS SITE WAS PROBABLY OCCUPIED IN 2002; INADEQUATE OBSERVATION TO DETERMINE STATUS. NEST MONITORED 3 MAY-22 JUL 2004; 2 BROKEN EGGS ON THE GROUND BELOW NEST ON 22 JUN 2004. INACTIVE IN 2005; 2004 NEST TREE OCCUPIED BY GHOW.

Owner/Manager: PVT

Occurrence No. 1319 **Map Index:** 56446 **EO Index:** 56462

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-01
Site: 2005-08-01
Record Last Updated: 2007-06-20

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.47513º / -121.92125º
UTM: Zone-10 N4259085 E594098
Radius: 80 meters
Elevation: 95 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01W
Section: 12 **Qtr:** XX
Meridian: M

Location: SOUTH SHOULDER OF THISSELL ROAD, 0.1 MILE EAST OF HALLEY ROAD, 5 MILES WNW OF DIXON.

Location Detail: RESSEGUIE'S ALLENDALE 54. 2004 NEST LOCATED AT THE 90% HEIGHT OF A SOUTH SHOULDER BLACK WALNUT (3RD WALNUT WEST OF A BLUE GUM). 2005 NEST TREE WAS A BLUE GUM.

Ecological: NEST TREE IS A BLACK WALNUT.

General: IN 2002, A FLEDGLING AND 2 ADULTS WERE OBSERVED, BUT NO NEST WAS OBSERVED. NEST MONITORED 21 MAR-8 AUG 2004; 2 FLEDGED. NEST MONITORED 16 APR-2 AUG 2005; 1 FLEDGED.

Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1320 **Map Index:** 56447 **EO Index:** 56463
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-20
Site: 2005-07-20
Record Last Updated: 2005-09-14

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.47713º / -121.86948º
UTM: Zone-10 N4259362 E598611
Area: 7.7 acres
Elevation: 80 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 01E
Section: 04 **Qtr:** SW
Meridian: M

Location: NORTH SIDE OF THISSELL ROAD, 0.5 MILE WEST OF SCHROEDER ROAD, 3 MILES NW OF DIXON.

Location Detail: RESSEGUIE'S ALLENDALE 55. 2004 NEST LOCATED HIGH IN AN ENGLISH WALNUT, ON THE WEST SIDE OF A FARMSTEAD, JUST NORTH OF AN ALMOND ORCHARD. 2005 NEST LOCATED AT THE 90% HEIGHT OF THE LARGEST BLACK WALNUT JUST WEST OF THE HOUSE.

Ecological: NEST TREE WAS A BLACK WALNUT; ALMOND ORCHARD FOUND TO THE SOUTH AND ALFALFA TO THE WEST.

General: NEST MONITORED 3 MAR-16 JUL 2004; NEST OBSERVED, BUT NO CHICKS. NEST MONITORED 19 MAY-20 JUL 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1321 **Map Index:** 56448 **EO Index:** 56464
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-09
Site: 2005-08-02
Record Last Updated: 2007-06-20

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.44567º / -121.87982º
UTM: Zone-10 N4255860 E597751
Radius: 80 meters
Elevation: 75 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 20 **Qtr:** NE
Meridian: M

Location: SOUTH SIDE OF DIXON AVENUE WEST, 0.1 MILE EAST OF SERPA AVENUE, 3 MILES WEST OF DIXON.

Location Detail: RESSEGUIE'S ALLENDALE 57. NEST IS LOCATED AT THE 95% HEIGHT OF A TREE WITHIN A DOUBLE ROW OF DECIDUOUS TREES.

Ecological: NEST TREE IS AN EXOTIC (CHINESE ELM OR BOX ELDER).

General: NEST MONITORED 25 MAR-29 JUL 2004; SWHA OBSERVED ON NEST, 14 APR-9 JUN 2004, BUT BY 16 JUL 2004, TREES HAD BEEN DEFOLIATED BY A BEETLE INFESTATION AND THE NEST WAS DESERTED. INACTIVE IN 2005.

Owner/Manager: PVT

Occurrence No. 1322 **Map Index:** 56449 **EO Index:** 56465
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-07-29
Site: 2005-07-26
Record Last Updated: 2007-06-21

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.45760º / -121.90104º
UTM: Zone-10 N4257160 E595883
Radius: 80 meters
Elevation: 90 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 18 **Qtr:** NE
Meridian: M

Location: SOUTH OF SILVEYVILLE ROAD, 0.75 MILE EAST OF MERIDIAN ROAD, 4 MILES WEST OF DIXON.

Location Detail: RESSEGUIE'S ALLENDALE 59. NEST IS LOCATED AT THE 90% HEIGHT OF A WILLOW ON A SMALL DITCH BANK.

Ecological: NEST TREE IS A SMALL, ISOLATED WILLOW; ALFALFA LOCATED TO THE WEST AND PASTURE TO THE EAST.

General: NEST MONITORED 13 APR-29 JUL 2004; 3 YOUNG FLEDGED. INACTIVE IN 2005.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1323 **Map Index:** 56450 **EO Index:** 56466

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-20
Site: 2005-07-20
Record Last Updated: 2007-06-21

Quad Summary: Dixon (3812147/498A), Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.47236º / -121.87687º
UTM: Zone-10 N4258824 E597972
Radius: 80 meters
Elevation: 85 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 09 **Qtr:** NW
Meridian: M

Location: SOUTH OF THISSELL ROAD, 0.95 MILE WEST OF SCHROEDER ROAD, 3 MILES NW OF DIXON.

Location Detail: RESSEGUIE'S ALLENDALE 60. NEST IS LOCATED AT THE 90% HEIGHT OF THE NORTHMOST OF 3 BLUE GUMS EAST OF THE SMALLER, SOUTHERN HOUSE, ~300 METERS SOUTH OF THE ROAD.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED TO THE EAST BY CULTIVATED LAND AND TO THE WEST BY A NORTH-SOUTH IRRIGATION DITCH, THEN AN IMMENSE ALFALFA FIELD.

General: NEST MONITORED 13 APR-12 AUG 2004; 1 FLEDGED. NEST MONITORED 16 APR-20 JUL 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1324 **Map Index:** 56451 **EO Index:** 56467

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-30
Site: 2005-07-30
Record Last Updated: 2007-07-17

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.39688º / -121.73187º
UTM: Zone-10 N4250612 E610736
Radius: 80 meters
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 03 **Qtr:** NE
Meridian: M

Location: 0.2 MILE NORTH OF THE INTERSECTION OF TREFOIL ROAD AND ETZEL ROAD, 5.5 MILES SE OF DIXON.

Location Detail: RESSEGUIE'S SAXON 14. 2004 NEST LOCATED AT THE 80% HEIGHT OF A LOCUST IN THE SE CORNER OF A GROVE OF TREES. 2005 NEST WAS LOCATED IN A WALNUT IN THE SE PART OF THE GROVE.

Ecological: NEST TREE IS A LOCUST; SURROUNDED BY CULTIVATED LAND TO THE WEST, ALFALFA CLOSE, THEN PASTURE

General: SITE SUSPECTED IN 2001, BUT NOT CONFIRMED. NEST MONITORED 18 MAR-5 AUG 2004; 1 FLEDGED. NEST MONITORED 30 MAR-30 JUL 2005; 1 ADVANCED DEAD CHICK FOUND BELOW NEST AND 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1325 **Map Index:** 56452 **EO Index:** 56468

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-21
Site: 2005-08-21
Record Last Updated: 2007-07-16

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.41371º / -121.73993º
UTM: Zone-10 N4252471 E610008
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 34 **Qtr:** NW
Meridian: M

Location: 0.2 MILE SOUTH OF MIDWAY ROAD, 0.5 MILE EAST OF SIKES ROAD, 5 MILES SE OF DIXON.

Location Detail: RESSEGUIE'S SAXON 21. 2004 NEST TREE LOCATED WITHIN A CLUMP OF TREES ALONG A PRIVATE DIRT ROAD. NEST/BIRDS DIFFICULT TO SEE.

Ecological: NEST TREE IS A LOCUST; SUNFLOWERS GROWING TO THE WEST AND A HARVESTED WHEAT FIELD TO THE EAST.

General: SITE OCCUPIED BY RTHA IN 2001. PROBABLY UNOCCUPIED IN 2002. NEST MONITORED 18 MAR-5 AUG 2004; 1 FLEDGED. NEST MONITORED 23 APR-21 AUG 2005; POSSIBLE MISSED FLEDGLING.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1326 **Map Index:** 56454 **EO Index:** 56470
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-29
Site: 2005-07-29
Record Last Updated: 2007-07-17

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.44835º / -121.74626º
UTM: Zone-10 N4256307 E609403
Radius: 80 meters
Elevation: 40 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 15 **Qtr:** SW
Meridian: M

Location: EAST OF SIKES ROAD, 0.25 MILE SOUTH OF HACKMAN ROAD, 4 MILES EAST OF DIXON.

Location Detail: RESSEGUIE'S SAXON 29. 2004 NEST LOCATED AT THE 80% HEIGHT OF THE SECOND TREE FROM THE WEST (A LOCUST), NORTH OF THE DRIVEWAY OF A LARGE FARMSTEAD AT 7890 SIKES ROAD (NEST VIEWED FROM ENE OF NEST TREE, NOT FROM THE ROAD).

Ecological: NEST TREE IS A LOCUST; CULTIVATED LAND IN ALL DIRECTIONS.

General: NEST MONITORED 18 MAR-13 JUL 2004; 2 FLEDGED. NEST MONITORED 1 MAR-29 JUL 2005; 2 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1327 **Map Index:** 56458 **EO Index:** 56474
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-05-09
Site: 2005-08-10
Record Last Updated: 2007-07-17

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.48784º / -121.72292º
UTM: Zone-10 N4260717 E611379
Radius: 80 meters
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 02 **Qtr:** NE
Meridian: M

Location: EAST SIDE OF BULKLEY ROAD, 0.5 MILE SOUTH OF TREMONT ROAD, 6 MILES NE OF DIXON.

Location Detail: RESSEGUIE'S SAXON 30. 2004 NEST LOCATED AT THE 90% HEIGHT, ON THE EAST SIDE, OF A RAGGED COTTONWOOD (EASTMOST OF THE LARGER TREES ON THE NORTH EDGE OF THE FARMSTEAD).

Ecological: NEST TREE IS A COTTONWOOD; SURROUNDED BY ALFALFA TO THE WEST, NORTH, AND SOUTH.

General: NEST MONITORED 7 APR-5 AUG 2004; 1 FLEDGED. NEST MONITORED 22 APR-10 AUG 2005; INCUBATION OBSERVED ON 9 MAY, BUT NO FURTHER SIGHTINGS.

Owner/Manager: PVT

Occurrence No. 1328 **Map Index:** 56459 **EO Index:** 56475
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-08-20
Site: 2004-08-20
Record Last Updated: 2007-07-17

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.40147º / -121.72100º
UTM: Zone-10 N4251135 E611679
Radius: 80 meters
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 02 **Qtr:** NE
Meridian: M

Location: JUST SE OF THE INTERSECTION OF BULKLEY ROAD AND KING ROAD, 6 MILES SE OF DIXON.

Location Detail: RESSEGUIE'S SAXON 31. 2004 NEST DIFFICULT TO SEE.

Ecological: NEST TREE IS A PINE.

General: NEST MONITORED 12 APR-20 AUG 2004; ADULTS SEEN, FLEDGING OUTCOME UNKNOWN. INACTIVE IN 2005.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1329 **Map Index:** 56460 **EO Index:** 56476
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-16
Site: 2005-07-16
Record Last Updated: 2007-07-17

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.47411º / -121.70446º
UTM: Zone-10 N4259216 E613010
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 12 **Qtr:** SW
Meridian: M

Location: SOUTH SIDE OF MAXWELL ROAD, 0.8 MILE EAST OF BULKLEY ROAD, 6 MILES ENE OF DIXON.

Location Detail: RESSEGUIE'S SAXON 33. 2004 NEST LOCATED IN AN ELM AT THE SE CORNER OF THE HOUSE AT 8292 MAXWELL ROAD. 2005 NEST LOCATED IN A DEODAR CEDAR BETWEEN THE HOUSE AND THE ROAD.

Ecological: NEST TREE IS A DEODAR CEDAR

General: NEST MONITORED 17 MAY-10 AUG 2004; 3 YOUNG FLEDGED. NEST MONITORED 11 APR-16 JUL 2005; 2 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1330 **Map Index:** 56461 **EO Index:** 56477
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-08-12
Site: 2004-08-12
Record Last Updated: 2004-08-24

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.48463º / -121.69861º
UTM: Zone-10 N4260391 E613504
Radius: 80 meters
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 01 **Qtr:** NE
Meridian: M

Location: SW OF THE INTERSECTION OF ROAD 36 AND THE WEST END OF MACE ROAD (HWY 104), 7 MILES ENE OF DIXON.

Location Detail: RESSEGUIE'S SAXON 34. 2004 NEST TREE IS THE EASTMOST BLUE GUM EUCALYPTUS IN A ROW.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY RUDERAL NORTH TO A FARMSTEAD AND CULTIVATED LAND TO THE SOUTH.

General: INADEQUATE OBSERVATION DUE TO DIFFICULTY GAINING ACCESS IN 2004. NEST MONITORED 19 MAY-12 AUG 2004; ON 19 MAY, ADULT DEFENDED NEST AND BEGGING CALLS WERE HEARD FROM THE NEXT TREE.

Owner/Manager: UNKNOWN

Occurrence No. 1331 **Map Index:** 56474 **EO Index:** 56490
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-04-12
Site: 2005-07-16
Record Last Updated: 2007-07-17

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.49541º / -121.73128º
UTM: Zone-10 N4261547 E610638
Radius: 80 meters
Elevation: 40 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 02E
Section: 35 **Qtr:** NW
Meridian: M

Location: NORTH SIDE OF TREMONT ROAD, JUST EAST OF EGGERT ROAD, 6 MILES NE OF DIXON.

Location Detail: RESSEGUIE'S SAXON 35. SITE IS LOCATED AT 8752 EGGERT ROAD, WHERE A NEW HOUSE WAS UNDER CONSTRUCTION IN 2004. NEST TREE WAS A EUCALYPTUS.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY A NEW ALMOND ORCHARD TO THE SOUTH AND EAST AND A WALNUT ORCHARD, JUST BEGINNING PRODUCTION, TO THE NORTH.

General: NEST SITE MONITORED 19 MAY-17 AUG 2004; ADULTS CONSISTENTLY PRESENT FROM 30 MAY-13 AUG, BUT NEST COULD NOT BE FOUND (NESTING PRESUMED). NEST MONITORED 12 APR-16 JUL 2005; NEST-BUILDING OBSERVED ON 12 APR, BUT NO LATER SIGHTINGS.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1332 **Map Index:** 56475 **EO Index:** 56491
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-04
Site: 2005-08-11
Record Last Updated: 2007-07-17

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.47425º / -121.71807º
UTM: Zone-10 N4259215 E611823
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 11 **Qtr:** SE
Meridian: M

Location: NORTH SIDE OF MAXWELL ROAD, 0.15 MILE EAST OF BULKLEY ROAD, 6 MILES ENE OF DIXON.

Location Detail: RESSEGUIE'S SAXON 36. SITE IS LOCATED AT A FARMSTEAD AT 8093 MAXWELL ROAD. 2004 NEST LOCATED AT THE 90% HEIGHT, ON THE SOUTH SIDE, OF THE SOUTHMOST RED GUM EUCALYPTUS WITHIN A NORTH-SOUTH ROW.

Ecological: NEST TREE IS A RED GUM EUCALYPTUS.

General: NEST SITE MONITORED 5 AUG-10 AUG 2004; 1 YOUNG FLEDGED. NEST MONITORED 22 APR-11 AUG 2005; 1 LARGE CHICK SEEN ON 4 JUL, BUT NO FLEDGLING DETECTED.

Owner/Manager: PVT

Occurrence No. 1333 **Map Index:** 56545 **EO Index:** 56561
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-07-24
Site: 2004-07-24
Record Last Updated: 2004-08-30

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.22204º / -121.84225º
UTM: Zone-10 N4231084 E601341
Radius: 80 meters
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 01E
Section: 02 **Qtr:** XX
Meridian: M

Location: EAST SIDE OF GOOSEHAVEN ROAD, 0.15 MILE NORTH OF LAMBIE ROAD, 2 MILES NE OF RIO VISTA JUNCTION.

Location Detail: RESSEGUIE'S BIRDS LANDING 8. 2004 NEST WAS LOCATED AT THE 2/3 HEIGHT, ON THE NE SIDE OF A BIG, SPRAWLING EUCALYPTUS ON THE EAST SHOULDER OF GOOSEHAVEN ROAD (THE FIRST TREE EAST OF THE DOUBLE TREE AT THE FENCE).

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY PASTURE.

General: NEST SITE MONITORED 14 MAY-24 JUL 2004; INADEQUATELY OBSERVED TO DETERMINE NEST SUCCESS.

Owner/Manager: UNKNOWN

Occurrence No. 1368 **Map Index:** 56864 **EO Index:** 56880
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-29
Site: 2005-07-29
Record Last Updated: 2005-08-22

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.48727º / -121.67751º
UTM: Zone-10 N4260709 E615340
Radius: 80 meters
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 03E
Section: 06 **Qtr:** XX
Meridian: M

Location: JUST SW OF THE INTERSECTION OF ROAD 105 AND ROAD 36, 5 MILES SE OF DAVIS.

Location Detail: RESSEGUIE'S SAXON 17.5. THIS SITE WAS TYPICALLY A RTHA NEST SITE IN PREVIOUS YEARS. 2004 SWHA NEST TREE WAS A HUGE BLUE GUM IN THE SW QUADRANT, JUST INSIDE THE FENCE OF THE MIGRANT LABOR CAMP PROPERTY.

Ecological: NEST TREE WAS A BLUE GUM EUCALYPTUS; SURROUNDED BY A WASTEWATER DISPOSAL AREA TO THE SW, THEN ALFALFA, RUDERAL TO THE NORTH, AND ALFALFA TO THE NE AND SE.

General: THIS WAS A RTHA NEST SITE PRIOR TO 2004. NEST MONITORED 5 MAR-28 JUL 2004; 1 YOUNG FLEDGED. NEST MONITORED 22 FEB-29 JUL 2005; 1 FLEDGED.

Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1372 **Map Index:** 57005 **EO Index:** 57021
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-XX
Site: 2004-05-XX
Record Last Updated: 2004-09-27

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.20933º / -122.12513º
UTM: Zone-10 N4229403 E576592
Radius: 80 meters
Elevation: 3 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 07 **Qtr:** XX
Meridian: M

Location: ALONG CORDELIA SLOUGH, 0.8 MILE SE OF THE JUNCTION OF I-80 AND I-680, EAST OF CORDELIA.

Ecological: NEST TREE IS LOCATED WITHIN THE RIPARIAN AREA ALONG CORDELIA SLOUGH; SURROUNDED BY GRAZED ANNUAL GRASSLAND.

General: 2 ADULTS AND 1 JUVENILE OBSERVED AT THE NEST DURING MAY 2004.

Owner/Manager: PVT

Occurrence No. 1377 **Map Index:** 57350 **EO Index:** 57366
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-06
Site: 2005-08-06
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.41634º / -121.79538º
UTM: Zone-10 N4252697 E605162
Radius: 80 meters
Elevation: 45 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 31 **Qtr:** NW
Meridian: M

Location: SOUTH SIDE OF MIDWAY ROAD, 0.5 MILE EAST OF PEDRICK ROAD, 2.5 MILES SE OF DIXON

Location Detail: NEST TREE WAS LOCATED ON THE WEST SIDE OF THE DRIVEWAY AT 6972 MIDWAY ROAD, WITHIN A ROW OF MAINLY PINES, BUT ALSO OLIVES. PARTIAL NEST WAS AT THE 90% HEIGHT OF THE NORTHMOST PINE.

Ecological: NEST TREE WAS A PINE; SURROUNDED BY ALFALFA TO THE NORTH, CULTIVATED LAND TO THE WEST, AND PASTURE TO THE EAST.

General: NEST MONITORED 11 MAY-15 AUG 2004; SWHA CUTTING A TWIG AND BUILDING/REPAIRING NEST ON 11 MAY 2004. NO NEST VISIBLE ON 29 JUL, 5 AUG, AND 10 AUG 2004, BUT PERCHED ADULTS WERE PRESENT. NEST MONITORED 24 APR-6 AUG 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1378 **Map Index:** 57354 **EO Index:** 57370
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-08-06
Site: 2005-05-11
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.41943º / -121.78170º
UTM: Zone-10 N4253056 E606352
Radius: 80 meters
Elevation: 40 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 29 **Qtr:** SW
Meridian: M

Location: 0.2 MILE NORTH OF MIDWAY ROAD AND 0.2 MILE EAST OF ROBBEN ROAD, 2.7 MILES SE OF DIXON

Location Detail: 2004 NEST IS LOCATED AT THE 2/3 HEIGHT, ON THE WEST SIDE, OF A BLACK WALNUT, THE LARGEST TREE ON THE SITE, LOCATED WEST OF THE HOUSE.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDED BY CULTIVATED LAND IN ALL DIRECTIONS.

General: NEST MONITORED 19 MAR-6 AUG 2004; 1 YOUNG FLEDGED. NEST SITE MONITORED 23 APR-11 MAY 2005; GHOW OCCUPYING NEST.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1379 **Map Index:** 57391 **EO Index:** 57407

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-11
Site: 2005-08-11
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.49550º / -121.77394º
UTM: Zone-10 N4261506 E606917
Radius: 80 meters
Elevation: 50 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 02E
Section: 32 **Qtr:** NE
Meridian: M

Location: SOUTH SIDE OF TREMONT ROAD, 0.3 MILE WEST OF RUNGE ROAD, 4 MILES NE OF DIXON

Location Detail: 2004 NEST LOCATED ON THE EAST SIDE OF THE WEST OF TWO PALMS, AT THE BASE OF THE LIVE LEAVES. 2005 NEST WAS A BLACK WALNUT BETWEEN THE NEW HOUSE AND THE OCCUPIED MOBILE HOME.

Ecological: NEST TREE WAS A BLACK WALNUT; NEW HOUSE CONSTRUCTION WAS COMPLETE BEFORE 1 MAR 2004, WHEN THE SWHA BEGIN ARRIVING.

General: THIS SITE WAS SUSPECTED AS A NEST SITE IN PRIOR YEARS BUT NEVER CONFIRMED. NEST WITH 1 DOWNY CHICK OBSERVED ON 22 MAY 2002. NEST MONITORED 19 MAR-2 AUG 2004; 1 FLEDGED, PLUS 1 UNHATCHED EGG. NEST MONITORED 1 APR-11 AUG 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1380 **Map Index:** 57393 **EO Index:** 57409

Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-06-04
Site: 2005-00-80
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.48896º / -121.83882º
UTM: Zone-10 N4260707 E601268
Radius: 80 meters
Elevation: 70 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 02 **Qtr:** NW
Meridian: M

Location: SOUTH SIDE OF SIEVERS ROAD, 0.1 MILE EAST OF PITT SCHOOL ROAD, 2.5 MILES NNE OF DIXON

Location Detail: 2004 NEST LOCATED IN THE THIRD ALMOND FROM THE NORTH, IN THE FIRST ROW WEST OF THE NORTH SHOULDER CROSSROAD WARNING SIGN.

Ecological: NEST TREE WAS AN ALMOND; SURROUNDED BY CULTIVATED LAND NORTH OF ROAD.

General: SITE SUSPECTED IN 2001, BUT NOT CONFIRMED. NO OBSERVATIONS IN 2002. NEST MONITORED 24 APR-12 AUG 2004; INADEQUATE OBSERVATIONS TO DETERMINE NEST SUCCESS. NEST MONITORED 31 MAR-1 AUG 2005; INCUBATION ON 4 JUN, BUT NONE FLEDGED.

Owner/Manager: PVT

Occurrence No. 1381 **Map Index:** 57395 **EO Index:** 57411

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-13
Site: 2005-08-13
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.41671º / -121.85712º
UTM: Zone-10 N4252670 E599772
Radius: 80 meters
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 34 **Qtr:** NW
Meridian: M

Location: SOUTH SIDE OF MIDWAY ROAD, 0.15 MILE EAST OF BATAVIA ROAD, 2.5 MILES SW OF DIXON

Location Detail: 2004 NEST LOCATED AT THE 85% HEIGHT OF THE NEST TREE, NEAR THE MIDDLE OF THE ROW.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDED BY CULTIVATED LAND TO THE NORTH AND SOUTH.

General: SITE SUSPECTED IN 2002, BUT NOT CONFIRMED. NEST MONITORED 21 MAR-18 JUL 2004; 2 YOUNG FLEDGED. NEST MONITORED 18 APR-13 AUG 2005; 1 FLEDGED.

Owner/Manager: UNKNOWN

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1382 **Map Index:** 57396 **EO Index:** 57412
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-19
Site: 2005-07-19
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.48938º / -121.87301º
UTM: Zone-10 N4260717 E598286
Radius: 80 meters
Elevation: 85 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01E
Section: 04 **Qtr:** NW
Meridian: M

Location: SOUTH SIDE OF SIEVERS ROAD, 1 MILE WEST OF STEVENSON BRIDGE ROAD, 3 MILES NW OF DIXON
Location Detail: 2004 NEST WAS LOCATED AT THE 95% HEIGHT, ON THE WEST SIDE, OF THE WESTERN OF TWO SOUTH SHOULDER DECIDUOUS TREES.
Ecological: NEST TREE WAS A BLACK WALNUT; SURROUNDED BY COMPLEX CULTIVATION TO THE NORTH AND ALFALFA TO THE NE.
General: NEST MONITORED 11 MAR-16 JUL 2004; 1 YOUNG FLEDGED. NEST MONITORED 17 MAR-19 JUL 2005; 2 FLEDGED.
Owner/Manager: UNKNOWN

Occurrence No. 1383 **Map Index:** 57398 **EO Index:** 57414
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-07-18
Site: 2005-07-21
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.49163º / -121.78694º
UTM: Zone-10 N4261062 E605790
Radius: 80 meters
Elevation: 85 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 08N
Range: 02E
Section: 32 **Qtr:** NW
Meridian: M

Location: EAST SIDE OF ROBBEN ROAD, 0.3 MILE SOUTH OF TREMONT ROAD, 3.5 MILES NE OF DIXON
Location Detail: 2004 NEST LOCATED AT THE 90% HEIGHT, ON THE SW LOBE, OF THE NE CORNER TREE.
Ecological: NEST TREE IS A LOCUST; RUDERAL LAND IN THE FARMSTEAD AREA, SURROUNDED IN ALL DIRECTIONS BY CULTIVATED LAND.
General: NEST MONITORED 20 MAR-17 JUL 2004; 1 YOUNG FLEDGED. NEST SITE MONITORED 17 MAR-21 JUL 2005; SINGLE ADULT SIGHTING ON 17 MAR.
Owner/Manager: PVT

Occurrence No. 1384 **Map Index:** 57402 **EO Index:** 57418
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-12
Site: 2005-08-12
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.46120º / -121.82191º
UTM: Zone-10 N4257645 E602783
Radius: 80 meters
Elevation: 65 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01E
Section: 12 **Qtr:** SW
Meridian: M

Location: EAST SIDE OF FIRST STREET (HIGHWAY 113), 0.4 MILE SOUTH OF VAUGHN, DIXON
Location Detail: 2004 NEST TREE LOCATED ADJACENT TO A BOARDED-UP HOUSE, OPPOSITE THE NORTH END OF ACE HARDWARE. 2004 NEST LOCATED AT THE 85% HEIGHT, ON THE EAST TRUNK, OF THE LARGEST DECIDUOUS TREE AT THE BACK OF THE HOUSE.
Ecological: NEST TREE IS DECIDUOUS; SURROUNDED BY ENCROACHING COMMERCIAL DEVELOPMENT.
Threat: THREATENED BY IMMINENT COMMERCIAL DEVELOPMENT.
General: NEST MONITORED 19 APR-10 AUG 2004; FIRST SEEN ON 19 APR 2004, AND ADULT SITTING TIGHT ON NEST ON 17 JUN 2004. NO SWHA OBSERVED THEREAFTER ; OUTCOME UNKNOWN. NEST MONITORED 4 FEB-12 AUG 2005; 2 FLEDGED.
Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1385 **Map Index:** 57403 **EO Index:** 57419
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-04
Site: 2005-08-04
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.47092º / -121.76534º
UTM: Zone-10 N4258789 E607704
Radius: 80 meters
Elevation: 50 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 09 **Qtr:** NW
Meridian: M

Location: EAST SIDE OF RUNGE ROAD, 0.2 MILE NORTH OF VAUGHN ROAD, 3.2 MILES ENE OF DIXON

Location Detail: 2004 NEST TREE LOCATED AT THE 95% HEIGHT OF THE WESTMOST OF 3 BLACK WALNUTS, ON THE WEST EDGE OF A COMPLEX, JUST NORTH OF THE DRIVEWAY.

Ecological: NEST TREE WAS A BLACK WALNUT; SURROUNDED BY CULTIVATED LAND IN ALL DIRECTIONS.

General: NEST MONITORED 15 MAY-12 AUG 2004; FIRST SEEN ON 15 MAY 2004, AND ADULT SITTING TIGHT ON NEST ON 17 JUN 2004 (OUTCOME UNKNOWN). NEST MONITORED 24 APR-4 AUG 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1386 **Map Index:** 57405 **EO Index:** 57421
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-07-28
Site: 2005-07-11
Record Last Updated: 2007-07-03

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25771º / -121.82715º
UTM: Zone-10 N4235060 E602612
Radius: 80 meters
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 23 **Qtr:** SE
Meridian: M

Location: SOUTH END OF COOK LANE, JEPSON PRAIRIE PRESERVE, 6 MILES EAST OF TRAVIS FIELD.

Location Detail: 2004 NEST TREE WAS ONE OF THE EUCALYPTUS TREES WEST OF THE BARNS; NEST WAS AT THE 75% HEIGHT OF ONE OF THE FIRST TREES WEST OF THE BARN.

Ecological: 2004 NEST TREE IS A EUCALYPTUS; SURROUNDED BY SHEEP PENS (SHEEP/HERDERS USUALLY NOT PRESENT DURING NESTING).

General: NESTING SUSPECTED IN 2000; NOTHING FOUND IN 2001-2002, WHEN ACCESS WAS ALLOWED. NEST MONITORED 23 APR-28 JUL 2004; 1 YOUNG FLEDGED. RTHA NESTED AT THIS SITE IN 2005.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 1387 **Map Index:** 57492 **EO Index:** 57508
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-22
Site: 2005-07-22
Record Last Updated: 2007-07-03

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.37341º / -121.86957º
UTM: Zone-10 N4247852 E598744
Radius: 80 meters
Elevation: 55 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 16 **Qtr:** SW
Meridian: M

Location: 0.5 EAST OF FOX ROAD, 1.9 MILES SOUTH OF WEBER ROAD, 5.5 MILES SSW OF DIXON.

Location Detail: 2004-2005 NEST TREE LOCATED ON THE NORTH SIDE OF A PRIVATE DIRT ROAD; 2004 NEST WAS LOCATED AT THE 90% HEIGHT OF A WILLOW.

Ecological: NEST TREE WAS A WILLOW; SURROUNDED BY RUDERAL JUST SOUTH AND CULTIVATED ALL AROUND.

General: PROBABLE UNSUCCESSFUL NEST IN 2001(BASED ON ACCOUNT BY FARMER). NEST SITE MONITORED 18 APR-24 JUL 2004; NEST OCCUPIED ON 18 APR 2004, BUT THE NEST BLEW OUT BEFORE 24 MAY 2004. NEST MONITORED 18 APR-22 JUL 2005; 1 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1388 **Map Index:** 57493 **EO Index:** 57509
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-08-10
Site: 2005-08-11
Record Last Updated: 2007-07-03

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35494º / -121.80448º
UTM: Zone-10 N4245874 E604457
Radius: 80 meters
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 02E
Section: 19 **Qtr:** NW
Meridian: M

Location: EAST SIDE OF PEDRICK ROAD, 0.25 MILE NORTH OF BINGHAMPTON ROAD, 6 MILES SOUTH OF DIXON.

Location Detail: 2004 NEST LOCATED AT THE 90% HEIGHT, ON THE NE TOP, OF A RAGGED BLUE GUM EUCALYPTUS IN THE YARD OF THE RESIDENCE AT 6188 PEDRICK ROAD.

Ecological: 2004 NEST TREE WAS A EUCALYPTUS; SURROUNDED BY CULTIVATED LAND EAST OF THE TWO LARGE FARMSTEADS AND PASTURE WEST OF THE ROAD.

General: THIS SITE WAS OCCUPIED BY RTHA IN PAST YEARS. NEST MONITORED 11 APR-10 AUG 2004; 1 FLEDGED. NEST SITE MONITORED 13 APR-11 AUG 2005; ADULTS OBSERVED ON 13 & 24 APR, BUT NO NEST FOUND.

Owner/Manager: UNKNOWN

Occurrence No. 1389 **Map Index:** 57496 **EO Index:** 57512
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-05-01
Site: 2005-08-14
Record Last Updated: 2007-07-03

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.30056º / -121.82435º
UTM: Zone-10 N4239817 E602797
Radius: 80 meters
Elevation: 20 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 02 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF HIGHWAY 113, 0.5 MILE SOUTH OF BROWN ROAD, 6 MILES ENE OF TRAVIS FIELD.

Location Detail: 2004 NEST LOCATED IN THE SECOND CLUMP OF TREES (AN IRREGULARLY SPACED, STAGGERED LINE OF BLUE GUMS) WEST OF THE ROAD.

Ecological: 2004 NEST TREE WAS A EUCALYPTUS; SURROUNDED BY PASTURE.

General: ACTIVE NEST MONITORED 23 APR-10 AUG 2004; SWHA DISAPPEARED AFTER 28 MAY 2004. NEST MONITORED 13 APR-14 AUG 2005; NEST-BUILDING ON 13 APR, BUT NO SIGHTINGS AFTER 1 MAY 2005.

Owner/Manager: PVT

Occurrence No. 1390 **Map Index:** 57506 **EO Index:** 57522
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-03
Site: 2005-08-03
Record Last Updated: 2007-06-27

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.36234º / -121.89756º
UTM: Zone-10 N4246594 E596314
Radius: 80 meters
Elevation: 60 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01E
Section: 18 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF LEWIS ROAD, JUST SOUTH OF THE RAILROAD TRACKS, 0.2 MILE NORTH OF HAWKINS ROAD, 4.5 MILES EAST OF VACAVILLE

Location Detail: 2004 NEST LOCATED AT THE 90% HEIGHT, ON THE EAST SIDE OF THE TALLEST TREE.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDED BY CULTIVATED LAND TO THE SOUTH AND EAST AND TUNA (CACTUS FRUIT) FARM TO THE NE.

General: NEST MONITORED 18 APR-12 AUG 2004; 1 FLEDGED. NEST MONITORED 1 APR-3 AUG 2005; 1 FLEDGED, PLUS 1 FOUND DEAD UNDER NEST ON 3 AUG 2005.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1391 **Map Index:** 57508 **EO Index:** 57524
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-06-08
Site: 2005-08-03
Record Last Updated: 2007-06-27

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.36700º / -121.90656º
UTM: Zone-10 N4247102 E595521
Radius: 80 meters
Elevation: 70 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 18 **Qtr:** NW
Meridian: M

Location: WEST SIDE OF BYRNES ROAD, 0.5 MILE NORTH OF HAWKINS ROAD, 4.5 MILES EAST OF VACAVILLE.

Location Detail: 2004 NEST LOCATED AT THE 75% HEIGHT OF A RAGGED BLUE GUM, NORTH OF THE BARN.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; ALFALFA TO THE WEST AND NORTH. TO THE EAST THERE IS MIXED RUDERAL, A RESIDENCE, AND AN ABANDONED ORCHARD WITH SMALL TREES.

General: NEST MONITORED 3 MAY-22 JUL 2004; SWHA INCUBATING ON 4 MAY 2004, BUT OUTCOME UNKNOWN. NEST MONITORED 2 MAY-3 AUG 2005; ADULT DEFENDED NEST TREE ON 8 JUN, AND FLEDGLING (ORIGIN UNKNOWN) PERCHED IN ORCHARD ACROSS ROAD ON 11 JUL 2005.

Owner/Manager: PVT

Occurrence No. 1419 **Map Index:** 58624 **EO Index:** 58660
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Increasing

Dates Last Seen
Element: 2004-08-15
Site: 2005-08-22
Record Last Updated: 2006-04-20

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.45891º / -121.85915º
UTM: Zone-10 N4257351 E599537
Radius: 80 meters
Elevation: 75 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 15 **Qtr:** NW
Meridian: M

Location: EAST SIDE OF SCHROEDER ROAD, 0.1 MILE SOUTH OF THE JUNCTION OF SCHROEDER ROAD & SILVEYVILLE ROAD, 1.5 MILES NW OF DIXON

Location Detail: 2004 NEST LOCATED AT THE 90% HEIGHT OF THE NEST TREE.

Ecological: NEST TREE WAS AN AILANTHUS, WITHIN A NORTH-SOUTH ROW OF 3 CLOSELY-SPACED AILANTHUS TREES.

General: SUSPECTED AS A NEST SITE IN 2002, BUT NOT CONFIRMED. NEST MONITORED 22 MAR-15 AUG 2004; 2 FLEDGED. NEST SITE MONITORED 17 MAR-22 AUG; ADULTS PRESENT ON 5 OF 13 VISITS, BUT NO NEST OR CHICKS EVER SEEN.

Owner/Manager: UNKNOWN

Occurrence No. 1433 **Map Index:** 62139 **EO Index:** 62175
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-18
Site: 2005-08-25
Record Last Updated: 2007-06-27

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.31279º / -121.94277º
UTM: Zone-10 N4241049 E592427
Radius: 80 meters
Elevation: 100 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01W
Section: 02 **Qtr:** NE
Meridian: M

Location: BETWEEN VANDEN ROAD AND THE RAILROAD TRACKS, 2.5 MILES NORTH OF TRAVIS FIELD.

Location Detail: NEST TREE IS LOCATED ON SE CORNER OF THE PROPERTY AT 5424 VANDEN ROAD. NEST WAS LOCATED AT THE 70% HEIGHT OF THE NEST TREE.

Ecological: NEST TREE WAS A 30' TALL EUCALYPTUS ALONG A FENCE ROW OF A PRIVATE RESIDENCE; SURROUNDED BY A MIX OF GRASSLAND TO THE WEST AND SOUTH AND IRRIGATED AGRICULTURE TO THE EAST.

Threat: FORAGING HABITAT THREATENED BY DEVELOPMENT TO THE NORTH.

General: ADULT OBSERVED AT THE NEST ON 18 JUL 2005; APPEARED TO BE FEEDING YOUNG, ALTHOUGH NO YOUNG WERE VISIBLE. NO BIRDS WERE OBSERVED DURING 7 SITE VISITS, 3-25 AUG 2005.

Owner/Manager:

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

PVT

Occurrence No. 1434 **Map Index:** 62290 **EO Index:** 62327

Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-09
Site: 2005-08-09
Record Last Updated: 2005-08-15

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.45244º / -121.75290º
UTM: Zone-10 N4256753 E608817
Radius: 80 meters
Elevation: 45 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 16 **Qtr:** SE
Meridian: M

Location: SOUTH SHOULDER OF HACKMAN ROAD, 0.8 MILE EAST OF RUNGE ROAD, 3.7 MILES EAST OF DIXON

Location Detail: RESSEGUIE'S DIXON 99. NEST WAS LOCATED AT THE 90% HEIGHT OF THE TALLEST LOCUST, A VERY SMALL TREE.

Ecological: NEST TREE IS A LOCUST; SURROUNDED BY CULTIVATED LAND IN ALL DIRECTIONS.

General: NEST MONITORED 2 JUN-9 AUG 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1435 **Map Index:** 62291 **EO Index:** 62328

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-21
Site: 2005-07-21
Record Last Updated: 2005-08-15

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.48732º / -121.79427º
UTM: Zone-10 N4260575 E605156
Radius: 80 meters
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 06 **Qtr:** NE
Meridian: M

Location: 0.35 MILE WEST OF ROBBEN ROAD, NORTH OF THE RAILROAD TRACK, 3 MILES NE OF DIXON

Location Detail: RESSEGUIE'S DIXON 101. NEST TREE WAS LOCATED AT THE EDGE OF ADAMS GRAIN PROPERTY. NEST WAS LOCATED AT THE 95% HEIGHT OF THE TALLEST TREE IN THE SOUTH GROUP OF A NORTH-SOUTH GROUP OF EUCALYPTUS.

Ecological: NEST TREE IS A BLUE GUM (EUCALYPTUS); SURROUNDED BY ALFALFA TO THE WEST AND SOUTH AND CULTIVATED LAND TO THE NORTH.

General: NEST MONITORED 21 JUN-21 JUL 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1436 **Map Index:** 62292 **EO Index:** 62329

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-09
Site: 2005-08-09
Record Last Updated: 2005-08-15

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35840º / -121.83719º
UTM: Zone-10 N4246221 E601594
Radius: 80 meters
Elevation: 40 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 23 **Qtr:** NW
Meridian: M

Location: SOUTH SHOULDER OF HAWKINS ROAD, 0.2 MILE EAST OF PITT SCHOOL ROAD, 4 MILES EAST OF ELMIRA

Location Detail: RESSEGUIE'S DOZIER 33. NEST WAS LOCATED AT THE 80% HEIGHT OF A SOUTH ROW EUCALYPTUS, SEVERAL TREES WEST OF A CLEARING.

Ecological: NEST TREE IS A BLUE GUM (EUCALYPTUS); SURROUNDED BY ALFALFA TO THE WEST AND SOUTH AND CULTIVATED LAND TO THE NORTH.

General: NEST MONITORED 3 MAY-9 AUG 2005; 1 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1439 **Map Index:** 62295 **EO Index:** 62332
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-06
Site: 2005-08-06
Record Last Updated: 2005-08-15

Quad Summary: Merritt (3812157/514D), Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.49948º / -121.75949º
UTM: Zone-10 N4261965 E608172
Radius: 80 meters
Elevation: 50 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 02E
Section: 33 **Qtr:** XX
Meridian: M

Location: ALONG THE EAST SIDE OF OLD DAVIS ROAD, 0.25 MILE NORTH OF TREMONT ROAD, 3 MILES SOUTH OF DAVIS.

Location Detail: RESSEGUIE'S MERRITT 93. NEST WAS LOCATED AT THE 90% HEIGHT OF THE FIRST ROADSIDE TREE NORTH OF THE ENTRY ROAD; VISIBLE ONLY FROM THE WEST OR DIRECTLY BELOW.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDED BY CULTIVATED LAND IN ALL DIRECTIONS.

General: NEST MONITORED 23 APR-6 AUG 2005; 1 FLEDGED.

Owner/Manager: UNKNOWN

Occurrence No. 1440 **Map Index:** 62296 **EO Index:** 62333
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-16
Site: 2005-07-16
Record Last Updated: 2005-08-15

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.40555º / -121.72188º
UTM: Zone-10 N4251587 E611596
Radius: 80 meters
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 35 **Qtr:** SW
Meridian: M

Location: ALONG THE WEST SIDE OF BULKLEY ROAD, 0.25 MILE NORTH OF KING ROAD, 13 MILES SW OF DAVIS.

Location Detail: RESSEGUIE'S SAXON 38. NEST TREE WAS LOCATED AT A SMALL FARMSTEAD CONTAINING LOCUST TREES. NEST WAS LOCATED AT THE 2/3 HEIGHT OF THE TALLEST LOCUST NW OF THE HOUSE.

Ecological: NEST TREE IS A LOCUST; SURROUNDED BY ALFALFA TO THE NE AND CULTIVATED LAND IN ALL OTHER DIRECTIONS.

General: NEST MONITORED 22 APR-16 JUL 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1441 **Map Index:** 62297 **EO Index:** 62334
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-20
Site: 2005-07-20
Record Last Updated: 2005-08-15

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.45188º / -121.92745º
UTM: Zone-10 N4256499 E593587
Radius: 80 meters
Elevation: 110 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01W
Section: 13 **Qtr:** NW
Meridian: M

Location: 0.1 MILE SOUTH OF ALLENDALE ROAD, 0.7 MILE EAST OF LEISURE TOWN ROAD, 5 MILES WEST OF DIXON.

Location Detail: RESSEGUIE'S ALLENDALE 62. NEST TREE WAS LOCATED IN A RAGGED LOCUST, SOMEWHAT SOUTH OF A NORTH ROW OF TALL TREES.

Ecological: NEST TREE IS A LOCUST; SURROUNDED BY ALFALFA TO THE EAST AND NE, ORCHARD TO THE WEST, FIRST-YEAR ORCHARD TO THE NORTH, AND PENS TO THE SOUTH.

General: SITE SUSPECTED, BUT NOT CONFIRMED AS A NEST SITE IN 2004. NEST MONITORED 29 APR-20 JUL 2005; 1 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1442 **Map Index:** 62298 **EO Index:** 62335
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-20
Site: 2005-07-20
Record Last Updated: 2005-08-15

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.42559º / -121.91578º
UTM: Zone-10 N4253594 E594639
Radius: 80 meters
Elevation: 90 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01W
Section: 25 **Qtr:** NE
Meridian: M

Location: WEST SIDE OF MERIDIAN ROAD, 0.25 MILE NORTH OF GRIFFEN LANE, 4.7 MILES WSW OF DIXON.
Location Detail: RESSEGUIE'S ALLENDALE 67. NEST TREE WAS LOCATED WITHIN THE NORTH PART OF A ROW OF BLUE GUM EUCALYPTUS. NEST WAS LOCATED AT THE 80% HEIGHT OF THE TALLEST BLUE GUM, OPPOSITE #7486 (HOUSE NUMBER).
Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS.
General: NEST MONITORED 30 APR-20 JUL 2005; 3 FLEDGED.
Owner/Manager: PVT

Occurrence No. 1443 **Map Index:** 62299 **EO Index:** 62336
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-03
Site: 2005-08-03
Record Last Updated: 2005-08-15

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.40005º / -121.90603º
UTM: Zone-10 N4250769 E595524
Radius: 80 meters
Elevation: 75 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 06 **Qtr:** NW
Meridian: M

Location: WEST SHOULDER OF BYRNES ROAD, 0.15 MILE SOUTH OF WEBER ROAD, 5 MILES WEST OF DIXON.
Location Detail: RESSEGUIE'S ALLENDALE 70. NEST TREE IS ONE OF TWO OAKS, JUST NORTH OF THE CANAL.
Ecological: NEST TREE IS AN OAK; SURROUNDED BY CULTIVATED LAND TO THE NW AND SE, PENS TO THE SE, AND RUDERAL TO THE NE.
General: NEST MONITORED 20 MAY-3 AUG 2005; 1 FLEDGED.
Owner/Manager: SOL COUNTY

Occurrence No. 1444 **Map Index:** 62300 **EO Index:** 62337
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-20
Site: 2005-07-20
Record Last Updated: 2005-08-15

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.44630º / -121.90161º
UTM: Zone-10 N4255906 E595848
Radius: 80 meters
Elevation: 90 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 18 **Qtr:** SE
Meridian: M

Location: NORTH SIDE OF DIXON AVENUE WEST, 0.3 MILE WEST OF JAHN AVENUE, 4 MILES WEST OF DIXON.
Location Detail: RESSEGUIE'S ALLENDALE 72. NEST WAS LOCATED AT THE 90% HEIGHT OF THE SE BLUE GUM EUCALYPTUS.
Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY ALFALFA TO THE SE, CULTIVATED LAND TO THE SW, ORCHARD TO THE EAST, AND PASTURE TO THE WEST.
General: NEST MONITORED 26 MAY-20 JUL 2005; 2 FLEDGED.
Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1445 **Map Index:** 62301 **EO Index:** 62338
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-02
Site: 2005-08-02
Record Last Updated: 2005-08-15

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.40160º / -121.91244º
UTM: Zone-10 N4250935 E594962
Radius: 80 meters
Elevation: 80 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 06 **Qtr:** NW
Meridian: M

Location: SOUTH SIDE OF WEBER ROAD, 0.35 MILE WEST OF BYRNES AVENUE, 4 MILES WEST OF DIXON.
Location Detail: RESSEGUIE'S ALLENDALE 74. NEST WAS LOCATED IN THE SECOND TREE FROM THE SOUTH.
Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY RUDERAL VEGETATION BETWEEN AND AROUND TREES.
General: NEST MONITORED 10 JUL-2 AUG 2005; 1 FLEDGED.
Owner/Manager: PVT

Occurrence No. 1448 **Map Index:** 62304 **EO Index:** 62341
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-02
Site: 2005-08-02
Record Last Updated: 2005-08-15

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.46733º / -121.84996º
UTM: Zone-10 N4258295 E600327
Radius: 80 meters
Elevation: 75 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 10 **Qtr:** SE
Meridian: M

Location: SOUTH SIDE OF SILVEYVILLE ROAD, AT THE BEND, 0.5 MILE WEST OF PITT SCHOOL ROAD, 2 MILES NE OF DIXON.
Location Detail: RESSEGUIE'S DIXON 94. NEST TREE WAS THE FIRST TALL BLACK WALNUT SOUTH OF THE TALL BLACK WALNUT AT THE CORNER. NEST WAS LOCATED AT THE 90% HEIGHT OF THE NEST TREE.
Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDED BY CULTIVATED TO THE NORTH AND WEST, AND ORCHARD TO THE SOUTH AND EAST.
General: NEST MONITORED 29 APR-2 AUG 2005; 1 FLEDGED.
Owner/Manager: PVT

Occurrence No. 1449 **Map Index:** 62338 **EO Index:** 62375
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-30
Site: 2005-07-30
Record Last Updated: 2005-08-18

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.23683º / -121.79755º
UTM: Zone-10 N4232776 E605233
Radius: 80 meters
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02E
Section: 31 **Qtr:** NW
Meridian: M

Location: 0.35 MILE SOUTH OF ROBINSON ROAD AND 0.4 MILE EAST OF HIGHWAY 113, 7.5 MILES NW OF RIO VISTA
Location Detail: NEST WAS LOCATED AT THE 75% HEIGHT OF THE NEST TREE, ON THE NE SIDE.
Ecological: NEST TREE IS AN ISOLATED BLUE GUM EUCALYPTUS IN A LARGE, UNIRRIGATED PASTURE.
General: SUSPECTED NEST SITE IN 2004, BUT NOT CONFIRMED. NEST MONITORED 13 APR-30 JUL 2005; 1 FLEDGED.
Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1450 **Map Index:** 62339 **EO Index:** 62376
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-08
Site: 2005-08-08
Record Last Updated: 2005-08-18

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.22201º / -121.77814º
UTM: Zone-10 N4231153 E606953
Radius: 80 meters
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02E
Section: 05 **Qtr:** NW
Meridian: M

Location: 0.15 MILE NORTH OF ROBINSON ROAD AND 1.5 MILE EAST OF HIGHWAY 113, 6 MILES NW OF RIO VISTA

Location Detail: NEST APPARENTLY AT 85% HEIGHT IN THE MAIN ROW OF BLUE GUM EUCALYPTUS. UNCERTAINTY ABOUT NEST, BECAUSE IT WAS ONLY FOUND ON FOOT AFTER THE FLEDGLINGS HAD LEFT.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY UNIRRIGATED PASTURE IN ALL DIRECTIONS. RTHA NEST TO THE NORTH.

General: SUSPECTED NEST SITE IN 2004, BUT NOT CONFIRMED. NEST MONITORED 3 JUL-8 AUG 2005; 2 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1453 **Map Index:** 62343 **EO Index:** 62380
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-13
Site: 2005-08-13
Record Last Updated: 2005-08-18

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.44584º / -121.82851º
UTM: Zone-10 N4255934 E602229
Radius: 80 meters
Elevation: 65 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 23 **Qtr:** SE
Meridian: M

Location: NORTH SIDE OF WEST A STREET, JUST WEST OF WASHINGTON STREET, DIXON

Location Detail: NEST TREE IS LOCATED AT THE THIRD HOUSE WEST OF WASHINGTON STREET. NEST WAS LOCATED AT THE 85% HEIGHT OF THE TALLEST DEODAR CEDAR.

Ecological: NEST TREE IS A DEODAR CEDAR; SURROUNDED BY MIXED RESIDENTIAL AND COMMERCIAL.

General: NESTING SUSPECTED IN 2002, BUT NOT CONFIRMED. NO SWHA OBSERVATIONS IN 2004. NEST MONITORED 26 JUL-13 AUG 2005; 1 FLEDGED.

Owner/Manager: PVT

Occurrence No. 1454 **Map Index:** 62344 **EO Index:** 62381
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-30
Site: 2005-07-30
Record Last Updated: 2005-08-18

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.38362º / -121.81064º
UTM: Zone-10 N4249050 E603877
Radius: 80 meters
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 12 **Qtr:** NE
Meridian: M

Location: 0.3 MILE WEST OF PEDRICK ROAD AND 0.5 MILE SOUTH OF CASEY ROAD, 4 MILES SOUTH OF DIXON

Location Detail: NEST WAS LOCATED AT THE 90% HEIGHT OF THE TALL BLUE GUM (EUCALYPTUS).

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS WITHIN A MIXED GROVE; ALFALFA SURROUNDS THE GROVE.

General: NEST MONITORED 13 APR-30 JUL 2005; 3 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1455 **Map Index:** 62345 **EO Index:** 62382

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-12
Site: 2005-08-12
Record Last Updated: 2005-08-18

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.46717º / -121.83537º
UTM: Zone-10 N4258293 E601600
Radius: 80 meters
Elevation: 70 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01E
Section: 11 **Qtr:** NE
Meridian: M

Location: SOUTH SIDE OF SILVEYVILLE ROAD, 0.3 MILE EAST OF PITT SCHOOL ROAD, 1 MILE NNW OF DIXON

Location Detail: NEST WAS LOCATED AT THE 90% HEIGHT OF A VERY LARGE BLACK WALNUT ON THE EAST SIDE OF THE DRIVEWAY, EAST OF THE FARMSTEAD HOUSE.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDED BY A WALNUT ORCHARD TO THE SOUTH AND CULTIVATED LAND TO THE NORTH.

General: NEST MONITORED 29 APR-12 AUG 2005; 1 CHICK IN THE NEST ON 27 JUN 2005, BUT NO FLEDGLINGS DETECTED.

Owner/Manager: PVT

Occurrence No. 1456 **Map Index:** 62349 **EO Index:** 62386

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-12
Site: 2005-08-12
Record Last Updated: 2005-08-18

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.35170º / -121.89146º
UTM: Zone-10 N4245420 E596860
Radius: 80 meters
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 20 **Qtr:** NW
Meridian: M

Location: NORTH SHOULDER OF HOLDENER ROAD, 0.1MILE WEST OF CHICORP ROAD, 5 MILES EAST OF VACAVILLE

Location Detail: NEST NOT VISIBLE, BUT INFERRED BY ADULT BEHAVIOR WITHIN A ROW OF OSAGE ORANGES.

Ecological: NEST TREE IS AN OSAGE ORANGE; PASTURE TO THE NORTH AND SE, AND CULTIVATED LAND TO THE SOUTH THAT WAS FORMERLY PASTURE.

General: NEST SUSPECTED BUT NOT CONFIRMED IN 2002. NOT OBSERVED IN 2004. NEST MONITORED 9 JUN-12 AUG 2005; 1 FLEDGED.

Owner/Manager: UNKNOWN

Occurrence No. 1460 **Map Index:** 62356 **EO Index:** 62393

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-04
Site: 2005-08-04
Record Last Updated: 2005-08-22

Quad Summary: Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.33650º / -122.02236º
UTM: Zone-10 N4243603 E585441
Radius: 80 meters
Elevation: 235 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01W
Section: 30 **Qtr:** XX
Meridian: M

Location: NORTH SIDE OF CHERRY GLEN ROAD, BETWEEN PLEASANTS VALLEY ROAD AND THE I-80/PENA ADOBE INTERCHANGE, NORTH OF FAIRFIELD.

Location Detail: RESSEGUIE'S FAIRFIELD NORTH 1. 2004 NEST LOCATED AT THE 90% HEIGHT, ON THE NORTH SIDE OF THE NEST TREE, A HUGE BLUE GUM FOUND WITHIN A ROW OF TREES ALONG A DITCH ON THE NORTH SIDE OF THE ROAD.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY LARGE CULTIVATED FIELDS TO THE NORTH AND SOUTH.

General: ADULT AND FLEDGLINGS OBSERVED AT THIS SITE TOO LATE IN 2003 TO INFER NESTING. NEST MONITORED 5 APR-1 AUG 2004; 1 FLEDGED. NEST MONITORED 19 APR-4 AUG 2005; 2 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1468 **Map Index:** 62459 **EO Index:** 62496

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-24
Site: 2005-08-24
Record Last Updated: 2005-09-01

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.42320º / -121.78602º
UTM: Zone-10 N4253469 E605970
Radius: 80 meters
Elevation: 45 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 29 **Qtr:** SW
Meridian: M

Location: WEST SIDE OF ROBBEN ROAD, 0.5 MILE NORTH OF MIDWAY ROAD, 2.5 MILES SE OF DIXON

Location Detail: NEST LOCATED AT THE 90% HEIGHT OF THE NEST TREE; NEST TREE LOCATED ON THE SOUTH EDGE OF THE FARMSTEAD, WEST OF THE PINE AT THE SW CORNER.

Ecological: NEST TREE IS AN ARIZONA CYPRESS; SURROUNDED BY ALFALFA TO THE WEST AND NE, AND CULTIVATED LAND TO THE EAST.

General: NEST MONITORED 12 APR-24 AUG 2005; INCUBATION OBSERVED, BUT NO CHICK DETECTED.

Owner/Manager: PVT

Occurrence No. 1469 **Map Index:** 62460 **EO Index:** 62497

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-21
Site: 2005-08-21
Record Last Updated: 2005-09-01

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.41928º / -121.75615º
UTM: Zone-10 N4253069 E608583
Radius: 80 meters
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 28 **Qtr:** SE
Meridian: M

Location: 0.2 MILE NORTH OF MIDWAY ROAD, 0.4 MILE WEST OF SIKES ROAD, 4 MILES SE OF DIXON

Location Detail: NEST LOCATED AT THE 50% HEIGHT OF THE NORTHMOST SHRUBBY TREE.

Ecological: NEST TREE IS A WILLOW; SURROUNDED BY ALFALFA IN ALL DIRECTIONS.

General: NEST MONITORED 23 APR-21 AUG 2005; ADULT(?) OBSERVED ON NEST ON 21JUN 2005.

Owner/Manager: PVT

Occurrence No. 1470 **Map Index:** 62461 **EO Index:** 62498

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-21
Site: 2005-08-21
Record Last Updated: 2005-09-01

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.46829º / -121.79077º
UTM: Zone-10 N4258467 E605489
Radius: 80 meters
Elevation: 55 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 07 **Qtr:** NE
Meridian: M

Location: NORTH OF SIDE OF VAUGHN ROAD, 0.7 MILE EAST OF PEDRICK ROAD AND 0.3 MILE WEST OF ROBBEN ROAD, 2.2 MILES NE OF DIXON

Location Detail: NEST LOCATED AT THE 85% HEIGHT OF THE NORTHMOST BLUE GUM WEST OF THE FARMSTEAD.

Ecological: NEST TREE IS A BLUE GUM EUCALYPTUS; SURROUNDED BY CULTIVATED LAND IN ALL DIRECTIONS. THIS FARMSTEAD CONTAINS MANY TREES.

General: NEST MONITORED 21 JUN-21 AUG 2005; 1 FLEDGED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1471 **Map Index:** 62462 **EO Index:** 62499
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-22
Site: 2005-08-22
Record Last Updated: 2005-09-01

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.40217º / -121.84550º
UTM: Zone-10 N4251069 E600806
Radius: 80 meters
Elevation: 55 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 03 **Qtr:** NE
Meridian: M

Location: SOUTH OF SHOULDER OF WEBBER ROAD, 0.2 MILE WEST OF PITT SCHOOL ROAD, 3 MILES SSW OF DIXON
Location Detail: NEST LOCATED IN AN OSAGE ORANGE AT THE NW CORNER OF THE FARMSTEAD.
Ecological: NEST TREE IS AN OSAGE ORANGE; SURROUNDED BY CULTIVATED LAND IN ALL DIRECTIONS. THIS FARMSTEAD CONTAINS MANY TREES.
General: NEST MONITORED 18 JUL-22 AUG 2005; ADULTS DEFNDED THE NEST SITE, BUT NO CHICK WAS DETECTED.
Owner/Manager: PVT

Occurrence No. 1472 **Map Index:** 62463 **EO Index:** 62500
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-19
Site: 2005-08-19
Record Last Updated: 2005-09-01

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.41585º / -121.73031º
UTM: Zone-10 N4252719 E610844
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 35 **Qtr:** NW
Meridian: M

Location: NORTH SIDE OF MIDWAY ROAD, 0.5 MILE WEST OF BULKLEY ROAD, 5.3 MILES SE OF DIXON
Ecological: NEST TREE IS UNKNOWN; SURROUNDED BY TREES AND BUILDINGS TO THE NORTH AND MANY SUITABLE TREES TO THE SOUTH
General: SUSPECTED AS A NEST SITE IN 2001, BUT NOT CONFIRMED. UNOCCUPIED IN 2002. NEST SITE MONITORED 23 APR-19 AUG 2005; 1 CHICK FLEDGED, BUT NEST WAS NOT VISIBLE.
Owner/Manager: PVT

Occurrence No. 1473 **Map Index:** 62465 **EO Index:** 62502
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-29
Site: 2005-07-29
Record Last Updated: 2005-09-01

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.43591º / -121.74814º
UTM: Zone-10 N4254924 E609257
Radius: 80 meters
Elevation: 40 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 22 **Qtr:** SW
Meridian: M

Location: EAST SIDE OF SIKES ROAD, 0.3 MILE NORTH OF MILLER ROAD, 4 MILES ESE OF DIXON
Ecological: NEST TREE IS UNKNOWN; SURROUNDED BY ALFALFA TO THE WEST, PASTURE TO THE SOUTH AND EAST, AND ANOTHER FARMSTEAD TO THE NORTH.
General: NEST SITE MONITORED 23 APR-29 JUL 2005; ADULTS DEFENDED THE AREA, BUT NO NEST OR CHICK EVER OBSERVED.
Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G5	**CDFG Status:**
State: Threatened	**State:** S2	

Habitat Associations

General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH

Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1474 **Map Index:** 62466 **EO Index:** 62503

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-21
Site: 2005-08-21
Record Last Updated: 2005-09-01

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.49505º / -121.69942º
UTM: Zone-10 N4261546 E613417
Radius: 80 meters
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 02E
Section: 36 **Qtr:** NE
Meridian: M

Location: NORTH SHOULDER OF TREMONT ROAD, 0.3 MILE NORTH OF MILLER ROAD, 4 MILES SE OF DAVIS

Location Detail: NEST LOCATED AT THE 90% HEIGHT OF THE WESTMOST SMALL, MUTILATED BLACK WALNUT.

Ecological: NEST TREE IS A BLACK WALNUT; SURROUNDED BY CULTIVATED LAND TO THE SOUTH AND RUDERAL TO THE NORTH.

General: NEST MONITORED 19 JUN-21 AUG 2005; ADULT SEEN ON NEST 20 JUN 2005, BUT NO CHICK DETECTED.

Owner/Manager: UNKNOWN

Occurrence No. 1477 **Map Index:** 62530 **EO Index:** 62567

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-05-13
Site: 2005-07-13
Record Last Updated: 2005-09-12

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.32209º / -121.78627º
UTM: Zone-10 N4242250 E606095
Radius: 80 meters
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 32 **Qtr:** SW
Meridian: M

Location: EAST SIDE OF ROBBEN ROAD, 0.5 MILE SOUTH OF MAINE PRAIRIE ROAD, 8.5 MILES SOUTH OF DIXON

Location Detail: 2005 NEST WAS LOCATED AT THE 90% HEIGHT OF THE NEST TREE.

Ecological: NEST TREE IS A EUCALYPTUS; SURROUNDED BY PASTURE TO THE NW, SUDAN GRASS TO THE SW, RUDERAL TO THE SE, AND ALFALFA TO THE NE.

General: NEST SITE MONITORED 19 MAR-13 JUL 2004; ADULTS OBSERVED DEFENDING TREE, BUT NO NEST FOUND. NEST MONITORED 13 MAY-16 JUL 2005; NEST, BUT NO CHICK, OBSERVED. GHOW OCCUPIED THIS SITE AFTER LATE MAY 2005.

Owner/Manager: PVT

Occurrence No. 1480 **Map Index:** 62572 **EO Index:** 62609

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-09-11
Site: 2005-09-11
Record Last Updated: 2005-09-13

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.49618º / -121.82418º
UTM: Zone-10 N4261524 E602535
Radius: 80 meters
Elevation: 70 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 01E
Section: 35 **Qtr:** XX
Meridian: M

Location: WEST SIDE OF CURREY ROAD, 0.5 MILE NORTH OF SIEVERS ROAD, 3 MILES NORTH OF DIXON

Location Detail: 2005 NEST WAS LOCATED AT THE 85% HEIGHT OF THE SECOND LARGE LIVE BLUE GUM WEST OF CURREY ROAD, ON THE SOUTH SHOULDER OF THE ROAD LEADING TO CURREY RANCH.

Ecological: NEST TREE IS A BLUE GUM (EUCALYPTUS); SURROUNDED BY ALFALFA TO THE NORTH AND SOUTH.

General: RTHA NESTED AT THIS SITE IN 2001. SWHA NESTING SUSPECTED, BUT NOT CONFIRMED, IN 2002 AND 2004. NEST MONITORED 25 APR-11 SEP 2005; INCUBATION, BUT NO CHICK DETECTED.

Owner/Manager: PVT

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1481 **Map Index:** 62576 **EO Index:** 62613
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-16
Site: 2005-08-16
Record Last Updated: 2006-04-24

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.43848º / -121.82374º
UTM: Zone-10 N4255123 E602655
Area: 10.3 acres
Elevation: 55 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 01E
Section: 23 **Qtr:** SE
Meridian: M

Location: WEST SIDE OF HIGHWAY 113, NEAR THE NORTH ENTRANCE TO SILVEYVILLE CEMETERY, SOUTH EDGE OF DIXON

Location Detail: NO 2000 OR 2001 NEST FOUND, BUT ACTIVITY CENTERED AROUND THE TALLEST CONIFER JUST NORTH OF THE NORTH ENTRANCE; NEST OBSERVATION IS DIFFICULT IN THESE DENSE, TALL TREES. 2005 ACTIVITY CENTERED AROUND 2 PINES IN THE NORTH PART OF THE CEMETERY

Ecological: NEST TREE WAS A PINE; SURROUNDED BY A CEMETERY TO THE SW.

General: 1 FLEDGED IN 2000; LOTS OF ADULT ACTIVITY, BUT NO NEST FOUND. SITE WAS ACTIVE IN 2001, 2002, 2004, AND 2005; BUT, NO NEST/CHICK SEEN.

Owner/Manager: PVT

Occurrence No. 1686 **Map Index:** 69243 **EO Index:** 70023
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2007-05-11
Site: 2007-05-11
Record Last Updated: 2007-05-14

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.35657º / -121.95578º
UTM: Zone-10 N4245894 E591234
Radius: 1/10 mile
Elevation: 115 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01W
Section: 22 **Qtr:** XX
Meridian: M

Location: ALONG ULATIS CREEK, JUST SW OF ULATIS DRIVE, VACAVILLE.

Ecological: NEST TREE IS A TALL EUCALYPTUS (THE SECOND ONE WEST OF ULATIS DRIVE); NEST IS LOCATED NEAR THE TOP. NEST TREE IS LOCATED WITHIN A NARROW RIPARIAN STRIP, DOMINATED BY VALLEY OAK, FREMONT COTTONWOOD, BLUE ELDERBERRY, AND EUCALYPTUS.

Threat: THREATENED BY CONSTRUCTION DISTURBANCE AND BIKE PATH TRAFFIC.

General: 2 ADULTS OBSERVED NESTING ON 11 MAY 2007.

Owner/Manager: CITY OF VACAVILLE

Occurrence No. 1688 **Map Index:** 69595 **EO Index:** 70370
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-21
Site: 2005-08-21
Record Last Updated: 2007-06-27

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35800º / -121.82302º
UTM: Zone-10 N4246193 E602832
Radius: 80 meters
Elevation: 37 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 24 **Qtr:** NW
Meridian: M

Location: EAST SHOULDER OF HIGHWAY 113, JUST SOUTH OF THE HAWKINS ROAD JUNCTION, 6 MILES SOUTH OF DIXON.

Location Detail: 2005 NEST WAS LOCATED AT THE 90% HEIGHT OF THE SOUTHMOST (TALLER) TREE.

Ecological: NEST TREE WAS AN OSAGE ORANGE; SURROUNDED BY ALFALFA TO THE EAST, CULTIVATED LAND TO THE WEST, AND A RAGGED WALNUT ORCHARD TO THE NE.

General: SUSPECTED NEST SITE IN 2001, BUT NEVER CONFIRMED. NEST MONITORED 1 APR-21 AUG 2005; NEST ACTIVE, BUT NO CHICK EVER DETECTED.

Owner/Manager: PVT?

Buteo swainsoni

Swainson's hawk

Element Code: ABNKC19070

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G5
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: BREEDS IN GRASSLANDS WITH WITH SCATTERED TREES, JUNIPER-SAGE FLATS, RIPARIAN AREAS, SAVANNAHS, & AGRICULTURAL OR RANCH
Micro: REQUIRES ADJACENT SUITABLE FORAGING AREAS SUCH AS GRASSLANDS, OR ALFALFA OR GRAIN FIELDS SUPPORTING RODENT POPULATIONS.

Occurrence No. 1698 **Map Index:** 70109 **EO Index:** 70975
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-04-05
Site: 2001-04-05
Record Last Updated: 2007-10-03

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.44629º / -121.91337º
UTM: Zone-10 N4255893 E594822
Radius: 80 meters
Elevation: 101 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01E
Section: 18 **Qtr:** SW
Meridian: M

Location: BETWEEN SWEANY SLOUGH AND DIXON AVENUE WEST, 0.1 MILE EAST OF MERIDIAN ROAD, 4.5 MILES WEST OF DIXON.
Ecological: NEST TREE IS A WILLOW; SURROUNDED BY ROW CROPS IN ALL DIRECTIONS.
General: ACTIVE NEST OBSERVED ON 5 APR 2001; NO ACTIVITY OBSERVED WHEN THIS SITE WAS REVISITED ON 5 JUL 2001.
Owner/Manager: UNKNOWN

Occurrence No. 1699 **Map Index:** 70110 **EO Index:** 70976
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-04-05
Site: 2001-07-05
Record Last Updated: 2007-10-03

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.44781º / -121.91937º
UTM: Zone-10 N4256056 E594297
Radius: 80 meters
Elevation: 101 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01W
Section: 13 **Qtr:** SE
Meridian: M

Location: NORTH SIDE OF SWEANY SLOUGH, 0.2 MILE WEST OF THE JUNCTION OF DIXON AVENUE WEST AND MERIDIAN ROAD, 5 MILES WEST OF
Ecological: NEST TREE IS A COTTONWOOD; SURROUNDED BY ROW CROPS IN ALL DIRECTIONS.
General: ACTIVE NEST OBSERVED ON 5 APR 2001; NO ACTIVITY OBSERVED WHEN THIS SITE WAS REVISITED ON 5 JUL 2001.
Owner/Manager: UNKNOWN

Centromadia parryi ssp. parryi

pappose tarplant

Element Code: PDAST4R0P2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: COASTAL PRAIRIE, MEADOWS AND SEEPS, COASTAL SALT MARSH, VALLEY AND FOOTHILL GRASSLAND.
Micro: VERNALLY MESIC, OFTEN ALKALINE SITES. 2-420M.

Occurrence No. 2 **Map Index:** 56463 **EO Index:** 56479

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-09-26
Site: 1999-09-26
Record Last Updated: 2004-08-25

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22276º / -121.95206º
UTM: Zone-10 N4231050 E591728
Radius: 80 meters
Elevation: 10 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01W
Section: 03 **Qtr:** NE
Meridian: M

Location: ALONG W SIDE OF BRANSCOMB ROAD, 0.4 MILE S OF HIGHWAY 12, ABOUT 2.7 MILES SE OF FAIRFIELD.

Location Detail: ONE POLYGON MAPPED ON THE N 1/2 OF THE LINE DIVIDING SECTIONS 2 & 3. SE1/4 OF NE1/4 SECTION 3.

Ecological: IN SWALES, WITH LOLIUM MULTIFLORUM, HORDEUM MARINUM SSP. GUSSONEANUM, DISTICHLIS SPICATA, AND FRANKENIA SALINA.

General: UNKNOWN NUMBER OF PLANTS SEEN IN 1999.

Owner/Manager: UNKNOWN

Occurrence No. 3 **Map Index:** 56464 **EO Index:** 56480

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1998-10-11
Site: 1998-10-11
Record Last Updated: 2004-08-25

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28705º / -121.99281º
UTM: Zone-10 N4238145 E588083
Radius: 80 meters
Elevation: 60 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01W
Section: 17 **Qtr:** NE
Meridian: M

Location: 0.9 MILE SSE OF CEMENT HILL SUMMIT, APPROXIMATELY 2.5 MILES NW OF TRAVIS FIELD, E OF FAIRFIELD.

Location Detail: ONE POLYGON MAPPED ON THE E 1/2 OF THE LINE BETWEEN SECTIONS 8 & 17. IN NW1/4 OF NE1/4 SECTION 17.

Ecological: IN ALKALI GRASSLAND, WITH DISTICHLIS SPICATA, FRANKENIA SALINA, LEPIDIUM LATIFOLIUM AND CENTAUREA SOLSTITIALIS.

General: UNKNOWN NUMBER OF PLANTS SEEN IN 1998.

Owner/Manager: UNKNOWN

Occurrence No. 5 **Map Index:** 56466 **EO Index:** 56482

Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2007-XX-XX
Site: 2007-XX-XX
Record Last Updated: 2007-11-27

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23425º / -122.06256º
UTM: Zone-10 N4232222 E582042
Radius: 1/10 mile
Elevation: 20 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02W
Section: 35 **Qtr:** SW
Meridian: M

Location: APPROXIMATELY 1.4 MILES SW OF SUISUN CITY, N OF CORDELIA ROAD AND S OF HIGHWAY 12.

Location Detail: IN WEEDY GRASSLAND/RUDERAL AREA; ALONG ROADS. MAPPED ACCORDING TO THE LOCATION ON A BUXTON MAP. A 1907 WALKER COLLECTION FROM "SUISUN" AND A 1933 KECK COLLECTION FROM "1.6 MILES W OF SUISUN" ALSO ATTRIBUTED TO THIS SITE.

Ecological: DOMINANT SPECIES IN SPRING: LOLIUM MULTIFLORUM AND HORDEUM MARINUM. ASSOCIATED SPECIES: FOENICULUM VULGARE, CENTAUREA SOLSTITIALIS, LEPIDIUM LATIFOLIUM, SOME FRANKENIA SALINA. SITE IS FLAT; HABITAT MILDLY ALKALINE

Threat: GOAT-GRAZING, DISKING ALONG ROADS; URBAN DEVELOPMENT.

General: 1-2000 PLANTS SEEN IN 2005. REVISITED IN 2007- MOST OF POPULATION EXTIRPATED ACCORDING TO BUXTON. MAIN SOURCE OF INFORMATION IS A 2005 BUXTON FIELD SURVEY FORM. INCLUDES FORMER EO #4.

Owner/Manager: PVT-SHELDON OIL

Centromadia parryi ssp. parryi

pappose tarplant

Element Code: PDAST4R0P2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: COASTAL PRAIRIE, MEADOWS AND SEEPS, COASTAL SALT MARSH, VALLEY AND FOOTHILL GRASSLAND.
Micro: VERNALLY MESIC, OFTEN ALKALINE SITES. 2-420M.

Occurrence No. 6 **Map Index:** 56467 **EO Index:** 56483

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1998-09-26
Site: 1998-09-26
Record Last Updated: 2004-08-25

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.15350º / -122.11454º
UTM: Zone-10 N4223217 E577578
Radius: 80 meters
Elevation: 7 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 32 **Qtr:** NW
Meridian: M

Location: W SIDE OF LOPES ROAD (W OF HIGHWAY 680), ABOUT 4.2 MILES S OF CORDELIA, AND 2.0 MILES NW OF MORROW ISLAND.
Location Detail: MAPPED IN THE NW 1/4 OF THE NW 1/4 OF SECTION 32.
Ecological: IN SWALES AND LOW AREAS IN FIELD, WITH DISTICHLIS SPICATA, CRESSA TRUXILLENSIS, PICRIS ECHIOIDES, MALVELLA LEPROSA, LOLIUM MULTIFLORUM AND ATRIPLEX TRIANGULARIS.
General: UNKNOWN NUMBER OF PLANTS SEEN IN 1998.
Owner/Manager: UNKNOWN

Occurrence No. 7 **Map Index:** 56468 **EO Index:** 56484

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1998-09-26
Site: 1998-09-26
Record Last Updated: 2004-08-25

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.14135º / -122.11041º
UTM: Zone-10 N4221873 E577953
Radius: 80 meters
Elevation: 8 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 03N
Range: 02W
Section: 05 **Qtr:** NW
Meridian: M

Location: W SIDE OF LOPES ROAD (W OF HIGHWAY 680), 5.2 MILES S OF CORDELIA, AND APPROXIMATELY 1.5 MILES NW OF MORROW ISLAND.
Location Detail: MAPPED IN THE NE 1/4 OF THE NW 1/4 OF SECTION 5.
Ecological: IN SWALE, WITH PICRIS ECHIOIDES, LOLIUM MULTIFLORUM, LOTUS CORNICULATUS, PASPALUM DILATATUM, ATRIPLEX TRIANGULARIS, POLYPOGON MONSPELIENSIS, AND COTULA CORONOPIFOLIA.
General: UNKNOWN NUMBER OF PLANTS SEEN IN 1998.
Owner/Manager: UNKNOWN

Occurrence No. 8 **Map Index:** 09538 **EO Index:** 56485

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1933-10-28
Site: 1933-10-28
Record Last Updated: 2004-08-25

Quad Summary: Cordelia (3812222/482B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.21157º / -122.12692º
UTM: Zone-10 N4229650 E576433
Radius: 1 mile
Elevation: 20 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 7 **Qtr:** XX
Meridian: M

Location: CORDELIA.
Location Detail: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB, IN THE VICINITY OF CORDELIA, S OF CORDELIA JUNCTION.
General: UNKNOWN NUMBER OF PLANTS SEEN IN 1933. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

Centromadia parryi ssp. parryi

pappose tarplant

Element Code: PDAST4R0P2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: COASTAL PRAIRIE, MEADOWS AND SEEPS, COASTAL SALT MARSH, VALLEY AND FOOTHILL GRASSLAND.
Micro: VERNALLY MESIC, OFTEN ALKALINE SITES. 2-420M.

Occurrence No. 10 **Map Index:** 56471 **EO Index:** 56487

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1933-10-28
Site: 1933-10-28
Record Last Updated: 2004-08-25

Quad Summary: Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.27505º / -122.03416º
UTM: Zone-10 N4236774 E584480
Radius: 1 mile
Elevation: 140 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02W
Section: 13 **Qtr:** XX
Meridian: M

Location: 1.2 MILES N OF FAIRFIELD.

Location Detail: EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB, APPROXIMATELY 1.2 MILES N OF FAIRFIELD, IN THE VICINITY OF HIGHWAY 80.

General: TAXONOMIC IDENTIFICATION UNCERTAIN. HERBARIUM LABEL STATES THIS IS A "HYBRID POPULATION OF NUMEROUS COMBINATIONS". UNDATED COLLECTION BY KECK FROM "FAIRFIELD" ATTRIBUTED TO THIS SITE. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Occurrence No. 11 **Map Index:** 56472 **EO Index:** 56488

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1998-10-11
Site: 1998-10-11
Record Last Updated: 2004-08-25

Quad Summary: Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.27999º / -122.00686º
UTM: Zone-10 N4237347 E586862
Radius: 80 meters
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01W
Section: 17 **Qtr:** SW
Meridian: M

Location: ALONG CEMENT HILL ROAD, 1.4 MILES SSW OF CEMENT HILL SUMMIT, NE OF FAIRFIELD.

Location Detail: MAPPED IN THE NW 1/4 OF THE SW 1/4 OF SECTION 17.

Ecological: IN SWALE, WITH LOLIUM MULTIFLORUM, POLYPOGON MONSPELIENSIS, HELIOTROPIUM CURASSAVICUM, CRESSA TRUXILLENSIS, RUMEX CRISPUS AND RUMEX PULCHER.

General: UNKNOWN NUMBER OF PLANTS SEEN IN 1998.

Owner/Manager: UNKNOWN

Occurrence No. 22 **Map Index:** 70511 **EO Index:** 71416

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-09-05
Site: 2004-09-05
Record Last Updated: 2007-11-26

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.16213º / -121.84717º
UTM: Zone-10 N4224432 E600993
Area:
Elevation: 150 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01E
Section: 27 **Qtr:** E
Meridian: M

Location: CA. 2.6 MILES NE OF BIRD'S LANDING, ALONG OLSEN ROAD.

Location Detail: EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS ALONG OLSEN RD IN E1/2 SEC 27.

Ecological: IN SWALE. ASSOCIATED SPECIES: LOLIUM MULTIFLORUM, HEMIZONIA CONGESTA SSP. LUZULIFOLIA, PICRIS ECHIOIDES, GRINDELIA CAMPORUM.

Owner/Manager: UNKNOWN

Centromadia parryi ssp. parryi

pappose tarplant

Element Code: PDAST4R0P2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: COASTAL PRAIRIE, MEADOWS AND SEEPS, COASTAL SALT MARSH, VALLEY AND FOOTHILL GRASSLAND.
Micro: VERNALLY MESIC, OFTEN ALKALINE SITES. 2-420M.

Occurrence No. 23 **Map Index:** 41001 **EO Index:** 71417

Dates Last Seen
Element: 2005-05-24
Site: 2005-05-24
Record Last Updated: 2007-12-03

*** SENSITIVE ***

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

*** SENSITIVE ***

Lat/Long:
UTM:
Radius:
Elevation:
Mapping Precision:
Symbol Type:
Township:
Range:
Section:
Qtr:
Meridian:

Location: *SENSITIVE* Location information suppressed.

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

Ecological: IN VERNAL SWALE WITH LOLIUM MULTIFLORUM, BRODIAEA ELEGANS, ERYNGIUM ARISTULATUM, CICENDIA QUADRANGULARIS, JUNCUS BUFONIUS. RARE PLANT, PLAGIOBOTHRYS HYSTRICULUS, ALSO AT THIS SITE.

Threat: ELECTRIC TRANSMISSION LINES, DISKED FIRE BREAK, PROPOSED GAS PIPELINE.

Owner/Manager:

Occurrence No. 24 **Map Index:** 70513 **EO Index:** 71418

Dates Last Seen
Element: 2006-07-27
Site: 2006-07-27
Record Last Updated: 2007-11-26

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22500º / -121.90551º
UTM: Zone-10 N4231346 E595800
Radius: 80 meters
Elevation: 8 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 01E
Section: 06
Qtr: NE
Meridian: M

Location: 0.2 MILE W OF DENVERTON ROAD ON AN UNNAMED ROAD S OF HIGHWAY 12 AND N OF DENVERTON SLOUGH.

Location Detail: MAPPED ACCORDING TO COORDINATE INFORMATION PROVIDED BY GERWEIN IN NW1/4 OF NE1/4 SEC 6.

Ecological: IN MESIC ALKALI GRASSLAND ON THE MARGINS OF VERNAL POOLS. ASSOCIATES INCLUDE POLYPOGON MONSPELIENSIS, LOLIUM MULTIFLORUM, FRANKENIA SALINA, RUMEX CRISPUS, AND ERYNGIUM ARISTULATUM VAR. ARISTULATUM. SOIL IS ALVISO SILTY CLAY LOAM. SLOPE <2%.

General: 110 PLANTS SEEN IN 2006. ABOUT 10 INDIVIDUALS ARE ON A CALIFORNIA CONSERVATION FOUNDATION PROPERTY. MAJORITY OF PLANTS (~100) ARE ON ADJACENT PRIVATELY OWNED LAND NORTH OF PROPERTY.

Owner/Manager: PVT

Occurrence No. 25 **Map Index:** 70515 **EO Index:** 71419

Dates Last Seen
Element: 2005-11-30
Site: 2005-11-30
Record Last Updated: 2007-11-26

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.16761º / -121.91268º
UTM: Zone-10 N4224971 E595246
Area: 10.0 acres
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01E
Section: 30
Qtr: NW
Meridian: M

Location: N SLOPE OF KIRBY HILL.

Location Detail: MAPPED ACCORDING TO THE LOCATION ON A PRESTON MAP ALONG DIRT ROAD IN NW1/4 SEC 30.

Ecological: LOWER SLOPE AND DEPRESSIONS, CLAY SOIL, WITH PICRIS ECHIOIDES, RUMEX PULCHER, LOTUS CORNICULATUS, POLYPOGON MONSPELIENSIS, ERYNGIUM ARISTULATUM, LYTHRUM HYSSOPIFOLIUM.

General: 50-60,000 PLANTS SEEN IN 2005.

Owner/Manager: PVT

Centromadia parryi ssp. parryi

pappose tarplant

Element Code: PDAST4R0P2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: COASTAL PRAIRIE, MEADOWS AND SEEPS, COASTAL SALT MARSH, VALLEY AND FOOTHILL GRASSLAND.
Micro: VERNALLY MESIC, OFTEN ALKALINE SITES. 2-420M.

Occurrence No. 26 **Map Index:** 24764 **EO Index:** 71421

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-04-25
Site: 2006-04-25
Record Last Updated: 2007-12-03

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22661º / -121.97093º
UTM: Zone-10 N4231458 E590071
Area: 5.4 acres
Elevation: 10 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 04N
Range: 01W
Section: 04 **Qtr:** NE
Meridian: M

Location: SW OF SCALLEY ROAD/KILLDEER ROAD INTERSECTION, SW OF TRAVIS AIR FORCE BASE.

Location Detail: MAPPED ACCORDING TO LOCATION ON BUXTON MAP IN NE1/4 OF NE1/4 SEC 4.

Ecological: MESIC, ALKALINE GRASSLAND AT EDGE OF VERNAL POOL. DOMINANTS: HORDEUM MARINUM SSP. GUSSONEANUM, COTULA CORONOPIFOLIA, LASTHENIA CALIFORNICA; IN FLAT TERRAIN. GRASSLAND BURNED IN 2003.

Threat: NON-NATIVE GRASSES, COTULA CORONOPIFOLIA; CATTLE TRAMPLING.

General: ONLY SOURCE OF INFORMATION IS A 2006 BUXTON FIELD SURVEY FORM FOR ASTRAGALUS TENER VAR. TENER IN WHICH C. PARRYI SSP. PARRYI IS MENTIONED AS AN ASSOCIATE.

Owner/Manager: PVT-SOLANO LANDFILL

Charadrius montanus

mountain plover

Element Code: ABNNB03100

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2?

Other Lists
CDFG Status: SC

Habitat Associations
General: SHORT GRASSLANDS, FRESHLY PLOWED FIELDS, NEWLY SPROUTING GRAIN FIELDS, & SOMETIMES SOD FARMS
Micro: SHORT VEGETATION, BARE GROUND & FLAT TOPOGRAPHY. PREFERS GRAZED AREAS & AREAS WITH BURROWING RODENTS.

Occurrence No. 5 **Map Index:** 40906 **EO Index:** 40906

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-03-16
Site: 1992-XX-XX
Record Last Updated: 1999-02-25

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.24267º / -121.83094º
UTM: Zone-10 N4233386 E602302
Radius: 2/5 mile
Elevation: 25 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 26 **Qtr:** SE
Meridian: M

Location: NORTH AND SOUTH OF CREED ROAD, BETWEEN GOOSEHAVEN ROAD AND HIGHWAY 113, SOUTH OF DOZIER

Ecological: HABITAT CONSISTS OF GRAZED ANNUAL GRASSLAND.

General: ABOUT 36 BIRDS OBSERVED ON 11 MAR 1991. 120 BIRDS OBSERVED ON 16 MAR 1991. SITE CHECKED IN 1992, BUT GRASS WAS TOO LONG (IF PRESENT, BIRDS NOT VISIBLE).

Owner/Manager: PVT

Occurrence No. 10 **Map Index:** 48593 **EO Index:** 48593

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2007-11-02
Site: 2007-11-02
Record Last Updated: 2007-11-07

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.21442º / -121.75762º
UTM: Zone-10 N4230335 E608761
Area:
Elevation: 30 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02E
Section: 04 **Qtr:** SE
Meridian: M

Location: JUST NE OF THE CORNER OF ROBINSON ROAD AND FLANNERY ROAD, 6.2 MILES EAST OF RIO VISTA.

Location Detail: THIS SITE HAS BEEN A TRADIONAL WINTERING SITE FOR A NUMBER OF YEARS.

Ecological: HABITAT CONSISTS OF GRAZED ANNUAL GRASSLAND; SURROUNDING LAND COMPRISED OF AGRICULTURAL CROPLAND, ANNUAL GRASSLAND, AND PASTURE.

Threat: THREAT CONSISTS OF CONVERSION OF LAND TO AGRICULTURAL PRACTICES SUCH AS VINEYARDS.

General: 143 INDIVIDUALS OBSERVED ON 18 FEB 2001. ~50 OBSERVED ON 23 NOV; 40 OBSERVED ON 10 DEC 2005. ~130 OBSERVED ON 10 MAR 2006. 60+ BIRDS OBSERVED ON 1 NOV; 200+ BIRDS OBSERVED ON 2 NOV 2007.

Owner/Manager: UNKNOWN

Occurrence No. 11 **Map Index:** 48594 **EO Index:** 48594

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-01-06
Site: 2004-01-06
Record Last Updated: 2004-02-02

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.22167º / -121.77132º
UTM: Zone-10 N4231123 E607551
Area:
Elevation: 30 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02E
Section: 05 **Qtr:** NE
Meridian: M

Location: 5.7 MILES ENE OF RIO VISTA; 0.6 MILES WNW OF THE INTERSECTION OF ROBINSON ROAD AND FLANNERY ROAD.

Location Detail: THIS AREA IS A TRADITIONAL WINTERING SITE: SE 1/4 OF THE NE 1/4 OF SECTION 5; 1/6/2004 DIRECTIONS ARE 3.3 MILES DOWN ROBINSON ROAD FROM HWY 113; 11/22/2002 SIGHTED AT 3.5 MILES EAST OF ROBINSON RD AND HWY 113.

Ecological: HABITAT CONSISTS OF ANNUAL GRASSLAND GRAZED BY SHEEP. SURROUNDING LAND COMPRISED OF PASTURE, GRASSLAND AND ROW CROPS.

Threat: THREAT CONSISTS OF CONVERSION OF LAND TO UNSUITABLE AGRICULTURAL PRACTICES SUCH AS VINEYARDS.

General: 2001/2002: 210-300 BIRDS OBS DURING 2001/2002 WINTER (PERS. COMM. ROBIN LEONG) - 95 ADULTS OBS ON 19 NOV 2001. 2002/2003: 35+ OBS 11/22/2002; 272 OBS 11/23/2002. 2003/2004: TUE 12/2/2003 200+ BIRDS OBS, TUES 1/6/2004 - 6 BIRDS SIGHTED.

Owner/Manager:

Charadrius montanus

mountain plover

Element Code: ABNNB03100

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2?

Other Lists
CDFG Status: SC

Habitat Associations
General: SHORT GRASSLANDS, FRESHLY PLOWED FIELDS, NEWLY SPROUTING GRAIN FIELDS, & SOMETIMES SOD FARMS
Micro: SHORT VEGETATION, BARE GROUND & FLAT TOPOGRAPHY. PREFERS GRAZED AREAS & AREAS WITH BURROWING RODENTS.

UNKNOWN

Occurrence No. 27 **Map Index:** 54127 **EO Index:** 54127

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Stable

Dates Last Seen
Element: 2003-11-22
Site: 2003-11-22
Record Last Updated: 2004-01-28

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.21012º / -121.77903º
UTM: Zone-10 N4229833 E606893
Area:
Elevation: 65 ft

Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON

Township: 04N
Range: 02E
Section: 08 **Qtr:** N
Meridian: M

Location: SOUTH SIDE OF FLANNERY ROAD, 1.0 MILE WEST OF THE INTERSECTION OF FLANNERY ROAD AND ROBINSON ROAD., SOUTH OF DIXON.

Location Detail: THIS SITE IS A TRADITIONAL WINTERING AREA, WITH LARGE NUMBERS OF BIRDS REPORTED IN THIS AREA ANNUALLY SINCE WINTER 1999/2000.

Ecological: LARGE PLOWED FIELD WITH A GENTLY SLOPING TERRAIN, SURROUNDING LAND IS GRAZED PASTURE MIXED WITH A FEW ROW CROP

Threat: THREATENED BY URBAN DEVELOPMENT, AS RIO VISTA AND DIXON CONTINUE TO EXPAND.

General: 209 BIRDS WERE COUNTED ON 23 NOV 2003; 400 TOTAL BIRDS WERE ESTIMATED ON THE FIELD.

Owner/Manager: UNKNOWN

Circus cyaneus

northern harrier

Element Code: ABNKC11010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5
State: S3

Other Lists
CDFG Status: SC

Habitat Associations
General: COASTAL SALT & FRESH-WATER MARSH. NEST & FORAGE IN GRASSLANDS, FROM SALT GRASS IN DESERT SINK TO MOUNTAIN CIENAGAS.
Micro: NESTS ON GROUND IN SHRUBBY VEGETATION, USUALLY AT MARSH EDGE; NEST BUILT OF A LARGE MOUND OF STICKS IN WET AREAS.

Occurrence No. 31 **Map Index:** 61103 **EO Index:** 61139
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-30
Site: 2004-06-30
Record Last Updated: 2005-04-25

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19992º / -122.02763º
UTM: Zone-10 N4228444 E585139
Radius: 80 meters
Elevation: 5 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 04N
Range: 02W
Section: 12 **Qtr:** NE
Meridian: M

Location: EAST OF FIRST MALLARD BRANCH, WEST OF SUISUN SLOUGH, 3 MILES SSE OF FAIRFIELD
Ecological: HABITAT CONSISTS OF COASTAL BRACKISH MARSH, DOMINATED BY SALICORNIA VIRGINICA, SCIRPUS SPP, AND TYPHA SPP.
General: PAIR OBSERVED NESTING, 1 MAR-30 JUN 2004.
Owner/Manager: UNKNOWN

Cirsium hydrophilum var. hydrophilum

Suisun thistle

Element Code: PDAST2E1G1

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G1T1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: SALT MARSH.
Micro: GROWS WITH SCIRPUS, DISTICHLIS NEAR SMALL WATERCOURSES WITHIN SALTMARSH. 0-1M.

Occurrence No. 1 **Map Index:** 09764 **EO Index:** 17092

Dates Last Seen
Element: 1994-XX-XX
Site: 1994-XX-XX
Record Last Updated: 2007-12-19

*** SENSITIVE ***
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

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

Location: *SENSITIVE* Location information suppressed.

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

Ecological: IN WET PEATY SOIL WITH POTENTILLA, OENANTHE, TRIGLOCHIN, AND JUNCUS. 1975 REPORT BY SOIL CONSERVATION SERVICE (MILLER, MILLER, COHEN, AND SCHULTZE) NOTES SP. GROWING WITHIN MANAGED (LEVEED) AREAS OF 1 OR MORE DUCK CLUBS IN SUISUN MARSH.

Owner/Manager:

Occurrence No. 4 **Map Index:** 22768 **EO Index:** 8054

Dates Last Seen
Element: 2003-07-08
Site: 2003-07-08
Record Last Updated: 2007-12-19

*** SENSITIVE ***
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

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

Location: *SENSITIVE* Location information suppressed.

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

Ecological: DENSE SALTMARSH VEGETATION WITH DISTICHLIS, SCIRPUS, SONCHUS. OTHER PLANTS NEARBY INCLUDE SALICORNIA, FRANKENIA, LEPIDIUM, AND JUNCUS.

Threat: C. VULGARE ALSO HERE (DO THEY INTERGRADE?). FERAL PIGS AND INVASION BY LEPIDIUM ARE HUGE THREATS.

Owner/Manager:

Occurrence No. 5 **Map Index:** 24856 **EO Index:** 6761

Dates Last Seen
Element: 2000-09-06
Site: 2000-09-06
Record Last Updated: 2007-12-19

*** SENSITIVE ***
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Fairfield South (3812221/482A), Denverton (3812128/481B)
County Summary: Solano

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

Location: *SENSITIVE* Location information suppressed.

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

Ecological: HIGH BRACKISH SALT MARSH WITH TYPHA LATIFOLIA, SALICORNIA VIRGINICA, DISTICHLIS SPICATA, AND SCIRPUS SP. NEAR ANOTHER RARE PLANT: CORDYLANTHUS MOLLIS MOLLIS.

Owner/Manager:

Coastal Brackish Marsh

Element Code: CTT52200CA

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.1

Other Lists

Habitat Associations
General:
Micro:

Occurrence No. 4 **Map Index:** 09823 **EO Index:** 16106

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1977-06-XX
Site: 1977-06-XX
Record Last Updated: 1998-07-16

Quad Summary: Fairfield South (3812221/482A), Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22211º / -122.03661º
UTM: Zone-10 N4230898 E584327
Area: 1,578.1 acres
Elevation:
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02W
Section: 01 **Qtr:** SE
Meridian: M

Location: DEADMAN ISL, CONFLUENCE OF SUISUN & HILL SLOUGHS.
Ecological: UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
General: CONTAINS DFG ECO RESERVE AND WITHIN PROTECTED AREA.
Owner/Manager: UNKNOWN

Occurrence No. 5 **Map Index:** 09881 **EO Index:** 16103

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1977-06-XX
Site: 1977-06-XX
Record Last Updated: 1998-07-16

Quad Summary: Denverton (3812128/481B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.18026º / -121.95446º
UTM: Zone-10 N4226332 E591571
Area: 5,092.1 acres
Elevation:
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 18 **Qtr:** SE
Meridian: M

Location: AROUND JOICE ISL IN SUISUN MARSH.
Location Detail: EXTENSIVE ISLAND STANDS & FRINGES OF CHANNELS.
Ecological: UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.
Threat: SURROUNDED BY DUCK CLUBS AND AGRICULTURE.
Owner/Manager: DFG

Occurrence No. 6 **Map Index:** 09989 **EO Index:** 16107

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1977-06-XX
Site: 1977-06-XX
Record Last Updated: 1998-07-16

Quad Summary: Honker Bay (3812118/481C), Denverton (3812128/481B), Vine Hill (3812211/482D), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.11017º / -121.98551º
UTM: Zone-10 N4218524 E588937
Area: 3,093.8 acres
Elevation:
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 03N
Range: 01W
Section: 16 **Qtr:** XX
Meridian: M

Location: SIMMONS ISL NEAR GRIZZLY BAY.
Location Detail: FRINGES & POCKETS ALONG ISL & BAY SHORE.
Ecological: UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO
Owner/Manager: UNKNOWN

Coastal Brackish Marsh

Element Code: CTT52200CA

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.1

Other Lists

Habitat Associations
General:
Micro:

Occurrence No. 16 **Map Index:** 09695 **EO Index:** 12510

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1986-08-06
Site: 1986-08-06
Record Last Updated: 1998-07-16

Quad Summary: Fairfield South (3812221/482A), Benicia (3812212/482C), Vine Hill (3812211/482D)
County Summary: Solano

Lat/Long: 38.11527º / -122.06601º
UTM: Zone-10 N4219016 E581874
Area: 981.8 acres
Elevation:

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 03N
Range: 02W
Section: 10 **Qtr:** XX
Meridian: M

Location: E EDGE MORROW ISL, W EDGE OF SOUTHERN PART OF JOICE ISL, SUISUN BAY.
Location Detail: FRINGE OF ISL AND SLOUGH.
Ecological: TAXA PRESENT INCL SCIRPUS CERNUUS, TRIGLOCHIN STRICTA, JUNCUS SP, LILAEOPSIS MASONII. ON REYES SALTY CLAY.
General: PORTION 1/4 MI N OF JOICE ISL CLUB HOUSE SEEN 1986. PROPERTY OWNED BY HUNT CLUB. THIS WAS OCC #016 OF CTT52200CA
Owner/Manager: PVT

Coastal and Valley Freshwater Marsh

Element Code: CTT52410CA

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S2.1

Other Lists

Habitat Associations
General:
Micro:

Occurrence No. 54 **Map Index:** 20407 **EO Index:** 9524

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1988-12-05
Site: 1988-12-05
Record Last Updated: 1998-07-20

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25450º / -121.79629º
UTM: Zone-10 N4234738 E605318
Area: 93.7 acres
Elevation: 10 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 02E
Section: 30 **Qtr:** XX
Meridian: M

Location: BOTH SIDES OF CALHOUN CUT EAST OF JEPSON PRAIRIE.

Location Detail: IN THE DRAINAGES OF THE CALHOUN CUT AND BARKER SLOUGHS.

Ecological: SCIRPUS DOMINATED MARSH WITH SOME SCATTERED OPEN WATER. NEEDS MORE SURVEYS FOR SPECIES COMPOSITION.

Threat: SURROUNDING AREA USED TO GRAZE SHEEP.

General: THIS WAS OCC #054 OF CTT52410CA.

Owner/Manager: UNKNOWN

Cordylanthus mollis ssp. hispidus

hispid bird's-beak

Element Code: PDSCR0J0D1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2T2
State: S2.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: MEADOWS, PLAYAS, VALLEY AND FOOTHILL GRASSLAND.
Micro: IN DAMP ALKALINE SOILS, ESPECIALLY IN ALKALINE MEADOWS AND ALKALI SINKS WITH DISTICHLIS. 10-155M.

Occurrence No. 13 **Map Index:** 10329 **EO Index:** 17844
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-07-20
Site: 1993-07-20
Record Last Updated: 1997-12-04

Quad Summary: Denverton (3812128/481B), Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.24695º / -121.88632º
UTM: Zone-10 N4233801 E597450
Area: 53.3 acres
Elevation: 30 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01E
Section: 29 **Qtr:** SE
Meridian: M

Location: 1.8 MILES WEST OF CREED STATION ON CREED ROAD, 1.5 NNE OF DENVERTON.

Location Detail: MAPPED ALONG MARGIN OF VERNAL MARSH WITHIN THE W 1/2 OF THE SE 1/4 OF SECTION 29.

Ecological: VERNALLY WET AREA IN ANNUAL GRASSLAND, ON PESCADERO CLAY ON MARGIN OF BRACKISH MARSH HABITAT. ASSOCIATED WITH DISTICHLIS STRICTA VAR. NANA AND LOTUS SP.

Threat: DUCK BLINDS IN AREA. DRAIN THROUGH POOL. HEAVY GRAZING DOES OCCUR.

General: >2000 PLANTS IN 1986. HEAVY GRAZING HAS REDUCED VEGETATION COVER IN MARSH BUT THE CORDYLANTHUS DOES NOT APPEAR TO BE NEGATIVELY IMPACTED. A FEW 100 SEEN IN 1988, UNKNOWN IN 1993. 1965 & 1967 COLLECTIONS ATTRIBUTED TO SITE.

Owner/Manager: PVT

Cordylanthus mollis ssp. mollis

soft bird's-beak

Element Code: PDSCR0J0D2

Status
Federal: Endangered
State: Rare

NDDB Element Ranks
Global: G2T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: COASTAL SALT MARSH.
Micro: IN COASTAL SALT MARSH WITH DISTICHLIS, SALICORNIA, FRANKENIA, ETC. 0-3M.

Occurrence No. 6 **Map Index:** 10004 **EO Index:** 8059

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 1986-08-08
Site: 2000-09-06
Record Last Updated: 2001-11-28

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.18889º / -121.97811º
UTM: Zone-10 N4227266 E589489
Radius: 80 meters
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 01W
Section: 16 **Qtr:** SE
Meridian: M

Location: SOUTHEAST OF FAIRFIELD ALONG MONTEZUMA SLOUGH. WEST OF GRIZZLY ISLAND BRIDGE AT BELDONS LANDING.

Ecological: FLAT SATURATED BOTTOM LANDS ASSOCIATED WITH SALICORNIA, DISTICHLIS AND GRINDELIA HUMILIS.

Threat: EXTENSIVE LITTER AND TRAILS FROM FISHING ALONG SLOUGH. AREA DISKED ALONG ROAD IN 1987.

General: OCCASIONAL COLONIES IN 1977, 1978 AND 1980 (MORE THAN 100 INDIVIDUALS). 500 PLANTS FOUND BY DAINS IN 1986; NEEDS MORE SEARCHING. ABOUT 10% OF AREA IS PLOWED. NO PLANTS FOUND IN 1987, 1992, 1993 OR 1994, OR 2000.

Owner/Manager: DFG-GRIZZLY ISLAND WA

Occurrence No. 16 **Map Index:** 22810 **EO Index:** 20379

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-XX-XX
Site: 2001-XX-XX
Record Last Updated: 2001-11-14

Quad Summary: Denverton (3812128/481B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19441º / -122.00025º
UTM: Zone-10 N4227857 E587544
Area: 53.5 acres
Elevation: 3 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 17 **Qtr:** NW
Meridian: M

Location: NORTH OF JOICE ISLAND, BETWEEN CUTOFF SLOUGH AND GRIZZLY ISLAND ROAD, SUISUN MARSH.

Location Detail: MAPPED SOUTH OF ROAD UP TO 0.5 MILE WEST OF JOICE ISLAND BRIDGE AND 0.2 MILE EAST OF BRIDGE. MAP DETAIL EXISTS AT CNDDB SHOWING POPULATION #'S WITHIN EACH CLUSTER OF PLANTS. IN NW1/4 SEC 17 AND NE1/4 SEC 18.

Ecological: IN NARROW BAND AT SALT MARSH-UPLAND ECOTONE WITH SALICORNIA VIRGINICA, ASTER SUBULATUS LIGULATUS, FRANKENIA SP., LOTUS CORNICULATUS, POLYPOGON MONSPELIENSIS, CUSCUTA SALINA, GRINDELIA HUMILIS, APIUM SP, SPERGULARIA MARINA, CRESSA, ET AL.

Threat: OCCASIONAL DISTURBANCE FROM PATROL VEHICLES. MOSQUITO ABATEMENT MAINTENANCE VEHICLES, FERAL PIGS, CATTLE, EXOTICS.

General: ABOUT 1000 PLANTS SEEN IN 1991, 1000 IN 1992, LESS THAN 7650 IN 1993, AT LEAST 5000 IN 1994, 150 IN 1999. 3076 PLANTS OBSERVED IN 2000 ALONG GRIZZLY ISLAND ROAD, NO PLANTS SEEN IN 2000 OR 2001 AT RUSH RANCH. INCLUDES FORMER OCC'S #12 & 20.

Owner/Manager: DFG-GRIZZLY ISLAND WA

Cordylanthus mollis ssp. mollis

soft bird's-beak

Element Code: PDSCR0J0D2

Status
Federal: Endangered
State: Rare

NDDB Element Ranks
Global: G2T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: COASTAL SALT MARSH.
Micro: IN COASTAL SALT MARSH WITH DISTICHLIS, SALICORNIA, FRANKENIA, ETC. 0-3M.

Occurrence No. 19 **Map Index:** 26282 **EO Index:** 20378
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-09-12
Site: 2000-09-12
Record Last Updated: 2001-11-28

Quad Summary: Fairfield South (3812221/482A), Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.23218º / -122.00456º
UTM: Zone-10 N4232045 E587121
Area: 86.0 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01W
Section: 32 **Qtr:** S
Meridian: M

Location: SUISUN MARSH; NORTH OF HILL SLOUGH, SOUTH OF LAWLER ESTATES RESIDENTIAL DEVELOPMENT. SOUTHEAST OF FAIRFIELD.

Location Detail: HILL SLOUGH EAST TIDAL MARSH. MANY PLANTS WITHIN WILDLIFE REFUGE.

Ecological: SALT MARSH WITH SALICORNIA VIRGINICA, DISTICHLIS SPICATA, CUSCUTA SALINA MAJOR, JAUMEA CARNOSA, POLYPOGON MONSPELIENSIS, SCIRPUS AMERICANUS, & ATRIPLEX TRIANGULARIS. ANOTHER RARE PLANT, LILAEOPSIS MASONII, IN NEARBY SLOUGHS.

Threat: SOME FOOT AND BICYCLE TRAFFIC. ALTERED FLOOD/TIDAL REGIME, AND GRAZING THREATEN. HEAVY SEED PREDATION AT THIS SITE.

General: `THOUSANDS' OF PLANTS IN 1992, TOTAL OF 141K PLANTS SEEN HERE AND OCCURRENCE #21 IN 1993, 151K IN 1999, 170K IN 2000. DETAILED POP'N NUMBERS AT CNDDB. MANY COLONIES OVER ABOUT 3.5 HECTARES. MOSQUITO ABATEMENT ACTIVITIES MAY ALSO THREATEN.

Owner/Manager: DFG-HILL SLOUGH WA, PVT

Occurrence No. 21 **Map Index:** 30275 **EO Index:** 6864
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Decreasing

Dates Last Seen
Element: 2002-XX-XX
Site: 2002-XX-XX
Record Last Updated: 2003-10-27

Quad Summary: Denverton (3812128/481B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.22244º / -121.98427º
UTM: Zone-10 N4230983 E588909
Area: 48.3 acres
Elevation: 4 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 04 **Qtr:** NW
Meridian: M

Location: SOUTH OF HILL SLOUGH, WEST OF EMMINGTON ROAD, SUISUN MARSH. "HILL SLOUGH EAST."

Location Detail: BETWEEN SE END OF HILL SLOUGH AND THE FOOT OF POTRERO HILLS, ALONG NORTH SIDE OF UNNAMED ROAD ON TOPO.

Ecological: WITH SALICORNIA VIRGINICA, DISTICHLIS SPICATA, CUSCUTA SALINA MAJOR, JAUMEA CARNOSA, POLYPOGON MONSPELIENSIS, SCIRPUS AMERICANUS, & ATRIPLEX TRIANGULARIS. ANOTHER RARE PLANT IN NEARBY SLOUGHS: LILAEOPSIS MASONII.

Threat: SOME FOOT, BICYCLE TRAFFIC, FISHING, EXOTICS, RESIDENTIAL ENCROACHMENT AND GRAZING. MAJOR HYDROLOGICAL CHANGES THREATEN.

General: AT LEAST 1000 PLANTS IN E PORTION OF SITE IN 1992, 141,000 PLANTS SEEN HERE AND AT OCCURRENCE #19 IN 1993, 2000+ IN 1999, AND 100,479 IN 2000. IN 2000, TRAMPLING BY CATTLE REDUCED POPULATION. SURVIVORSHIP, FECUNDITY VERY LOW IN 2002.

Owner/Manager: DFG-HILL SLOUGH WA, PVT

Cordylanthus mollis ssp. mollis

soft bird's-beak

Element Code: PDSCR0J0D2

Status
Federal: Endangered
State: Rare

NDDB Element Ranks
Global: G2T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: COASTAL SALT MARSH.
Micro: IN COASTAL SALT MARSH WITH DISTICHLIS, SALICORNIA, FRANKENIA, ETC. 0-3M.

Occurrence No. 22 **Map Index:** 30276 **EO Index:** 17182

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-08-15
Site: 1993-08-15
Record Last Updated: 1995-11-14

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19623º / -122.02674º
UTM: Zone-10 N4228035 E585222
Area: 4.3 acres
Elevation: 4 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 13 **Qtr:** XX
Meridian: M

Location: RUSH RANCH, GRIZZLY ISLAND. SOUTHEAST OF FIRST MALLARD BR, 0.85-1.0 MI W OF SECOND MALLARD BR.

Location Detail: MAPPED AS SPECIFIC POLYGON, PLANTS FOUND IN 2 CLUSTERS AT EACH END OF POLYGON.

Ecological: WITH SALICORNIA VIRGINICA, DISTICHLIS SPICATA, JAUMEA CARNOSA, CUSCUTA SALINA MAJOR. ANOTHER RARE PLANT NEARBY: CIRSIUM HYDROPHILUM HYDROPHILUM.

Threat: TRAMPLING BY GRAZING CATTLE. FENCES ERECTED TO LIMIT DAMAGE. EXTENSIVE FERAL PIG DAMAGE.

General: TOTAL OF 2013 PLANTS SEEN HERE AND AT OCCURRENCE #20 IN 1993. SITE OWNED (MANAGED?) BY THE SOLANO COUNTY OPEN SPACE AND FARMLAND FOUNDATION.

Owner/Manager: PVT

Occurrence No. 23 **Map Index:** 37483 **EO Index:** 32485

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-11

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22960º / -121.92264º
UTM: Zone-10 N4231838 E594295
Area: 4.3 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01W
Section: 36 **Qtr:** SE
Meridian: M

Location: SOUTH OF TRAVIS AFB, ALONG HIGHWAY 12 ABOUT 1.6 MILES EAST OF BRANSCOME ROAD, SUISUN MARSH.

Location Detail: TWO COLONIES ALONG EITHER SIDE OF HIGHWAY 12 NEAR POST MILE 11.

Ecological: BRACKISH VERNAL MARSH. ASSOCIATED WITH SALICORNIA, DISTICHLIS SPICATA, FRANKENIA, CENTAUREA SOLSTITIALIS, AND HORDEUM.

General: 3 PLANTS SOUTH OF HIGHWAY IN 1994, UNKNOWN NUMBER OF PLANTS MAPPED NORTH OF HIGHWAY IN 1999.

Owner/Manager: CALTRANS

Occurrence No. 25 **Map Index:** 43728 **EO Index:** 43728

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-11

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22520º / -121.93520º
UTM: Zone-10 N4231338 E593200
Area: 4.6 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 02 **Qtr:** NE
Meridian: M

Location: NORTH OF LUCO HILL AT NORTHWEST END OF LUCO SLOUGH, ABOUT 0.9 MILE ESE OF BRANSCOME RD AT HWY 12, SUISUN MARSH.

Location Detail: 3 COLONIES MAPPED AT NORTH END OF SLOUGH ABOUT 0.15 MILE SOUTH OF HIGHWAY 12. WITHIN THE NE 1/4 NE 1/4 SECTION 2.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1999 MAP BY THE STATE LANDS COMMISSION.

Owner/Manager: UNKNOWN

Cordylanthus mollis ssp. mollis

soft bird's-beak

Element Code: PDSCR0J0D2

Status
Federal: Endangered
State: Rare

NDDB Element Ranks
Global: G2T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: COASTAL SALT MARSH.
Micro: IN COASTAL SALT MARSH WITH DISTICHLIS, SALICORNIA, FRANKENIA, ETC. 0-3M.

Occurrence No. 26 **Map Index:** 43729 **EO Index:** 43729
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-11

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.21984º / -121.93869º
UTM: Zone-10 N4230739 E592902
Area: 5.8 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 02 **Qtr:** SE
Meridian: M

Location: NORTH OF LUCO HILL AT NORTHWEST END OF LUCO SLOUGH, ABOUT 0.8-1.2 MI SOUTHEAST OF BRANSCOME RD AT HWY 12, SUISUN MARSH.

Location Detail: 3 COLONIES MAPPED ALONG ROAD ON WEST SIDE OF SLOUGH; ABOUT 0.5-0.8 MILE SOUTH OF HIGHWAY 12. MOSTLY WITHIN THE SE 1/4 SECTION 2.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1999 MAP BY THE STATE LANDS COMMISSION.

Owner/Manager: UNKNOWN

Occurrence No. 27 **Map Index:** 43730 **EO Index:** 43730
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-11

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.19030º / -121.89817º
UTM: Zone-10 N4227503 E596488
Area: 17.4 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01E
Section: 17 **Qtr:** W
Meridian: M

Location: EAST OF BRADMOOR ISLAND, ABOUT 1.5 MILE NNW OF MONTEZUMA, SUISUN MARSH.

Location Detail: 6 COLONIES MAPPED IN 4 POLYGONS ALONG EASTERN EDGE OF MARSH. WITHIN THE THE SW 1/4 NW 1/4 SECTION 17 AND ALONG THE LINE BETWEEN SECTIONS 17 AND 18.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1999 MAP BY THE STATE LANDS COMMISSION.

Owner/Manager: UNKNOWN

Occurrence No. 28 **Map Index:** 43731 **EO Index:** 43731
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-11

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.18159º / -121.89803º
UTM: Zone-10 N4226537 E596512
Area: 15.6 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01E
Section: 20 **Qtr:** E
Meridian: M

Location: EAST OF BRADMOOR ISLAND, ABOUT 1 MILE NNW OF MONTEZUMA, SUISUN MARSH.

Location Detail: 4 COLONIES MAPPED ALONG EASTERN EDGE OF MARSH. COLONIES MAPPED ALONG THE N 1/2 OF LINE BETWEEN SECTIONS 19 AND 20.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1999 MAP BY THE STATE LANDS COMMISSION.

Owner/Manager: UNKNOWN

Cordylanthus mollis ssp. mollis

soft bird's-beak

Element Code: PDSCR0J0D2

Status
Federal: Endangered
State: Rare

NDDB Element Ranks
Global: G2T1
State: S1.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: COASTAL SALT MARSH.
Micro: IN COASTAL SALT MARSH WITH DISTICHLIS, SALICORNIA, FRANKENIA, ETC. 0-3M.

Occurrence No. 29 **Map Index:** 46594 **EO Index:** 46594
Occ Rank: Good
Origin: Introduced Back into Native Hab./Range
Presence: Presumed Extant
Trend: Increasing

Dates Last Seen
Element: 2002-XX-XX
Site: 2002-XX-XX
Record Last Updated: 2003-10-26

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.20391º / -122.02328º
UTM: Zone-10 N4228890 E585516
Area: 2.2 acres
Elevation: 15 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 07 **Qtr:** SW
Meridian: M

Location: SPRING BRANCH MARSH RESTORATION SITE, RUSH RANCH OPEN SPACE RESERVE, POTRERO HILLS, SOUTH OF FAIRFIELD.

Location Detail: JUST NORTH OF SPRING CREEK AND EAST OF UNNAMED DIRT ROAD. PLANTED IN SPRING 2000 AS AN EXPERIMENTALLY REINTRODUCED POPULATION: CALFED 99-05; 1/4 SW 1/4 SECTION 7.

Ecological: TIDAL BRACKISH MARSH, IN LOWER HIGH INTERDIAL ZONE. TIDAL FLOWS RESTORED IN 1991, CORDYLANTHUS REINTRODUCED IN 2000. ASSOCIATES INCLUDE SALICORNIA VIRGINICA, DISTICHLIS SPICATA, CUSCUTA SALINA, PLANTAGO SUBNUDA, ATRIPLEX TRIANGULARIS.

Threat: SPREAD OF INVASIVE LEPIDIUM LATIFOLIUM INTO RESTORATION AREA, SOME HYDROLOGIC DISTURBANCE IN FIRST MALLARD BRANCH.

General: 2053 PLANTS IN 2001. PLANTED IN SPRING 2000. SEEDS COLLECTED FROM OCC'S #16 & #21. UNKNOWN NUMBER OF PLANTS SEEN IN 2002, DENSITY OF PLANTS WAS EXPONENTIALLY HIGHER THAN DENSITIES OBSERVED IN 2001.

Owner/Manager: SOLANO LAND TRUST

Danaus plexippus

monarch butterfly

Element Code: IILEPP2010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5
State: S3

Other Lists
CDFG Status:

Habitat Associations
General: WINTER ROOST SITES EXTEND ALONG THE COAST FROM NORTHERN MENDOCINO TO BAJA CALIFORNIA, MEXICO.
Micro: ROOSTS LOCATED IN WIND-PROTECTED TREE GROVES (EUCALYPTUS, MONTEREY PINE, CYPRESS), WITH NECTAR AND WATER SOURCES NEARBY.

Occurrence No. 23 **Map Index:** 09717 **EO Index:** 12915

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1976-12-24
Site: 1976-12-24
Record Last Updated: 1996-01-08

Quad Summary: Fairfield South (3812221/482A), Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.24546º / -122.06330º
UTM: Zone-10 N4233464 E581965
Radius: 1 mile
Elevation: 20 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 05N
Range: 02W
Section: 26 **Qtr:** XX
Meridian: M

Location: W SIDE OF FAIRFIELD.

Ecological: HABITAT IS A LONG ROW OF EUCALYPTUS RUNNING ALONG THE WEST SIDE OF THE CITY.

General: APPROXIMATELY 50 INDIVIDUALS OBSERVED BY SHAPIRO, UCD LEPIDOPTERIST. THIS OCCURRENCE IS EXTREMELY FAR INLAND (APPROXIMATELY 50 MI FROM THE OCEAN).

Owner/Manager: UNKNOWN

Delphinium recurvatum

recurved larkspur

Element Code: PDRAN0B1J0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.
Micro: ON ALKALINE SOILS; OFTEN IN VALLEY SALTBUSH OR VALLEY CHENOPOD SCRUB. 3-685M.

Occurrence No. 12 **Map Index:** 51926 **EO Index:** 51926

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1940-03-23
Site: 1940-03-23
Record Last Updated: 2003-07-30

Quad Summary: Elmira (3812138/498C), Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.38652º / -121.97761º
UTM: Zone-10 N4249197 E589291
Area:
Elevation:

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 06N
Range: 01W
Section: 09 **Qtr:** XX
Meridian: M

Location: NORTH END OF BROWNS VALLEY, NORTH OF VACAVILLE.

Location Detail: "ALONG THE ROADSIDE." EXACT LOCATION UNKNOWN. MAPPED ALONG BROWNS VALLEY ROAD.

Ecological: ALONG THE ROADSIDE IN CLAY SOIL.

Threat: ROADSIDE OCCURRENCE.

General: 1902 COLLECTION BY HELLER AND BROWN "NEAR VACAVILLE" (FORMER EO #62) ATTRIBUTED TO THIS SITE. QUESTION BY JANEWAY ABOUT POSSIBLE MIS-ID ON HELLER'S 1940 COLLECTION AT THIS SITE. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Desmocerus californicus dimorphus

valley elderberry longhorn beetle

Element Code: IICOL48011

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G3T2
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: OCCURS ONLY IN THE CENTRAL VALLEY OF CALIFORNIA, IN ASSOCIATION WITH BLUE ELDERBERRY (SAMBUCUS MEXICANA).
Micro: PREFERS TO LAY EGGS IN ELDERBERRRIES 2-8 INCHES IN DIAMETER; SOME PREFERENCE SHOWN FOR "STRESSED" ELDERBERRIES.

Occurrence No. 3 **Map Index:** 09785 **EO Index:** 14458
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-07-26
Site: 1991-07-26
Record Last Updated: 1998-07-15

Quad Summary: Mt. Vaca (3812241/499A), Monticello Dam (3812251/515D)
County Summary: Yolo, Napa, Solano

Lat/Long: 38.50347º / -122.04067º
UTM: Zone-10 N4262114 E583648
Area: 500.2 acres
Elevation: 150 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 08N
Range: 02W
Section: 26 **Qtr:** NW
Meridian: M

Location: PUTAH CREEK, FROM MONTICELLO DAM 6 MILES EAST TO THE PUTAH DIVERSION CREEK DAM, SOLANO LAKE, ~3 MILES SW OF WINTERS
Location Detail: LOCATED IN SECTIONS 26, 27, 28, 29, AND 36.
Ecological: HABITAT CONSISTS OF ELDERBERRY/RIPARIAN ALONG STREAM BANKS.
Threat: POSSIBLE THREAT OF ELDERBERRY PRUNING IN THE VICINITY OF THE SOLANO LAKE PARKING LOT.
General: FOUR SPECIMENS FOUND ON SHRUBS EXPOSED TO SUNLIGHT AND ADJACENT TO OPEN FIELDS IN 1975. TWO ADULTS COLLECTED ALONG THE BANK IN 1985. A POSSIBLY-RECENT EXIT HOLE IN LIVE WOOD FOUND IN 1991.
Owner/Manager: SOL COUNTY

Occurrence No. 12 **Map Index:** 09658 **EO Index:** 22737
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1982-XX-XX
Site: 1982-XX-XX
Record Last Updated: 1995-12-13

Quad Summary: Monticello Dam (3812251/515D), Mt. Vaca (3812241/499A)
County Summary: Yolo, Napa, Solano

Lat/Long: 38.50101º / -122.09970º
UTM: Zone-10 N4261789 E578503
Radius: 1 mile
Elevation: 500 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 02W
Section: 32 **Qtr:** NE
Meridian: M

Location: G.L. STEBBINS UCLWR RESERVE, COLD CANYON, JUST BELOW MONTICELLO DAM ON PUTAH CREEK.
General: ONE COLLECTED IN 1982 BY SAM GON FROM UCD; COLLECTION MADE ALONG THE MAIN TRAIL WITHIN ONE MILE OF THE MAIN ENTRANCE TO THE RESERVE. NO VELB COLLECTIONS HAVE BEEN MADE HERE SINCE 1982.
Owner/Manager: UCNR-COLD CANYON RESERVE

Occurrence No. 80 **Map Index:** 33013 **EO Index:** 3790
Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-06-19
Site: 1991-06-19
Record Last Updated: 1998-08-11

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.44640º / -121.80328º
UTM: Zone-10 N4256024 E604430
Radius: 80 meters
Elevation: 55 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02E
Section: 18 **Qtr:** SW
Meridian: M

Location: DUDLEY CREEK, JUST EAST OF PEDRICK ROAD, 0.1 MILE NORTH OF DIXON AVENUE, JUST EAST OF DIXON.
Location Detail: REPORT ON: TAXONOMY; DISTRIBUTION; LIFE HISTORY; HABITAT; FIELD TECHNIQUES & OBSERVATIONS; BEETLE RECOVERY.
Ecological: HABITAT CONSISTS OF ELDERBERRIES (SAMBUCUS MEXICANA) GROWING ALONG THE FENCE OF A RESIDENCE, ADJACENT TO AN AGRICULTURAL FIELD.
General: ISOLATED CLUMP WITH A FEW OLD, CLEAN-CUT EXIT HOLES ON DEAD WOOD.
Owner/Manager: PVT

Desmocerus californicus dimorphus

valley elderberry longhorn beetle

Element Code: IICOL48011

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G3T2
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: OCCURS ONLY IN THE CENTRAL VALLEY OF CALIFORNIA, IN ASSOCIATION WITH BLUE ELDERBERRY (SAMBUCUS MEXICANA).
Micro: PREFERS TO LAY EGGS IN ELDERBERRRIES 2-8 INCHES IN DIAMETER; SOME PREFERENCE SHOWN FOR "STRESSED" ELDERBERRIES.

Occurrence No. 91 **Map Index:** 33023 **EO Index:** 3711
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-06-18
Site: 1991-06-18
Record Last Updated: 1998-08-11

Quad Summary: Fairfield North (3812231/499D)
County Summary: Napa

Lat/Long: 38.35367º / -122.12509º
UTM: Zone-10 N4245418 E576444
Radius: 80 meters
Elevation: 320 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 02W
Section: 19 **Qtr:** XX
Meridian: M

Location: SUISUN CREEK, JUST BELOW GORDON VALLEY DAM ON LAKE CURRY, 7 MILES WEST OF VACAVILLE.
Location Detail: REPORT ON: TAXONOMY; DISTRIBUTION; LIFE HISTORY; HABITAT; FIELD TECHNIQUES & OBSERVATIONS; BEETLE RECOVERY.
General: AN OLD EXIT HOLE WAS FOUND ON AN ISOLATED ELDERBERRY CLUMP.
Owner/Manager: UNKNOWN

Occurrence No. 92 **Map Index:** 33024 **EO Index:** 3709
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-06-18
Site: 1991-06-18
Record Last Updated: 1998-08-11

Quad Summary: Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.29252º / -122.09877º
UTM: Zone-10 N4238655 E578811
Radius: 80 meters
Elevation: 140 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02W
Section: 8 **Qtr:** XX
Meridian: M

Location: UNNAMED TRIBUTARY TO LEDGEWOOD CREEK, ALONG CLAYTON ROAD, 0.5 MILE NE OF GORDON VALLEY ROAD, 3 MILES NW OF FAIRFIELD.
Location Detail: REPORT ON: TAXONOMY; DISTRIBUTION; LIFE HISTORY; HABITAT; FIELD TECHNIQUES & OBSERVATIONS; BEETLE RECOVERY.
Ecological: HABITAT CONSISTS OF ELDERBERRIES GROWING ALONG A CREEK IN AN ORCHARD.
General: 4-5 CLUMPS OF ELDERBERRY; 1 OLD HOLE IN DEAD WOOD OBSERVED.
Owner/Manager: PVT

Occurrence No. 93 **Map Index:** 26483 **EO Index:** 3517
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-06-18
Site: 1991-06-18
Record Last Updated: 1998-08-11

Quad Summary: Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.30257º / -122.10662º
UTM: Zone-10 N4239764 E578113
Area: 13.9 acres
Elevation: 145 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 02W
Section: 5 **Qtr:** XX
Meridian: M

Location: GORDON VALLEY CREEK, IN THE VICINITY OF THE BRIDGE ON GORDON VALLEY ROAD (#B174), ~4 MILES NW OF FAIRFIELD.
Location Detail: REPORT ON: TAXONOMY; DISTRIBUTION; LIFE HISTORY; HABITAT; FIELD TECHNIQUES & OBSERVATIONS; BEETLE RECOVERY.
Ecological: HABITAT CONSISTS OF ONE RATHER LARGE, RELATIVELY YOUNG, ELDERBERRY CLUMP WITH MANY TRUNKS, AND 1 SMALL CLUMP ACROSS THE CREEK; SURROUNDED BY ORCHARDS AND FARMLAND.
General: POSSIBLE OLD EXIT HOLES IN DEAD WOOD OBSERVED.
Owner/Manager: PVT

Desmocerus californicus dimorphus

valley elderberry longhorn beetle

Element Code: IICOL48011

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G3T2
State: S2

Other Lists
CDFG Status:

Habitat Associations
General: OCCURS ONLY IN THE CENTRAL VALLEY OF CALIFORNIA, IN ASSOCIATION WITH BLUE ELDERBERRY (SAMBUCUS MEXICANA).
Micro: PREFERS TO LAY EGGS IN ELDERBERRRIES 2-8 INCHES IN DIAMETER; SOME PREFERENCE SHOWN FOR "STRESSED" ELDERBERRIES.

Occurrence No. 95 **Map Index:** 33026 **EO Index:** 3712
Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1995-12-29
Site: 1995-12-29
Record Last Updated: 1998-08-26

Quad Summary: Mt. Vaca (3812241/499A)
County Summary: Solano

Lat/Long: 38.47006º / -122.03987º
UTM: Zone-10 N4258407 E583756
Radius: 80 meters
Elevation: 200 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 02W
Section: 12 **Qtr:** NW
Meridian: M

Location: PLEASANTS CREEK, ALONG PLEASANTS VALLEY ROAD, NEAR PLEASANTS VALLEY ROAD BRIDGE, ~5 MILES WNW OF ALLENDALE.
Location Detail: REPORT ON: TAXONOMY; DISTRIBUTION; LIFE HISTORY; HABITAT; FIELD TECHNIQUES & OBSERVATIONS; BEETLE RECOVERY.
Ecological: HABITAT CONSISTS OF SCATTERED CLUMPS OF STRESSED ELDERBERRIES.
General: 1 POSSIBLE RECENT EXIT HOLE OBSERVED, 1991. 1 EXIT HOLE OBSERVED, 1995.
Owner/Manager: UNKNOWN

Occurrence No. 192 **Map Index:** 48984 **EO Index:** 48984
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-09-12
Site: 2002-09-12
Record Last Updated: 2002-10-09

Quad Summary: Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.29133º / -122.04412º
UTM: Zone-10 N4238571 E583591
Radius: 80 meters
Elevation: 158 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02W
Section: 11 **Qtr:** XX
Meridian: M

Location: 0.5 MILE WEST OF I-80, ON THE NORTH EDGE OF FAIRFIELD
Location Detail: ELDERBERRY WITH EMERGENCE HOLES LOCATED ON THE SOUTH BANK OF THE CREEK BED; SMALLER SHRUBS FOUND ON BOTH BANKS.
Ecological: HABITAT CONSISTS OF A RIPARIAN CORRIDOR DOMINATED BY QUERCUS LOBATA, POPULUS FREMONTII, AESCULUS CALIFORNICA, CERCIS OCCIDENTALIS, AND ALNUS RHOMBIFOLIA, WITH AN UNDERSTORY OF TYPHA LATIFOLIA, JUNCUS XIPHIOIDES, AND JUNCUS EFFUSUS.
Threat: THREATENED BY DEVELOPMENT OF AN ELEMENTARY SCHOOL ON AN ADJACENT PARCEL.
General: VELB EMERGENCE HOLES FOUND ON A LARGE (BASAL DIAMETER = 14-16") ELDERBERRY ON 12 SEP 2002.
Owner/Manager: CITY OF FAIRFIELD

Occurrence No. 211 **Map Index:** 65054 **EO Index:** 65133
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-12
Site: 2004-05-12
Record Last Updated: 2006-07-10

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23286º / -122.11258º
UTM: Zone-10 N4232024 E577666
Radius: 80 meters
Elevation: 40 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02W
Section: 32 **Qtr:** SW
Meridian: M

Location: ALONG SUISUN CREEK, ABOUT 0.1 MI NORTH OF I-80.
Location Detail: RIPARIAN AREA ALONG BIKE TRAIL.
Ecological: RIPARIAN HABITAT ALONG SUISUN CREEK; CANOPY DOMINATED BY QUERCUS AND JUGLANS SP. HOST PLANT (SAMBUCUS MEXICANA) FORMS A DISCONTINUOUS UNDERSTORY, OR IN SOME PLACES, COLONIES.
Threat: OCCASIONAL HERBICIDING AND OTHER MAINTENANCE ALONG CORRIDOR.
General: PRESENCE OF BORE HOLES FOUND IN A NUMBER OF DEAD BRANCHES/TRUNKS OF BLUE ELDERBERRY ALONG RIPARIAN CORRIDOR.
Owner/Manager: FAIRFIELD-SUISUN SEWER DIST

Downingia pusilla

dwarf downingia

Element Code: PDCAM060C0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 2.2

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.
Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.

Occurrence No. 1 **Map Index:** 10073 **EO Index:** 19619

Dates Last Seen
Element: 1893-04-XX
Site: 1893-04-XX
Record Last Updated: 2008-01-30

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28879º / -121.96247º
UTM: Zone-10 N4238367 E590735
Radius: 1 mile
Elevation: 80 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01W
Section: 10 **Qtr:** SW
Meridian: M

Location: VANDEN.
Location Detail: EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS A BEST GUESS. VANDEN STATION WAS A SOUTHERN PACIFIC TRAIN STOP FIVE MILES SOUTH OF VACAVILLE.
General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS AN 1893 COLLECTION BY BRANDEGEE.
Owner/Manager: UNKNOWN

Occurrence No. 2 **Map Index:** 10592 **EO Index:** 17419

Dates Last Seen
Element: 1961-04-24
Site: 1961-04-24
Record Last Updated: 1989-08-11

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27851º / -121.80496º
UTM: Zone-10 N4237392 E604524
Radius: 1/5 mile
Elevation: 10 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02E
Section: 18 **Qtr:** NW
Meridian: M

Location: BARKER SLOUGH 6.7 MILES SOUTH OF ELMIRA LATERAL, ABOUT 1 MILE SE OF DOZIER, ON DIXON-RIO VISTA ROAD.
Ecological: MARGINS OF WATER. ASSOCIATED WITH LASTHENIA GLABERRIMA, LEGENERE LIMOSA, MYOSURUS MINIMUS, AND PSILOCARPHUS OREGONUS.
General: ABUNDANT IN 1961.
Owner/Manager: UNKNOWN

Occurrence No. 3 **Map Index:** 24757 **EO Index:** 17420

Dates Last Seen
Element: 1990-04-08
Site: 1990-04-08
Record Last Updated: 2008-02-13

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27381º / -121.82219º
UTM: Zone-10 N4236851 E603024
Area: 15.0 acres
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 13 **Qtr:** SW
Meridian: M

Location: NORTHERN MARGIN OF OLCOTT LAKE.
Location Detail: THREE COLONIES ALONG THE N AND NE MARGIN OF OLCOTT LAKE, ON EITHER SIDE OF COOK LANE. FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97.
Ecological: GROWING IN HOGWALLOWS, VERNAL POOLS, AND RUTS IN THE DIRT ROADS. MARGINS OF LARGE VERNAL LAKE. ASSOCIATED WITH PLAGIOBOTHRYS AND NAVARRETIA.
General: 50+ PLANTS IN 1982. 10,000+ PLANTS OBSERVED IN 1990 BETWEEN THIS OCCURRENCE AND OCCURRENCES #38, 46, 47, 48, AND 126 COMBINED. INCLUDES FORMER OCCURRENCE #49.
Owner/Manager: SOLANO LAND TRUST

Downingia pusilla

dwarf downingia

Element Code: PDCAM060C0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 2.2

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.
Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.

Occurrence No. 4 **Map Index:** 10523 **EO Index:** 5247

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-03-28
Site: 1990-03-28
Record Last Updated: 1994-08-08

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.28125º / -121.83879º
UTM: Zone-10 N4237658 E601562
Area: 65.3 acres
Elevation: 20 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 14 **Qtr:** N
Meridian: M

Location: ABOUT 0.5 MILE WEST OF THE JUNCTION OF COOK LANE AND THE SACRAMENTO NORTHERN RAILROAD, ABOUT 1 MILE WSW OF DOZIER.

Location Detail: FOUND IN 80% OF THE 30+ VERNAL POOLS IN THIS AREA. MAPPED MOSTLY WITHIN THE CENTER OF THE NORTH HALF OF SECTION 14. SITE OF PROPOSED VEHICLE PARK.

Ecological: VERNAL POOL DOMINATED BY PSILOCARPHUS AND PLANTAGO ERECTA; OTHER RARE SPECIES INCLUDE LEPIDIUM LATIPES (HECKARDII?) AND MYOSURUS MINIMUS SSP. APUS VAR. SESSILIFLORUS. SALTY AND ALKALINE SOILS.

Threat: GRAZING, ALTERED HYDROLOGY; PLANNED FOR EXPANSION OF VACA VALLEY RACEWAY.

General: THOUSANDS OF PLANTS OBSERVED IN 1990. LAND IS SEVERELY OVERGRAZED BY SHEEP. SITE IS ADJACENT TO THE JEPSON PRAIRIE PRESERVE (TNC).

Owner/Manager: PVT

Occurrence No. 5 **Map Index:** 10300 **EO Index:** 17416

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1961-04-30
Site: 1961-04-30
Record Last Updated: 1989-08-11

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.21462º / -121.89440º
UTM: Zone-10 N4230205 E596786
Radius: 1 mile
Elevation: 30 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01E
Section: 05 **Qtr:** SW
Meridian: M

Location: BOTTOM OF GRAVEL PIT IN PASTURE ALONG HIGHWAY 12, 10.1 MILES EAST OF FAIRFIELD.

Ecological: BOTTOM OF GRAVEL PIT IN PASTURE. ASSOCIATED WITH PSILOCARPHUS OREGONUS, ERYNGIUM SP. AND PLAGIOBOTHRYS STIPITATUS.

Owner/Manager: UNKNOWN

Occurrence No. 31 **Map Index:** 10371 **EO Index:** 7661

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1982-05-18
Site: 1982-05-18
Record Last Updated: 1993-12-29

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27595º / -121.87493º
UTM: Zone-10 N4237031 E598408
Radius: 80 meters
Elevation: 40 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 16 **Qtr:** SW
Meridian: M

Location: 2.75 AIR MILES WEST OF OLCOTT AND RAILROAD TRACKS, EAST OF TRAVIS AFB.

Ecological: LARGE VERNAL POOL WITH CLAY BOTTOM. ASSOCIATED WITH DOWNINGIA, LASTHENIA, CALLITRICHE, AND PLAGIOBOTHRYS CF. STIPITATUS.

Threat: NO VISIBLE THREATS BUT OTHER POOLS NEARBY MODIFIED FOR WATERFOWL.

General: ABOUT 10 PLANTS OBSERVED IN 1982, BUT MALLOCH WAS CONFIDENT THERE WERE MANY MORE PLANTS IN THE AREA.

Owner/Manager: PVT

Downingia pusilla

dwarf downingia

Element Code: PDCAM060C0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 2.2

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.
Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.

Occurrence No. 34 **Map Index:** 10611 **EO Index:** 4560

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-05-02
Site: 1994-05-29
Record Last Updated: 1995-11-01

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25860º / -121.79655º
UTM: Zone-10 N4235192 E605289
Radius: 80 meters
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02E
Section: 19 **Qtr:** SE
Meridian: M

Location: CALHOUN CUT ECOLOGICAL RESERVE, 0.5 MILE EAST OF HIGHWAY 113 AT CALHOUN CUT, EAST OF JEPSON PRAIRIE.

Location Detail: SMALL ARM OF HISTORIC LINDSEY SLOUGH BED WHICH WAS HYDROLOGICALLY ISOLATED WHEN CALHOUN CUT WAS DREDGED. BORDERED ON THE NORTH SIDE BY A LEVEE.

Ecological: VERNAL MARSH/POOL PLANT COMMUNITY DOMINATED BY CRYPSIS AND DISTICHLIS SPICATA. CLUMP OF SALIX OCCURS ON MARGIN OF THIS DEPRESSION.

Threat: AREA NO LONGER GRAZED ACCORDING TO WITHAM, 1994. COMPETITION FROM WEEDY PHYLLA NODIFLORA MAY BE A THREAT.

General: MORE THAN 1000 PLANTS SEEN IN 1986. PLANTS NOT SEEN IN 1994; SITE PROBABLY VISITED TOO LATE IN THE SEASON. HABITAT CONSIDERED INTACT AND STILL SUITABLE FOR THE SPECIES AT THAT TIME.

Owner/Manager: DFG-CALHOUN CUT ER

Occurrence No. 38 **Map Index:** 70816 **EO Index:** 6798

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-11
Site: 2002-04-11
Record Last Updated: 2008-02-13

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26730º / -121.82596º
UTM: Zone-10 N4236125 E602703
Area: 15.0 acres
Elevation: 25 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 23 **Qtr:** NE
Meridian: M

Location: SOUTH OF OLCOTT LAKE, 0.1 TO 0.3 AIR MILE WEST OF COOK LANE, JEPSON PRAIRIE.

Location Detail: THREE COLONIES.

Ecological: IN VERNAL POOL. ASSOC WITH LASTHENIA GLABERRIMA, L. FREMONTII, ELEOCHARIS PALUSTRIS, PLAGIOBOTHRYS STIPITATUS VAR. MICRANTHUS, PSILOCARPHUS BREVISSIMUS, ALLOCARYA BRACTEATUS, PLEUROPOGON CALIFORNICUS, LEGENERE LIMOSA, & LASTHENIA FREMONTII.

Threat: SHEEP GRAZING OCCURS ON PART OF THIS LAND.

General: OVER 10,000 PLANTS OBSERVED IN 1990 BETWEEN THIS OCCURRENCE AND OCCURRENCES #3, 46, 47, 48, AND 126 COMBINED. D. PUSILLA ACCOUNTED FOR SIGNIFICANTLY LESS THAN 1% OF TOTAL PLANT COVER NOTED DURING 2002 VEGETATION SURVEYS AT THIS LOCATION.

Owner/Manager: SOLANO LAND TRUST

Downingia pusilla

dwarf downingia

Element Code: PDCAM060C0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 2.2

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.
Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.

Occurrence No. 39 **Map Index:** 24745 **EO Index:** 9259

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-05-03
Site: 1991-05-03
Record Last Updated: 1993-12-29

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29236º / -121.86117º
UTM: Zone-10 N4238867 E599589
Area: 74.4 acres
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 09 **Qtr:** E
Meridian: M

Location: 2.5 MILES WEST OF DOZIER, NORTH OF THE SACRAMENTO NORTHERN RAILROAD TRACKS.

Location Detail: FOURTEEN POOLS SCATTERED WITHIN THE EASTERN HALF OF SECTION 9.

Ecological: VERNAL POOLS. TYPICAL DOMINANT SPECIES INCLUDE ELEOCHARIS MACROSTACHYA, LASTHENIA FREMONTII, L. GLABERRIMA, ERYNGIUM ARISTULATUM, DISTICHLIS SPICATA, ALOPECURUS HOWELLII, PLEUROPOGON CALIFORNICUS, HORDEUM GENICULATUM, & DOWNINGIA CONCOLOR.

Threat: PARCEL IS CONSIDERED TO BE IN RELATIVELY GOOD SHAPE ALTHOUGH CURRENTLY UNDER WINTER CATTLE PASTURE.

General: OTHER RARE TAXA FOUND IN ONE OR MORE OF THESE POOLS INCLUDE LEPIDIUM LATIPES, ASTRAGALUS TENER TENER, GRATIOLA HETEROSEPALA, MYOSURUS MINIMUS APUS SESSILIFLORUS, AND CUSCUTA HOWELLIANA.

Owner/Manager: PVT

Occurrence No. 40 **Map Index:** 24746 **EO Index:** 9284

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-04-22
Site: 1991-04-22
Record Last Updated: 1993-12-29

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27842º / -121.86036º
UTM: Zone-10 N4237321 E599679
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 15 **Qtr:** W
Meridian: M

Location: 2 MILES DUE WEST OF OLCOTT.

Location Detail: 0.5 MILE SOUTH OF THE SACRAMENTO NORTHERN RAILROAD TRACKS.

Ecological: GROWING IN A VERNAL POOL DOMINATED BY LASTHENIA FREMONTII, DESCHAMPSIA DANTHONIOIDES, PSILOCARPHUS BREVISSIMUS, AND BLENNOSPERMA NANUM. ALSO ASSOCIATED WITH LEPIDIUM LATIPES.

Threat: AREA IN GOOD CONDITION ALTHOUGH IT IS USED AS WINTER CATTLE PASTURE.

Owner/Manager: PVT

Downingia pusilla

dwarf downingia

Element Code: PDCAM060C0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 2.2

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.
Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.

Occurrence No. 41 **Map Index:** 24748 **EO Index:** 9222

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-04-30
Site: 1991-04-30
Record Last Updated: 1993-12-29

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27167º / -121.86084º
UTM: Zone-10 N4236572 E599646
Radius: 80 meters
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 16 **Qtr:** SE
Meridian: M

Location: 2 MILES WEST OF OLCOTT LAKE.
Location Detail: MAPPED IN EXTREME SOUTHEAST CORNER OF SECTION 16.
Ecological: GROWING IN A VERNAL POOL WITH DESCHAMPSIA DANTHONIOIDES, DISTICHILIS SPICATA NANA, LASTHENIA FREMONTII, PSILOCARPHUS BREVISSIMUS, AND MYOSURUS MINIMUS APUS SESSILIFLORUS.
Threat: SITE UNDER PERMANENT CATTLE PASTURE.
Owner/Manager: PVT

Occurrence No. 42 **Map Index:** 24749 **EO Index:** 17012

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-04-30
Site: 1991-04-30
Record Last Updated: 1993-12-29

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26620º / -121.86045º
UTM: Zone-10 N4235965 E599688
Radius: 80 meters
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 22 **Qtr:** NW
Meridian: M

Location: APPROXIMATELY 2.5 MILES WSW OF DOZIER.
Location Detail: MAPPED 1.4 MILES SOUTH OF THE NORTHERN SACRAMENTO RAILROAD TRACKS AND 2 MILES WEST OF COOK LANE.
Ecological: GROWING IN A VERNAL POOL IN ASSOCIATION WITH LASTHENIA FREMONTII, DESCHAMPSIA DANTHONIOIDES, AND LEGENERE LIMOSA.
Threat: THIS AREA IS EXTREMELY OVERGRAZED AND THE POOLS ARE DAMAGED BY CATTLE TRAMPLING.
Owner/Manager: PVT

Occurrence No. 43 **Map Index:** 24752 **EO Index:** 6814

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-05-07
Site: 1991-05-07
Record Last Updated: 2004-03-16

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25751º / -121.84755º
UTM: Zone-10 N4235015 E600828
Area: 7.4 acres
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 22 **Qtr:** S
Meridian: M

Location: 2.5 MILES SOUTHWEST OF DOZIER ALONG EITHER SIDE OF THE RAILROAD TRACKS.
Location Detail: FOUND IN 7 OF THE POOLS IN THE VERNAL POOL COMPLEX NORTHWEST OF THE NORTHERN END OF CALHOUN CUT.
Ecological: GROWING IN VERNAL POOLS. ASSOCIATED WITH LASTHENIA FREMONTII, L. GLABERRIMA, ALOPECURUS HOWELLII, ELEOCHARIS MACROSTACHYA, DESCHAMPSIA DANTHONIOIDES, HORDEUM GENICULATUM, VULPIA BROMOIDES, ERYNGIUM ARISTULATUM, AND DISTICHLIS SPICATA NANA.
General: 1991 & 1993 TAYLOR COLLECTIONS "2 MILES SW OF OLCOTT..." LOCATED IN SECTION 27 ATTRIBUTED & FORMER OCCURRENCE #44 LUMPED HERE. RARE PLANTS PRESENT: ASTRAGALUS TENER V. TENER, CUSCUTA HOWELLIANA, GRATIOLA HETEROSEPALA, LEGENERE LIMOSA,
Owner/Manager: PVT

Downingia pusilla

dwarf downingia

Element Code: PDCAM060C0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 2.2

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.
Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.

Occurrence No. 45 **Map Index:** 13114 **EO Index:** 6805
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1995-04-23
Site: 1995-04-23
Record Last Updated: 2005-09-06

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25829º / -121.80450º
UTM: Zone-10 N4235149 E604593
Area: 1.6 acres
Elevation: 10 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 02E
Section: 19 **Qtr:** SW
Meridian: M

Location: CALHOUN CUT ECOLOGICAL RESERVE, SOUTH SIDE OF CALHOUN CUT, EAST OF HIGHWAY 113, SOUTHEAST OF DOZIER.

Location Detail: TWO COLONIES: NORTH COLONY LOCATED WITHIN THE SW 1/4 OF THE SW 1/4 OF SECTION 19; SOUTH COLONY WITHIN THE NW 1/4 OF THE NW 1/4 OF SECTION 30.

Ecological: GROWING IN SMALL VERNAL MARSH, PLANT COMMUNITY JUST SOUTH OF THE SLOUGH ON HIGHER GROUND. ASSOCIATED WITH LEGENERE LIMOSA, CRASSULA AQUATICA, LILAEA SCILLOIDES, ELEOCHARIS MACROSTACHYA, DISTICHLIS SPICATA, PLAGIOBOTHRYS UNDULATUS, ET AL.

Threat: POSSIBLE GRAZING, COMPETITION FROM WEEDY PHYLA NODIFLORA, AND REDUCTION OF USABLE HABITAT VIA DEAD BIOMASS BUILD-UP.

General: SITE IS WITHIN THE DFG CALHOUN CUT ECOLOGICAL RESERVE. N COLONY: HUNDREDS OF PLANTS SEEN IN 1990, 100+ IN 1994. NO GRAZING IN 1994. S COLONY: <100 PLANTS IN 1990. COLLECTED HERE BY SCHULTHEIS IN 1995.

Owner/Manager: DFG-CALHOUN CUT ER

Occurrence No. 46 **Map Index:** 24759 **EO Index:** 6810
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-04-08
Site: 1990-04-08
Record Last Updated: 1993-11-11

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26287º / -121.82059º
UTM: Zone-10 N4235639 E603180
Radius: 80 meters
Elevation: 15 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 24 **Qtr:** NW
Meridian: M

Location: BETWEEN OLCOTT LAKE AND CALHOUN CUT, APPROXIMATELY 200 METERS EAST OF COOK LANE.

Location Detail: COOK LANE IS ROAD RUNNING NORTH-SOUTH THROUGH OLCOTT. FORMERLY TNC JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS AND OPEN SPACE ON 8/97. TNC RETAINS CONSERVATION EASEMENT.

Ecological: GROWING IN HOGWALLOWS, VERNAL POOLS, AND RUTS IN THE DIRT ROADS.

General: 10,000+ PLANTS ESTIMATED IN 1990 BETWEEN THIS OCCURRENCE AND OCCURRENCES #3, 38, 47, 48 AND 126 COMBINED.

Owner/Manager: SOLANO LAND TRUST

Downingia pusilla

dwarf downingia

Element Code: PDCAM060C0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 2.2

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.
Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.

Occurrence No. 47 **Map Index:** 24760 **EO Index:** 6808

Dates Last Seen
Element: 1990-04-08
Site: 1990-04-08
Record Last Updated: 2008-02-13

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25952º / -121.81433º
UTM: Zone-10 N4235274 E603731
Area: 10.0 acres
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 24 **Qtr:** SE
Meridian: M

Location: ALONG MARGINS OF NORTHERN ARM OF CALHOUN CUT, JUST WEST OF HIGHWAY 113.

Location Detail: TWO COLONIES APPROXIMATELY 1.7 MILES SOUTH OF DOZIER AND 0.5 MILE WEST OF HIGHWAY 113. FORMERLY TNC JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS AND OPEN SPACE ON 8/97. TNC RETAINS CONSERVATION EASEMENT.

Ecological: GROWING IN HOGWALLOWS, VERNAL POOLS, AND RUTS IN THE DIRT ROADS.

General: 10,000+ PLANTS ESTIMATED IN 1990 BETWEEN THIS OCCURRENCE AND OCCURRENCES #3, 38, 46, 48 AND 126 COMBINED.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 48 **Map Index:** 24762 **EO Index:** 6804

Dates Last Seen
Element: 1990-04-08
Site: 1990-04-08
Record Last Updated: 1993-11-11

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27140º / -121.80839º
UTM: Zone-10 N4236599 E604235
Radius: 80 meters
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 13 **Qtr:** SE
Meridian: M

Location: 0.7 MILE EAST OF OLCOTT LAKE.

Location Detail: MAPPED WITHIN THE SE 1/4 OF THE SE 1/4 OF SECTION 13; APPROXIMATELY 250 METERS WEST OF HWY 113 NEAR HEAD OF DRAINAGE INTO BARKER SLOUGH. FORMERLY TNC JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS AND OPEN SPACE ON 8/97.

Ecological: GROWING IN HOGWALLOWS, VERNAL POOLS, AND RUTS IN THE DIRT ROADS.

General: 10,000+ PLANTS ESTIMATED IN 1990 BETWEEN THIS OCCURRENCE AND OCCURRENCES #3, 38, 46, 47, AND 126 COMBINED.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 92 **Map Index:** 39023 **EO Index:** 34030

Dates Last Seen
Element: 1998-05-08
Site: 1998-05-08
Record Last Updated: 1998-06-22

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.39767º / -121.94467º
UTM: Zone-10 N4250466 E592153
Area: 3.3 acres
Elevation: 95 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 06N
Range: 01W
Section: 02 **Qtr:** XX
Meridian: M

Location: ABOUT 1.5 MILES WSW OF VACA DIXON SUBSTATION, 0.2 MILE EAST OF I-505, 0.6 MILE WEST OF LEISURE TOWN ROAD.

Ecological: AMONG DENSE ELEOCHARIS MACROSTACHYA, CALLITRICHE MARGINATA, AND LASTHENIA GLABERRIMA.

Threat: PROPOSED DEVELOPMENT, CATTLE GRAZING; PROPERTY HAS BEEN DRY-FARMED IN THE PAST.

General: 250,000 PLANTS ESTIMATED IN 1998.

Owner/Manager: UNKNOWN

Downingia pusilla

dwarf downingia

Element Code: PDCAM060C0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 2.2

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.
Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.

Occurrence No. 112 **Map Index:** 54686 **EO Index:** 54686

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-04-30
Site: 2003-04-30
Record Last Updated: 2004-03-11

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29542º / -121.80140º
UTM: Zone-10 N4239273 E604811
Radius: 80 meters
Elevation: 15 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02E
Section: 07 **Qtr:** NW
Meridian: M

Location: NORTHEAST OF DOZIER, JUST SOUTHEAST OF WINDMILL.

Location Detail: ONE COLONY LOCATED PRIMARILY IN THE SW 1/4 OF THE NW 1/4 OF SECTION 7.

Ecological: LARGE ALKALINE PLAYA POOL, PONDED TO ABOUT 50% IN NON-NATIVE GRASSLAND (SOME NASELLA). ASSOCIATED WITH TYPICAL VERNAL POOL SPECIES, INCLUDING LASTHENIA FREMONTII, DOWNINGIA INSIGNIS, D. CONCOLOR, PLAGIOBOTHRYS STIPITATUS, LASTHENIA ET AL.

Threat: GRAZING, TRAMPLING, AND DUNG FROM GOATS AND SHEEP ON SITE.

General: 10,000+ INDIVIDUALS OBSERVED IN 2003. RARE ATRIPLEX CORDULATA ALSO HERE.

Owner/Manager: PVT-WETLANDS RESOURCES

Occurrence No. 113 **Map Index:** 54687 **EO Index:** 54687

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-04-15
Site: 2003-04-15
Record Last Updated: 2004-03-11

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26571º / -121.88056º
UTM: Zone-10 N4235890 E597929
Radius: 80 meters
Elevation: 40 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 20 **Qtr:** NE
Meridian: M

Location: EAST OF TRAVIS AIR FORCE BASE, APPROXIMATELY 0.4 AIR MILE EAST OF POWERLINES, JUST NORTH OF JEEP TRAIL.

Location Detail: ONE COLONY MAPPED IN THE SE 1/4 OF THE NE 1/4 OF SECTION 20.

Ecological: VERNAL POOL / SWALE ON SOLANO LOAM WITH LASTHENIA FREMONTII, PLAGIOBOTHRYS STIPITATUS, P. BREVISSIMUS, AND DOWNINGIA SSP. RARE PLANTS NEAR THIS SITE: ORCUTTIA INAEQUALIS, NAVARRETIA LEUCOCEPHALA SSP. BAKERI, AND ASTRAGALUS TENER VAR. TENER.

Threat: GRAZING AND TRAMPLING BY CATTLE. MUZZY RANCH PROPOSED AS MITIGATION BANK.

General: 10 INDIVIDUALS OBSERVED IN 2003.

Owner/Manager: PVT

Downingia pusilla

dwarf downingia

Element Code: PDCAM060C0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 2.2

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND (MESIC SITES), VERNAL POOLS.
Micro: VERNAL LAKE AND POOL MARGINS WITH A VARIETY OF ASSOCIATES. IN SEVERAL TYPES OF VERNAL POOLS. 1-485M.

Occurrence No. 126 **Map Index:** 70819 **EO Index:** 71733
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1995-04-23
Site: 1995-04-23
Record Last Updated: 2008-02-13

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.28208º / -121.82253º
UTM: Zone-10 N4237768 E602983
Area: 9.0 acres
Elevation: 20 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 13 **Qtr:** NW
Meridian: M

Location: JUST SOUTH OF BARKER SLOUGH, BETWEEN COOK LANE AND THE RAILROAD TRACKS, JEPSON PRAIRIE.
Location Detail: IN THE NW 1/4 OF THE NW 1/4 OF SECTION 13.
Ecological: VERNAL POOLS.
General: 10,000+ PLANTS ESTIMATED IN 1990 BETWEEN THIS OCCURRENCE AND OCCURRENCES #3, 38, 46, 47, AND 48 COMBINED.
Owner/Manager: SOLANO LAND TRUST

Dumontia oregonensis

hairy water flea

Element Code: ICBRA23010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1G3
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: VERNAL POOLS. IN CALIFORNIA, KNOWN ONLY FROM MATHER FIELD.
Micro:

Occurrence No. 2 **Map Index:** 65266 **EO Index:** 65345

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-01-09
Site: 2006-01-09
Record Last Updated: 2006-07-20

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.24442º / -121.96853º
UTM: Zone-10 N4233437 E590259
Area: 14.0 acres
Elevation: 26 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01W
Section: 27 **Qtr:** XX
Meridian: M

Location: SW CORNER OF TRAVIS AFB NEAR SOUTH GATE ENTRANCE, JUST N OF SCANDIA RD, ABOUT 3.7 MI E OF FAIRFIELD AND 1 MI N HWY 12.

Ecological: VERNAL POOLS WITHIN GRAZED PASTURE LAND; LARGE BROAD POOLS WITH SCATTERED CYPERUS ERAGROSTIS, ELEOCHARIS MACROSTACHYA, AND GLYCERIA OCCIDENTALIS. ANTIOCH-SAN YSIDRO COMPLEX SOIL TYPE; 0-2% SLOPES (NRCS 1997 SOIL SURVEY FOR SOLANO CO.)

Threat: MOSQUITOFISH (GAMBUSIA AFFINIS) INADVERTANTLY INTRODUCED INTO AREA IN 2006.

General: 100'S OF ADULTS OBSERVED.

Owner/Manager: DOD-TRAVIS AFB

Elanus leucurus

white-tailed kite

Element Code: ABNKC06010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5
State: S3

Other Lists
CDFG Status:

Habitat Associations
General: ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS & RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.
Micro: OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Occurrence No. 47 **Map Index:** 24958 **EO Index:** 6354
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-06-22
Site: 1993-06-22
Record Last Updated: 1994-01-31

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.40678º / -121.85894º
UTM: Zone-10 N4251566 E599627
Radius: 80 meters
Elevation: 60 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 01E
Section: 34 **Qtr:** SW
Meridian: M

Location: EAST SIDE OF BATAVIA ROAD, 0.7 MILE SOUTH OF MIDWAY ROAD, 6 MILES EAST OF ELMIRA.

Ecological: HABITAT IS A MIXTURE OF PINES, EUCALYPTUS, POPLAR, WILLOW, AND PASTURE ALONG A SMALL RIPARIAN AREA.

General: 2 ADULTS FLEDGED 3 YOUNG IN 1993. SWAINSON'S HAWKS, WHICH ALSO NEST IN THIS AREA, WERE REPEATEDLY CHASED BY THE ADULT KITES.

Owner/Manager: UNKNOWN

Occurrence No. 48 **Map Index:** 25472 **EO Index:** 27031
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-05-15
Site: 1993-05-15
Record Last Updated: 1994-01-31

Quad Summary: Saxon (3812146/497B)
County Summary: Solano

Lat/Long: 38.41486º / -121.72216º
UTM: Zone-10 N4252619 E611558
Radius: 80 meters
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 02E
Section: 35 **Qtr:** NW
Meridian: M

Location: SW CORNER OF THE INTERSECTION OF MIDWAY AND BULKLEY ROADS, 10.5 MILES EAST OF DIXON.

Ecological: HABITAT CONSISTS OF VARIOUS EUCALYPTUS, PINE, AND POPLARS, BORDERED BY FALLOW PASTURE THAT IS PART OF A HOUSING COMPOUND FOR FARM WORKERS.

Threat: THREATENED BY HUMAN ACTIVITIES, SHOOTING, AND POISONING.

General: 2 ADULTS FLEDGED 4 YOUNG IN 1993; 2ND, 3RD, 4TH, AND 5TH KITE NESTS TO THE EAST AND WEST OF THIS NEST FAILED DUE TO SWAINSON'S HAWK DOMINATION OF THE TERRITORY.

Owner/Manager: PVT

Occurrence No. 49 **Map Index:** 25470 **EO Index:** 11806
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-04-25
Site: 1993-04-25
Record Last Updated: 1995-11-02

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo, Solano

Lat/Long: 38.49283º / -121.69287º
UTM: Zone-10 N4261307 E613992
Radius: 1/5 mile
Elevation: 30 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 08N
Range: 03E
Section: 31 **Qtr:** SW
Meridian: M

Location: EAST SIDE OF ROAD 104, SOUTH OF THE INTERSECTION OF TREMONT ROAD, YOLO COUNTY PARK.

Ecological: NEST TREE IS A EUCALYPTUS WITHIN A HEDGEROW; FORAGING HABITAT CONSISTS OF "MANAGED" NATIVE VEGETATION, BORDERED BY AGRICULTURAL FIELDS TO THE NORTH, WEST, AND SOUTH.

General: 2 ADULTS FLEDGED 3 YOUNG IN 1993; NESTING SWAINSON'S HAWK NEARBY SOMETIMES OBSERVED IN CONFLICT WITH THE KITES (ALWAYS THE KITES PURSUING THE HAWKS).

Owner/Manager: YOL COUNTY

Elanus leucurus

white-tailed kite

Element Code: ABNKC06010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5
State: S3

Other Lists
CDFG Status:

Habitat Associations
General: ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS & RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.
Micro: OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Occurrence No. 57 **Map Index:** 46097 **EO Index:** 46097
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-06-14
Site: 2001-06-14
Record Last Updated: 2001-10-10

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.38734º / -121.92388º
UTM: Zone-10 N4249341 E593982
Radius: 80 meters
Elevation: 80 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01W
Section: 12 **Qtr:** NE
Meridian: M

Location: 0.1 MILE NORTH OF WALNUT ROAD AND 0.1 MILE EAST OF WILLOW ROAD, ALONG THE NORTH EDGE OF VACAVILLE

Location Detail: 2000 NEST TREE WAS THE FOURTH TREE EAST OF THE DRIVE TO #5165. 2001 NEST TREE WAS A WILLOW NORTH OF THE BUILDINGS AND SOUTH OF THE IRRIGATION CANAL.

Ecological: HABITAT CONSISTS OF THE SEMI-URBAN FRINGE OF VACAVILLE. SURROUNDING AREA CONSISTS OF SOME PASTURE SOUTH AND WEST; RUDERAL TO THE NORTH WITH NEW DIRT FILL.

General: PAIR NESTED IN 2000. NEST SITE WAS MONITORED FROM 2 MAY-14 JUN 2001 (3 VISITS); 2 CHICKS OBSERVED ON 27 MAY 2001, 2 YOUNG FLEDGED.

Owner/Manager: PVT

Occurrence No. 58 **Map Index:** 46099 **EO Index:** 46099
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-07-09
Site: 2001-07-09
Record Last Updated: 2001-10-10

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.37983º / -121.89208º
UTM: Zone-10 N4248540 E596769
Radius: 80 meters
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 08 **Qtr:** SW
Meridian: M

Location: 0.25 MILE EAST OF LEWIS ROAD, 6 MILES SW OF DIXON

Location Detail: NEST TREE IS LOCATED ON LEWIS ROAD FARMSTEAD #6654, WITHIN A ROW OF OSAGE ORANGES.

Ecological: NEST TREE IS IN AN OSAGE ORANGE. SWHA NEST IS FOUND FURTHER DOWN IN THE SAME ROW OF TREES.

General: NEST SITE WAS MONITORED FROM 3 APR-9 JUL 2001 (9 VISITS); 2 CHICKS OBSERVED ON 9 JUL 2001, 2 FLEDGED.

Owner/Manager: PVT

Occurrence No. 97 **Map Index:** 65931 **EO Index:** 66010
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-XX
Site: 2004-05-XX
Record Last Updated: 2006-08-21

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.22624º / -122.10698º
UTM: Zone-10 N4231295 E578163
Radius: 1/10 mile
Elevation: 20 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 05 **Qtr:** XX
Meridian: M

Location: JUST EAST OF SUISIN CREEK, ABOUT 0.5 MI SOUTH OF I-80.

Location Detail: NEST IS LOCATED AT THE TOP OF A LIVE OAK TREE.

Ecological: LIVE OAK WOODLAND ADJACENT TO RR TRACKS.

General: 2 ADULTS AND 2 JUVENILES OBSERVED IN MAY 2004.

Owner/Manager: PVT

Elaphrus viridis

Delta green ground beetle

Element Code: IICOL36010

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: RESTRICTED TO THE MARGINS OF VERNAL POOLS IN THE GRASSLAND AREA BETWEEN JEPSON PRAIRIE AND TRAVIS AFB.
Micro: PREFERS THE SANDY MUD SUBSTRATE WHERE IT SLOPES GENTLY INTO THE WATER, WITH LOW-GROWING VEGETATION, 25-100% COVER.

Occurrence No. 2 **Map Index:** 10558 **EO Index:** 23142
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Unknown

Dates Last Seen
Element: 1986-XX-XX
Site: 1986-XX-XX
Record Last Updated: 1991-07-24

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29352º / -121.82053º
UTM: Zone-10 N4239040 E603141
Radius: 1/5 mile
Elevation: 15 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 12 **Qtr:** NW
Meridian: M

Location: 0.6 MI N OF DOZIER.

Ecological: BEETLE USES MUD CRACKS NEAR THE MARGINS OF VERNAL POOLS AS A REFUGIUM.

General: ORIGINAL SITE HAS BEEN PLOWED. 5 SPECIMENS COLLECTED IN 1975 AND 3 ON 11 MAY 1974. 193 SEEN IN 1985, 27 SEEN IN 1986 (FEB & MAR ARE BEST VIEWING TIMES, BUT FLOODED OUT IN 1986).

Owner/Manager: UNKNOWN

Occurrence No. 4 **Map Index:** 10451 **EO Index:** 13327
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Fluctuating

Dates Last Seen
Element: 2002-02-21
Site: 2002-02-21
Record Last Updated: 2005-06-20

Quad Summary: Elmira (3812138/498C), Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26297º / -121.85122º
UTM: Zone-10 N4235616 E600500
Area: 2,150.4 acres
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 22 **Qtr:** XX
Meridian: M

Location: JEPSON PRAIRIE AND VICINITY, SOUTHWEST OF DOZIER.

Location Detail: BEETLES HAVE BEEN OBSERVED AT MANY VERNAL POOLS WITHIN THE SURVEY AREA AND HAVE BEEN OBSERVED HUNDREDS OF METERS FROM VERNAL POOLS. THEY HAVE ALSO BEEN FOUND ALONG THE ROADSIDE SHOULDER OF COOK LANE.

Ecological: THE ENTIRE GRASSLAND/VERNAL POOL MATRIX SHOULD BE CONSIDERED BEETLE HABITAT; QUALITY OF HABITAT RANGES FROM GOOD TO POOR.

Threat: THREATS INCLUDE AGRICULTURAL CONVERSION, HEAVY GRAZING, HOUSING DEVELOPMENT & RAPID SPREAD OF THE WEED LIPIA NODIFLORA.

General: FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. IN 1989, 10 BEETLES SIGHTED AT OLCOTT POOL DURING 9 HRS OF OBSERVATION OVER A PERIOD OF THREE DAYS.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 5 **Map Index:** 41827 **EO Index:** 41827
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-03-11
Site: 1999-03-11
Record Last Updated: 1999-11-01

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29637º / -121.85295º
UTM: Zone-10 N4239321 E600302
Radius: 80 meters
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 10 **Qtr:** NW
Meridian: M

Location: 1.6 MILES WEST OF HWY 113 AND 0.25 MILE SOUTH OF BURKE ROAD, 2 MILES WNW OF DOZIER.

Location Detail: BEETLES OBSERVED FORAGING IN SPARSE VEGETATION ALONG THE DAMP MARGIN OF THE POOL. THIS WAS ONLY SITE SURVEYED, PROBALY OCCURS ON OTHER PLAYAS NEARBY.

Ecological: LARGE, SHALLOW, UNVEGETATED & TURBID VERNAL POOL ON SOLANO LOAM SOILS WITHIN ANTIOCH-SAN YSIDRO COMPLEX; AREA IS LIGHTLY GRAZED BY SHEEP & CATTLE. BRANCHINECTA CONSERVATIO, B. LYNCHI, & LEPIDURUS PACKARDI OBS NEARBY.

General: >7 INDIVIDUALS OBSERVED ON 24 FEB, 2 MAR, AND 11 MAR 1999.

Owner/Manager: PVT-BURKE RANCH

Elaphrus viridis

Delta green ground beetle

Element Code: IICOL36010

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: RESTRICTED TO THE MARGINS OF VERNAL POOLS IN THE GRASSLAND AREA BETWEEN JEPSON PRAIRIE AND TRAVIS AFB.
Micro: PREFERS THE SANDY MUD SUBSTRATE WHERE IT SLOPES GENTLY INTO THE WATER, WITH LOW-GROWING VEGETATION, 25-100% COVER.

Occurrence No. 6 **Map Index:** 61647 **EO Index:** 61683

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-21
Site: 2002-02-21
Record Last Updated: 2005-06-20

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26016º / -121.89766º
UTM: Zone-10 N4235255 E596440
Area: 4.8 acres
Elevation: 37 ft

Mapping Precision SPECIFIC
Symbol Type: POLYGON

Township: 05N
Range: 01E
Section: 20 **Qtr:** XX
Meridian: M

Location: ABOUT 4.6 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOL #11.
General: NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Occurrence No. 7 **Map Index:** 61648 **EO Index:** 61684

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-21
Site: 2002-02-21
Record Last Updated: 2005-06-20

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.25712º / -121.90577º
UTM: Zone-10 N4234910 E595735
Area: 21.7 acres
Elevation: 47 ft

Mapping Precision SPECIFIC
Symbol Type: POLYGON

Township: 05N
Range: 01E
Section: 30 **Qtr:** XX
Meridian: M

Location: ABOUT 5.0 MILES SOUTHWEST OF DOZIER.
Location Detail: TAKEN FROM NORTHEAST AND NORTHWEST EDGES OF VERNAL POOL #12.
General: NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Elaphrus viridis

Delta green ground beetle

Element Code: IICOL36010

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: RESTRICTED TO THE MARGINS OF VERNAL POOLS IN THE GRASSLAND AREA BETWEEN JEPSON PRAIRIE AND TRAVIS AFB.
Micro: PREFERS THE SANDY MUD SUBSTRATE WHERE IT SLOPES GENTLY INTO THE WATER, WITH LOW-GROWING VEGETATION, 25-100% COVER.

Occurrence No. 8 **Map Index:** 61649 **EO Index:** 61685

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-21
Site: 2002-02-21
Record Last Updated: 2005-06-20

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.24766º / -121.88685º
UTM: Zone-10 N4233880 E597403
Area: 23.9 acres
Elevation: 36 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01E
Section: 29 **Qtr:** XX
Meridian: M

Location: ABOUT 4.6 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOL #14.
General: NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Occurrence No. 9 **Map Index:** 61650 **EO Index:** 61686

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-21
Site: 2002-02-21
Record Last Updated: 2005-06-20

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.24640º / -121.88060º
UTM: Zone-10 N4233747 E597951
Area: 3.5 acres
Elevation: 36 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01E
Section: 29 **Qtr:** XX
Meridian: M

Location: ABOUT 4.3 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOL #16.
General: NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Eriogonum truncatum

Mt. Diablo buckwheat

Element Code: PDPGN085Z0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: CHAPARRAL, COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND.
Micro: DRY, EXPOSED CLAY OR SANDY SUBSTRATES. 100-600M.

Occurrence No. 8 **Map Index:** 56465 **EO Index:** 60629

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1888-08-03
Site: 1888-08-03

Record Last Updated: 2005-03-16

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23849º / -122.04013º
UTM: Zone-10 N4232712 E584000
Radius: 3/5 mile
Elevation:

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 05N
Range: 02W
Section: 36 **Qtr:** XX
Meridian: M

Location: SUISUN CITY.
Location Detail: BASED ON COLLECTION FROM "SUISUN" (EARLE SN) AND MAPPED AS BEST GUESS IN THE VICINITY OF SUISUN CITY. EXACT LOCATION UNKNOWN.
General: ONLY SOURCE IS 1888 COLLECTION. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

Fritillaria liliacea

fragrant fritillary

Element Code: PMLIL0V0C0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND, COASTAL PRAIRIE.
Micro: OFTEN ON SERPENTINE; VARIOUS SOILS REPORTED THOUGH USUALLY CLAY, IN GRASSLAND. 3-410M.

Occurrence No. 1 **Map Index:** 10545 **EO Index:** 6793

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-03-31
Site: 1994-03-31
Record Last Updated: 2007-03-30

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27056º / -121.83045º
UTM: Zone-10 N4236482 E602306
Area: 22.0 acres
Elevation: 25 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01E
Section: 23 **Qtr:** NE
Meridian: M

Location: FROM 0.2 TO 1.5 MILES SW OF DOZIER, NEAR SACRAMENTO NORTHERN RR ALONG N, W, AND SW EDGE OF OLCOTT VERNAL LAKE.

Location Detail: MAPPED AS THREE MAIN COLONIES. ALONG EITHER SIDE OF RR TRACKS. PLANTS MAY OCCUR AROUND THE ENTIRE LAKE ACCORDING TO YORK, 1982.

Ecological: VERNAL POOL, GRASSLAND, MIMA MOUNDS. SCATTERED IN SWALES NEAR EDGE OF VERNAL POOL/LAKE. ASSOCIATED WITH BROMUS, ERODIUM, TRIPHYSARIA ERIANTHA, SENECIO VULGARE, DISTICHLIS, AND LACTUCA. SOILS ARE PESCADERO CLAY. LOW RAINFALL IN 1994.

Threat: FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO LAND TRUST ON 8/97. TNC RETAINS CONS. EASEMENT.

General: ON N SIDE OF LAKE, <50 PLANTS OBSERVED IN 1980, <1,000 IN 1982. IN 1983, APPROX. 20 PLANTS ON W AND SW SIDES, <10,000 ON N SIDE; 100+ ON SW SIDE IN 1990; 100+ ON N SIDE IN 1994. POSS. MIS-ID IN 1983 (JENSEN). INCLUDES FORMER EO #2.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 3 **Map Index:** 10555 **EO Index:** 21982

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1983-03-20
Site: 1983-03-20
Record Last Updated: 1995-10-11

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.28101º / -121.82274º
UTM: Zone-10 N4237650 E602966
Radius: 1/5 mile
Elevation: 23 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 05N
Range: 01E
Section: 13 **Qtr:** NW
Meridian: M

Location: ABOUT 0.5 MILE SOUTHWEST OF DOZIER, JUST WEST OF SACRAMENTO NORTHERN RR, ON EAST SIDE OF COOK LANE.

Location Detail: FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97.

Ecological: MIMA MOUNDS AND VERNAL POOL AREA.

Threat: AREA HEAVILY GRAZED.

General: SPECIES SEARCHED FOR BUT NOT FOUND IN 1983.

Owner/Manager: SOLANO LAND TRUST

Fritillaria liliacea

fragrant fritillary

Element Code: PMLIL0V0C0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND, COASTAL PRAIRIE.
Micro: OFTEN ON SERPENTINE; VARIOUS SOILS REPORTED THOUGH USUALLY CLAY, IN GRASSLAND. 3-410M.

Occurrence No. 4 **Map Index:** 10567 **EO Index:** 5642

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Decreasing

Dates Last Seen
Element: 2000-03-19
Site: 2000-03-19
Record Last Updated: 2003-06-17

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26115º / -121.81460º
UTM: Zone-10 N4235455 E603706
Area: 15.4 acres
Elevation: 15 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 24 **Qtr:** S
Meridian: M

Location: JEPSON PRAIRIE, NORTH & WEST OF CALHOUN CUT.

Location Detail: APPROX. 1.2 KM (0.8 MI) SOUTHEAST OF OLCOTT VERNAL LAKE AND 0.8 KM (0.5 MI) WEST OF HWY 113. MAPPED AS MULTIPLE POLYGONS (COLONIES) AT CNDDB.

Ecological: VALLEY BUNCHGRASS GRASSLAND. MIMA TOPOGRAPHY WITH VERNAL SWALES. NASELLA PULCHRA GRASSLAND WITH LOMATIUM, SANICULA BIPINNITAFIDA, ERODIUM, BLENNOSPERMA, ET AL, VARIOUS ANNUAL GRASSES.

Threat: SHEEP GRAZING IS PRESUMED REASON FOR DECLINE IN NUMBER OF PLANTS BETWEEN MARCH 9 & MARCH 20, 1983.

General: APPROX 25-50 PLANTS IN 2 COLONIES IN 1983. APPROX 30 INDIVIDUALS OBS IN 3 DIFFERENT COLONIES IN 2000. FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY OPEN SPACE ON 8/97. TNC RETAINS CONSERVATION EASEMENT.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 42 **Map Index:** 25422 **EO Index:** 19791

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 198X-XX-XX
Site: 198X-XX-XX
Record Last Updated: 1994-05-09

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26231º / -121.83583º
UTM: Zone-10 N4235560 E601847
Radius: 80 meters
Elevation: 25 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 23 **Qtr:** SW
Meridian: M

Location: 2 KM (1.2 MI) SOUTHWEST OF OLCOTT, EAST OF THE RAILROAD TRACKS.

Location Detail: MAPPED IN THE NE 1/4 OF THE SW 1/4 OF SECTION 23. FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97.

Ecological: GRASSLAND.

General: 100+ PLANTS OBSERVED AT THE JEPSON PRAIRIE POPULATIONS IN 1990 (OCCURRENCES #1, 2, AND 4). POPULATIONS OBSERVED SEVERAL TIMES IN YEARS PRIOR TO 1990.

Owner/Manager: SOLANO LAND TRUST

Fritillaria liliacea

fragrant fritillary

Element Code: PMLIL0V0C0

Status	NDDB Element Ranks	Other Lists
Federal: None	**Global:** G2	**CNPS List:** 1B.2
State: None	**State:** S2.2	

Habitat Associations

General: COASTAL SCRUB, VALLEY AND FOOTHILL GRASSLAND, COASTAL PRAIRIE.

Micro: OFTEN ON SERPENTINE; VARIOUS SOILS REPORTED THOUGH USUALLY CLAY, IN GRASSLAND. 3-410M.

Occurrence No. 58 **Map Index:** 51597 **EO Index:** 51597

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-04-16
Site: 1992-04-16
Record Last Updated: 2003-06-19

Quad Summary: Birds Landing (3812127/481A), Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25078º / -121.84363º
UTM: Zone-10 N4234272 E601181
Radius: 1/5 mile
Elevation: 30 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 05N
Range: 01E
Section: 27 **Qtr:** SE
Meridian: M

Location: APPROX 2 MILES SW OF OLCUTT (OLCOTT), JEPSON PRAIRIE, ABOUT 0.45 MILE E OF RIGHT OF WAY OF SACRAMENTO NORTHERN RAILROAD.

Location Detail: MAPPED AS DESCRIBED IN SECTION 27.

Ecological: VERNAL POOLS.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1992 COLLECTION BY TAYLOR. NEEDS FIELDWORK AND BETTER LOCATION INFO.

Owner/Manager: UNKNOWN

Fritillaria pluriflora

adobe-lily

Element Code: PMLIL0V0F0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: CHAPARRAL, CISMONTANE WOODLAND, FOOTHILL GRASSLAND.
Micro: USUALLY ON CLAY SOILS; SOMETIMES SERPENTINE. 55-820M.

Occurrence No. 25 **Map Index:** 45410 **EO Index:** 45410

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1910-02-25
Site: 1910-02-25
Record Last Updated: 2001-08-09

Quad Summary: Dixon (3812147/498A)
County Summary: Solano

Lat/Long: 38.44696º / -121.82208º
UTM: Zone-10 N4256065 E602788
Radius: 1 mile
Elevation:

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 07N
Range: 01E
Section: 13 **Qtr:** XX
Meridian: M

Location: DIXON.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1910 COLLECTION BY HALLAWELL SEED COMPANY. R. POWELL AND CNDDB QUESTION THE IDENTITY OF THIS SPECIMEM; IT MAY BE F. LILIACEA.

Owner/Manager: UNKNOWN

Occurrence No. 26 **Map Index:** 24739 **EO Index:** 45336

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1913-02-22
Site: 1913-02-22
Record Last Updated: 2001-05-11

Quad Summary: Elmira (3812138/498C), Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.35642º / -121.98869º
UTM: Zone-10 N4245845 E588359
Radius: 1 mile
Elevation: 180 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 06N
Range: 01W
Section: 20 **Qtr:** XX
Meridian: M

Location: VACAVILLE.

Location Detail: LOCATION GIVEN AS BENNET'S HILL, VACAVILLE, SOLANO COUNTY. COULD NOT LOCATE BENNET'S HILL; MAPPED IN GENERAL VICINITY OF VACAVILLE.

General: SEEN IN 1913. ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1913 COLLECTION BY JEPSON; NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Geothlypis trichas sinuosa

saltmarsh common yellowthroat

Element Code: ABPBX1201A

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2

Other Lists
CDFG Status: SC

Habitat Associations
General: RESIDENT OF THE SAN FRANCISCO BAY REGION, IN FRESH AND SALT WATER MARSHES.
Micro: REQUIRES THICK, CONTINUOUS COVER DOWN TO WATER SURFACE FOR FORAGING; TALL GRASSES, TULE PATCHES, WILLOWS FOR NESTING.

Occurrence No. 90 **Map Index:** 59862 **EO Index:** 59898

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-12
Site: 2004-06-12
Record Last Updated: 2005-02-04

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.20185º / -122.06517º
UTM: Zone-10 N4228624 E581850
Area:
Elevation: 9 ft

Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON

Township: 04N
Range: 02W
Section: 10 **Qtr:** XX
Meridian: M

Location: FROM JUST NORTH OF, TO 0.5 MILE SW OF BOYNTON SLOUGH, 3 MILES SOUTH OF FAIRFIELD

Location Detail: LOCATION MAPPED ACCORDING TO UTM COORDINATES. A PORTION OF THIS SITE IS PARALLEL TO THE WEST SIDE OF THE RAILROAD TRACKS.

Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SALICORNIA VIRGINICA, SCIRPUS SPP., AND TYPHA SPP. CURRENT/SURROUNDING LAND USE: AGRICULTURE.

General: 4-11 DETECTED AT EACH OF 5 DIFFERENT POINTS ON 12 JUN 2004.

Owner/Manager: DFG-GRIZZLY ISLAND WA, UNKNOWN

Occurrence No. 91 **Map Index:** 59858 **EO Index:** 59894

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-13
Site: 2004-06-13
Record Last Updated: 2005-02-04

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23771º / -122.02232º
UTM: Zone-10 N4232642 E585560
Area: 12.7 acres
Elevation: 9 ft

Mapping Precision SPECIFIC
Symbol Type: POLYGON

Township: 05N
Range: 01W
Section: 31 **Qtr:** NW
Meridian: M

Location: APPROXIMATELY 0.5 MILE NORTH OF DUCK SLOUGH, EAST OF SUISUN CITY.

Location Detail: MAPPED ACCORDING TO UTM COORDINATES GIVEN.

Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SALICORNIA VIRGINICA, SCIRPUS SPP., AND TYPHA SPP.. CURRENT/SURROUNDING LAND USE: AGRICULTURE.

General: 1 DETECTION AT EACH OF TWO POINTS ON 13 JUN 2004.

Owner/Manager: DFG-HILL SLOUGH WA

Occurrence No. 92 **Map Index:** 59866 **EO Index:** 59902

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-06
Site: 2004-05-06
Record Last Updated: 2005-02-04

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19973º / -122.02908º
UTM: Zone-10 N4228421 E585012
Area: 97.7 acres
Elevation: 9 ft

Mapping Precision SPECIFIC
Symbol Type: POLYGON

Township: 04N
Range: 02W
Section: 13 **Qtr:** XX
Meridian: M

Location: AREA EAST OF FIRST MALLARD BRANCH, WEST OF POTRERO HILLS, 3 MILES SSE OF FAIRFIELD.

Location Detail: MAPPED ACCORDING TO UTM COORDINATES.

Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SALICORNIA VIRGINICA, SCIRPUS SPP., AND TYPHA SPP.. CURRENT/SURROUNDING LAND USE: AGRICULTURE.

General: 1-3 DETECTED AT EACH OF 10 DIFFERENT POINTS. 6 POINTS SAMPELED ON 22 MAR AND 6 MAY 2004. 1 POINT SAMPLED ONLY ON 22 MAR AND 3 POINTS SAMPLED ONLY ON 6 MAY 2004. 1 NEST ALSO DETECTED IN 2004.

Owner/Manager: UNKNOWN

Geothlypis trichas sinuosa

saltmarsh common yellowthroat

Element Code: ABPBX1201A

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2

Other Lists
CDFG Status: SC

Habitat Associations
General: RESIDENT OF THE SAN FRANCISCO BAY REGION, IN FRESH AND SALT WATER MARSHES.
Micro: REQUIRES THICK, CONTINUOUS COVER DOWN TO WATER SURFACE FOR FORAGING; TALL GRASSES, TULE PATCHES, WILLOWS FOR NESTING.

Occurrence No. 93 **Map Index:** 59861 **EO Index:** 59897
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-12
Site: 2004-06-12
Record Last Updated: 2005-02-04

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19031º / -122.06366º
UTM: Zone-10 N4227345 E581996
Area:
Elevation: 9 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02W
Section: 14 **Qtr:** XX
Meridian: M

Location: AREA 0.25 MI EAST OF JACKSNIPE AND WEST OF SUISUN SLOUGH, 3.8 MILES SOUTH OF FAIRFIELD
Location Detail: MAPPED ACCORDING TO UTM COORDINATES GIVEN.
Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SALICORNIA VIRGINICA, SCIRPUS SPP., AND TYPHA SPP.. CURRENT/SURROUNDING LAND USE: AGRICULTURE.
General: 1-3 DETECTED AT EACH OF 5 DIFFERENT POINTS ON 12 JUN 2004.
Owner/Manager: UNKNOWN

Occurrence No. 109 **Map Index:** 60116 **EO Index:** 60152
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-26
Site: 2004-05-26
Record Last Updated: 2005-02-18

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.17679º / -121.91308º
UTM: Zone-10 N4225989 E595199
Radius: 80 meters
Elevation: 8 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01E
Section: 19 **Qtr:** NW
Meridian: M

Location: NORTH OF A SLOUGH ENTERING NURSE SLOUGH AT THE SOUTH END OF LITTLE HONKER BAY.
Location Detail: LOCATION MAPPED ACCORDING TO UTM COORDINATES GIVEN.
Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SCIRPUS SPP., TYPHA SPP., AND SALICORNIA VIRGINICA.
General: 1 BREEDING INDIVIDUAL DETECTED ON 26 MAY 2004.
Owner/Manager: UNKNOWN

Occurrence No. 110 **Map Index:** 60125 **EO Index:** 60161
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-26
Site: 2004-05-26
Record Last Updated: 2005-02-22

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.17963º / -121.90735º
UTM: Zone-10 N4226310 E595698
Area:
Elevation: 8 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01E
Section: 19 **Qtr:** NW
Meridian: M

Location: SOUTH SIDE OF THE MOUTH OF A SLOUGH ENTERING THE NE SIDE OF LITTLE HONKER BAY.
Location Detail: LOCATION MAPPED ACCORDING TO UTM COORDINATES GIVEN.
Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SCIRPUS SPP., TYPHA SPP., AND SALICORNIA VIRGINICA.
General: 2 DETECTIONS ON 26 MAY 2004. SITE USED FOR BREEDING.
Owner/Manager: UNKNOWN

Geothlypis trichas sinuosa

saltmarsh common yellowthroat

Element Code: ABPBX1201A

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2

Other Lists
CDFG Status: SC

Habitat Associations
General: RESIDENT OF THE SAN FRANCISCO BAY REGION, IN FRESH AND SALT WATER MARSHES.
Micro: REQUIRES THICK, CONTINUOUS COVER DOWN TO WATER SURFACE FOR FORAGING; TALL GRASSES, TULE PATCHES, WILLOWS FOR NESTING.

Occurrence No. 111 **Map Index:** 60142 **EO Index:** 60178
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-16
Site: 2004-06-16
Record Last Updated: 2005-02-22

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.17177º / -121.96355º
UTM: Zone-10 N4225381 E590785
Radius: 80 meters
Elevation: 4 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01W
Section: 22 **Qtr:** SW
Meridian: M

Location: JUST SOUTH SIDE OF MONTEZUMA SLOUGH, BETWEEN ISLAND AND FROST SLOUGHS, JUST EAST THE GRIZZLY ISLAND WILDLIFE AREA.
Location Detail: LOCATION MAPPED ACCORDING TO UTM COORDINATES GIVEN.
Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SCIRPUS SPP., TYPHA SPP., AND SALICORNIA VIRGINICA.
General: 1 DETECTION ON 16 JUNE 2004. SITE USED FOR BREEDING.
Owner/Manager: DFG-GRIZZLY ISLAND WA, UNKNOWN

Occurrence No. 112 **Map Index:** 60147 **EO Index:** 60183
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-16
Site: 2004-06-16
Record Last Updated: 2005-02-22

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.16762º / -121.96807º
UTM: Zone-10 N4224916 E590395
Area:
Elevation: 0 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 27 **Qtr:** NW
Meridian: M

Location: ABOUT 0.4 MI SOUTH OF MONTEZUMA SLOUGH, BETWEEN ISLAND AND FROST SLOUGHS, JUST EAST OF GRIZZLY ISLAND WA.
Location Detail: LOCATION MAPPED ACCORDING TO UTM COORDINATES GIVEN.
Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SCIRPUS SPP., TYPHA SPP., AND SALICORNIA VIRGINICA.
General: 1 DETECTION AT EACH OF 2 DIFFERENT POINTS ON 16 JUNE 2004. SITE USED FOR BREEDING.
Owner/Manager: UNKNOWN

Occurrence No. 113 **Map Index:** 60148 **EO Index:** 60184
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-16
Site: 2004-06-16
Record Last Updated: 2005-02-22

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.16201º / -121.96711º
UTM: Zone-10 N4224295 E590485
Radius: 80 meters
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01W
Section: 27 **Qtr:** NW
Meridian: M

Location: ABOUT 0.7 MI SOUTH OF MONTEZUMA SLOUGH, BETWEEN ISLAND AND FROST SLOUGHS, EAST OF GRIZZLY ISLAND WA.
Location Detail: LOCATION MAPPED ACCORDING TO UTM COORDINATES GIVEN.
Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SCIRPUS SPP., TYPHA SPP., AND SALICORNIA VIRGINICA.
General: 1 DETECTED ON 16 JUNE 2004. SITE USED FOR BREEDING.
Owner/Manager: UNKNOWN

Geothlypis trichas sinuosa

saltmarsh common yellowthroat

Element Code: ABPBX1201A

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2

Other Lists
CDFG Status: SC

Habitat Associations
General: RESIDENT OF THE SAN FRANCISCO BAY REGION, IN FRESH AND SALT WATER MARSHES.
Micro: REQUIRES THICK, CONTINUOUS COVER DOWN TO WATER SURFACE FOR FORAGING; TALL GRASSES, TULE PATCHES, WILLOWS FOR NESTING.

Occurrence No. 114 **Map Index:** 60149 **EO Index:** 60185
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-25
Site: 2004-06-25
Record Last Updated: 2005-02-24

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.19002º / -121.90834º
UTM: Zone-10 N4227462 E595597
Area:
Elevation: 4 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 04N
Range: 01E
Section: 18 **Qtr:** XX
Meridian: M

Location: ALONG SLOUGH (DENVERTON SLOUGH?) ALONG EAST SIDE OF BRADMOOR ISLAND.
Location Detail: LOCATION MAPPED ACCORDING TO UTM COORDINATES GIVEN.
Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SCIRPUS SPP., TYPHA SPP., AND SALICORNIA VIRGINICA.
General: 1 TO 4 DETECTED AT EACH OF 8 DIFFERENT POINTS ON 25 JUNE 2004.
Owner/Manager: UNKNOWN

Occurrence No. 116 **Map Index:** 66304 **EO Index:** 66408
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-02-06
Site: 2006-02-06
Record Last Updated: 2006-09-25

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23905º / -122.04768º
UTM: Zone-10 N4232768 E583339
Area:
Elevation: 5 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 02W
Section: 35 **Qtr:** NE
Meridian: M

Location: EAST OF SOUTH PENNSYLVANIA AVENUE, BETWEEN CORDELIA STREET AND HIGHWAY 12, SOUTH OF FAIRFIELD AND WEST OF SUISUN CITY.
Location Detail: SITE IS SURROUNDED BY SUBURBAN DEVELOPMENT TO THE NORTH AND EAST, PASTURE LAND AND LIGHT INDUSTRIAL TO THE WEST, AND PASTURE LAND AND ESTUARY TO THE SOUTH.
Ecological: HABITAT CONSISTS OF NON-NATIVE GRASSLAND, SEASONAL/PERENNIAL MARSHES, VERNAL POOLS, SEASONALLY-SATURATED GRASSLAND, RIPARIAN WETLANDS, AND DRAINAGE CHANNELS.
Threat: THREATENED BY PROPOSED DEVELOPMENT.
General: 2 ADULTS OBSERVED ON 6 FEB 2006 IN A SMALL REMNANT SLOUGH CHANNEL IN EMERGENT VEGETATION..
Owner/Manager: UNKNOWN

Gratiola heterosepala

Boggs Lake hedge-hyssop

Element Code: PDSCR0R060

Status
Federal: None
State: Endangered

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: MARSHES AND SWAMPS (FRESHWATER), VERNAL POOLS.
Micro: CLAY SOILS; USUALLY IN VERNAL POOLS, SOMETIMES ON LAKE MARGINS. 5-2400M.

Occurrence No. 36 **Map Index:** 10538 **EO Index:** 6799

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1995-05-11
Site: 1995-05-11
Record Last Updated: 1995-12-27

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26665º / -121.82774º
UTM: Zone-10 N4236051 E602548
Area: 18.8 acres
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 23 **Qtr:** NE
Meridian: M

Location: S OF OLCOTT LAKE, 0.2 MI W OF COOK LANE. JEPSON PRAIRIE.

Location Detail: FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONS. EASEMENT.

Ecological: SMALL PLAYA-TYPE POOL IN PESCADERO-CLAY SOIL. WITH ELEOCHARIS MACROSTACHYA, LASTHENIA GLABERRIMA, L. FREMONTII, & PSILOCARPHUS BREVISSIMUS. DOWNINGIA PUSILLA ALSO IN POOL (ALSO RARE). LEGENERE LIMOSA NEARBY.

Threat: HEAVY SHEEP GRAZING IN 1992.

General: 10,000 PLANTS ESTIMATED IN 1991 AND 1992, A MILLION ESTIMATED IN 1993 AND 1995.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 37 **Map Index:** 23976 **EO Index:** 7235

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-05-04
Site: 1992-05-04
Record Last Updated: 1993-08-11

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27166º / -121.83490º
UTM: Zone-10 N4236599 E601915
Radius: 80 meters
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 14 **Qtr:** SW
Meridian: M

Location: 0.25 MI W OF OLCOTT LAKE AND RAILROAD TRACKS. 0.5 MI S OF UNNAMED GRAVEL RD.

Ecological: SMALL PLAYA POOL W/ELEOCHARIS MACROSTACHYA/LASTHENIA GLABERRIMA IN CENTER OF POOL & LASTHENIA FREMONTII/PSILOCARPHUS BREVISSIMUS ON MARGIN. GRATIOLA FOUND IN SPARSELY VEGETATED AREA W/ERYNGIUM ARISTULATUM,

General: APPROX 200 PLANTS IN 1991. PARCEL WAS FOR SALE AT THAT TIME.

Owner/Manager: PVT

Occurrence No. 38 **Map Index:** 23975 **EO Index:** 7236

Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-05-06
Site: 1993-05-06
Record Last Updated: 1994-07-10

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27737º / -121.83950º
UTM: Zone-10 N4237227 E601505
Radius: 80 meters
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 14 **Qtr:** SW
Meridian: M

Location: APPROX 0.75 MI W OF JUNCTION OF RAILROAD TRACKS AND COOK LANE, NW OF OLCOTT LAKE, JUST S OF UNNAMED GRAVEL ROAD.

Ecological: SMALL PLAYA-TYPE VERNAL POOL WITH PLAGIOBOTHRYS BRACTEATUS & ERYNGIUM ARISTULATUM. GRATIOLA IN SPARSELY VEGETATED AREAS WITH DOWNINGIA CUSPIDATA, LILAEA SCILLOIDES, & ELATINE CALIFORNICA.

Threat: EVIDENCE OF HEAVY GRAZING IN 1993-VERY LITLE VEGETATION GROWING IN MUDDY HOOFPRINTS; NO GRATIOLA FOUND.

General: TENS OF THOUSANDS OF PLANTS IN 1991 AND 1992. PARCEL WAS FOR SALE IN 1993.

Owner/Manager: PVT

Gratiola heterosepala

Boggs Lake hedge-hyssop

Element Code: PDSCR0R060

Status
Federal: None
State: Endangered

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 1B.2

Habitat Associations
General: MARSHES AND SWAMPS (FRESHWATER), VERNAL POOLS.
Micro: CLAY SOILS; USUALLY IN VERNAL POOLS, SOMETIMES ON LAKE MARGINS. 5-2400M.

Occurrence No. 39 **Map Index:** 23978 **EO Index:** 12812
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-05-03
Site: 1991-05-03
Record Last Updated: 1993-08-16

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.28808º / -121.86253º
UTM: Zone-10 N4238390 E599476
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 09 **Qtr:** SE
Meridian: M

Location: END OF DALLY ROAD, S OF HAY ROAD. 0.1 MI N OF SACRAMENTO NORTHERN RAILROAD AND 2.1 MI W OF HWY 113.

Ecological: IN SPARSELY VEGETATED PORTION OF SMALL PLAYA-TYPE VERNAL POOL WITH LASTHENIA GLABERRIMA, PLEUROPOGON CALIFORNICUS, ELEOCHARIS MACROSTACHYA AND DOWNINGIA CUSPIDATA. OTHER RARE PLANTS IN POOL: DOWNINGIA PUSILLA, AND MYOSURUS MINIMUS APUS.

Threat: POTENTIALLY THREATENED BY PROPOSED PGE-PGT PIPELINE REROUTE AROUND JEPSON PRAIRIE. CATTLE GRAZING COULD ALSO THREATEN.

General: OVER 100 PLANTS IN 1991.

Owner/Manager: PVT

Occurrence No. 40 **Map Index:** 23979 **EO Index:** 7229
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-05-02
Site: 1991-05-02
Record Last Updated: 2005-09-29

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25652º / -121.84455º
UTM: Zone-10 N4234908 E601092
Radius: 80 meters
Elevation: 28 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 27 **Qtr:** NE
Meridian: M

Location: 2.5 MILES SW OF DOZIER, JUST WEST OF SACRAMENTO NORTHERN RAILROAD, JUST SOUTH OF JEPSON PRAIRIE.

Ecological: IN LESS DENSELY VEGETATATED PORTIONS OF SMALL PLAYA-TYPE POOL WITH ELEOCHARIS MACROSTACHYA, LASTHENIA GLABERRIMA, L. FREMONTII, DESCHAMPSIA DANTHONIOIDES, ALLOCARYA STIPITATA, & THE RARE CUSCUTA HOWELLIANA & LEPIDIUM LATIPES.

Threat: POTENTIALLY THREATENED BY PROPOSED PGE-PGT PIPELINE REROUTE AROUND JEPSON PRAIRIE. SHEEP GRAZING COULD ALSO THREATEN.

General: THOUSANDS OF PLANTS IN 1991.

Owner/Manager: PVT

Occurrence No. 92 **Map Index:** 62766 **EO Index:** 62820
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-03
Site: 2002-04-03
Record Last Updated: 2005-09-30

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29480º / -121.79912º
UTM: Zone-10 N4239207 E605012
Radius: 1/10 mile
Elevation: 15 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02E
Section: 07 **Qtr:** NW
Meridian: M

Location: 1.2 AIR MILES ENE OF DOZIER. GRIDLEY RANCH. POOL GRI001.

Ecological: GRASSLAND / VERNAL POOL COMPLEX. EDGE OF PLAYA POOL ON PESCADERO CLAY SOIL SERIES. ASSOC WITH PLAGIOBOTHRYS UNDULATUS AND NAVARRETIA LEUCOCEPHALA BAKERI.

General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2002 COLLECTION BY THE VERNAL POOL TEAM.

Owner/Manager: UNKNOWN

Hesperolinon breweri

Brewer's western flax

Element Code: PDLIN01030

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: CHAPARRAL, CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.
Micro: OFTEN IN ROCKY SERPENTINE SOIL IN SERPENTINE CHAPARRAL AND SERPENTINE GRASSLAND. 30-885M.

Occurrence No. 10 **Map Index:** 09735 **EO Index:** 18644
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1892-06-20
Site: 1892-06-20
Record Last Updated: 2001-10-23

Quad Summary: Fairfield North (3812231/499D), Mt. Vaca (3812241/499A)
County Summary: Solano

Lat/Long: 38.38587º / -122.06561º
UTM: Zone-10 N4249043 E581605
Radius: 1 mile
Elevation:
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02W
Section: 10 **Qtr:** XX
Meridian: M

Location: GATES CYN, VACA MTNS.

General: ONLY SOURCES OF INFORMATION FOR THIS SITE ARE 1884 AND 1892 COLLECTIONS BY JEPSON AND UNDATED ARCVIEW SHAPEFILE OF RARE PLANT LOCATIONS FROM NAPA COUNTY CNPS; NEEDS FIELDWORK.

Owner/Manager: PVT

Occurrence No. 11 **Map Index:** 09702 **EO Index:** 18643
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1891-06-01
Site: 1891-06-01
Record Last Updated: 2001-10-23

Quad Summary: Mt. Vaca (3812241/499A)
County Summary: Solano

Lat/Long: 38.41210º / -122.08460º
UTM: Zone-10 N4251937 E579918
Radius: 1 mile
Elevation:
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02W
Section: 33 **Qtr:** XX
Meridian: M

Location: WELDON CYN (MIX CYN), VACA MTS.

General: ONLY SOURCES OF INFORMATION FOR THIS SITE ARE 1891 COLLECTION BY JEPSON AND UNDATED ARCVIEW SHAPEFILE OF RARE PLANT LOCATIONS FROM NAPA COUNTY CNPS; NEEDS FIELDWORK.

Owner/Manager: PVT

Occurrence No. 12 **Map Index:** 09670 **EO Index:** 18645
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1997-05-12
Site: 1997-05-12
Record Last Updated: 2000-04-25

Quad Summary: Mt. Vaca (3812241/499A)
County Summary: Solano

Lat/Long: 38.43426º / -122.10197º
UTM: Zone-10 N4254381 E578378
Radius: 80 meters
Elevation: 1,650 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 02W
Section: 20 **Qtr:** SE
Meridian: M

Location: MILLER CANYON, ABOUT 2.3 MILES NORTH OF MT. VACA, VACA MOUNTAINS.

Location Detail: SOUTHERLY FACING SLOPES IN UPPER CANYON. ON EDGES OF NARROW TRAIL. MAPPED WITHIN THE SW 1/4 OF SE 1/4 OF SECTION 20.

Ecological: MARGIN OF LITTLE TRAVELED ROADWAY. ASSOCIATED WITH SPARSE VULPIA BROMOIDES. BORDERING ADENOSTOMA FASCICULATUM CHAPARRAL. HESPEROLINON MICRANTHUM ALSO PRESENT AT THIS SITE. ON SANDSTONE SUBSTRATES.

Threat: RECENT BULLDOZER WORK ON THE ROAD DESTROYED SOME PLANTS. PARCEL IS UNDER CONSIDERATION FOR LAND EXCHANGE.

General: 500 PLANTS OBSERVED IN 1997. COLONY IS DEPENDENT ON OPEN AREAS MAINTAINED ALONG FIRE ROAD. 1897 COLLECTION BY JEPSON (#13534 JEPS) ATTRIBUTED TO THIS SITE.

Owner/Manager: PVT

Hesperolinon breweri

Brewer's western flax

Element Code: PDLIN01030

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: CHAPARRAL, CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.
Micro: OFTEN IN ROCKY SERPENTINE SOIL IN SERPENTINE CHAPARRAL AND SERPENTINE GRASSLAND. 30-885M.

Occurrence No. 20 **Map Index:** 42825 **EO Index:** 42825

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1891-06-19
Site: 1891-06-19
Record Last Updated: 2000-04-25

Quad Summary: Mt. George (3812232/499C), Fairfield North (3812231/499D)
County Summary: Solano, Napa

Lat/Long: 38.32267º / -122.13485º
UTM: Zone-10 N4241971 E575624
Radius: 1 mile
Elevation:

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 06N
Range: 03W
Section: 36 **Qtr:** XX
Meridian: M

Location: UPPER SUISUN VALLEY.
Location Detail: UPPER VALLEY, ON HILLS. MAPPED AS BEST GUESS BY CNDDB.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IN 1891 COLLECTION BY JEPSON.
Owner/Manager: UNKNOWN

Hibiscus lasiocarpus

woolly rose-mallow

Element Code: PDMAL0H0Q0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4
State: S2.2

Other Lists
CNPS List: 2.2

Habitat Associations
General: MARSHES AND SWAMPS (FRESHWATER).
Micro: MOIST, FRESHWATER-SOAKED RIVER BANKS & LOW PEAT ISLANDS IN SLOUGHS; IN CALIF., KNOWN FROM THE DELTA WATERSHED. 0-150M.

Occurrence No. 36 **Map Index:** 10841 **EO Index:** 20816
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1891-09-16
Site: 1974-07-15
Record Last Updated: 1989-08-11

Quad Summary: Rio Vista (3812126/480B)
County Summary: Solano

Lat/Long: 38.14963º / -121.69328º
UTM: Zone-10 N4223223 E614495
Radius: 1/5 mile
Elevation:
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 04N
Range: 03E
Section: 31 **Qtr:** XX
Meridian: M

Location: SACRAMENTO RIVER NEAR RIO VISTA.
General: SPECIES SEEN IN 1887 AND 1891. ALSO SEEN AT THIS LOCATION BY HOOD (DATE UNKNOWN).
Owner/Manager: PVT

Occurrence No. 142 **Map Index:** 63324 **EO Index:** 63416
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-24
Site: 2005-08-24
Record Last Updated: 2005-12-06

Quad Summary: Liberty Island (3812136/497C)
County Summary: Solano

Lat/Long: 38.31859º / -121.74364º
UTM: Zone-10 N4241910 E609827
Area: 30.7 acres
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 06N
Range: 02E
Section: 34 **Qtr:** SE
Meridian: M

Location: ALONG SOUTHERN EDGE OF HASS SLOUGH, ON NORTH SIDE OF PETERS POCKET; 1.0-1.4 MI NORTHWEST OF DUCK SLOUGH.
Ecological: SCATTERED INDIVIDUALS ALONG SLOUGH BANK RIGHT AT WATER LINE. FOUND WITH POLYGONUM PUNCTATUM, SCIRPUS ACUTUS, JUNCUS XIPHIOIDES, MENTHA ARVENSIS, PLUCHEA ORDORATA, AND ROSA CALIFORNICA.
Threat: GRAZING IN AREA, BUT CATTLE SEEM TO AVOID THIS PLANT.
General: ABOUT 10 INDIVIDUALS OBSERVED IN 2005.
Owner/Manager: PVT

Hydrochara rickseckeri

Ricksecker's water scavenger beetle

Element Code: IICOL5V010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1G2
State: S1S2

Other Lists
CDFG Status:

Habitat Associations
General: AQUATIC.
Micro:

Occurrence No. 4 **Map Index:** 30008 **EO Index:** 4689

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-05-09
Site: 1993-05-09
Record Last Updated: 1997-01-21

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27077º / -121.82372º
UTM: Zone-10 N4236512 E602894
Radius: 2/5 mile
Elevation: 15 ft

Mapping Precision NON-SPECIFIC
Symbol Type: POINT

Township: 05N
Range: 01E
Section: 24 **Qtr:** XX
Meridian: M

Location: OLCOTT LAKE, JEPSON PRAIRIE.

Location Detail: FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONS. EASEMENT.

Ecological: HABITAT CONSISTS OF A VERNAL POOL MEASURING 0.25 X 0.50 MILE, BISECTED BY A ROAD. OTHER RARE TAXA FOUND AT THIS SITE INCLUDE DELTA GREEN GROUND BEETLE, CONSERVANCY FAIRY SHRIMP, VERNAL POOL TADPOLE SHRIMP, AND SOLANO GRASS.

General: THE BEETLE LANDED ON A PERSON STANDING ON COOK LANE, BETWEEN THE TWO PARTS OF OLCOTT LAKE (VERNAL POOL).

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 12 **Map Index:** 61645 **EO Index:** 61681

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-02
Site: 2002-04-02
Record Last Updated: 2005-06-20

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26893º / -121.85760º
UTM: Zone-10 N4236272 E599933
Radius: 1/10 mile
Elevation: 35 ft

Mapping Precision NON-SPECIFIC
Symbol Type: POINT

Township: 05N
Range: 01E
Section: 22 **Qtr:** XX
Meridian: M

Location: ABOUT 2.5 MILES SOUTHWEST OF DOZIER.

Location Detail: TAKEN FROM POOL 30; NOT SHOWN ON SOURCE DOCUMENT MAP, BUT LISTED IN TABLE WITH UTM COORDINATES.

General: POOL HAS AN IRREGULAR MARGIN.

Owner/Manager: UNKNOWN

Occurrence No. 13 **Map Index:** 62152 **EO Index:** 62188

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-03-21
Site: 2005-03-21
Record Last Updated: 2005-08-02

Quad Summary: Dozier (3812137/498D), Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28623º / -121.86857º
UTM: Zone-10 N4238179 E598950
Area: 317.8 acres
Elevation: 60 ft

Mapping Precision SPECIFIC
Symbol Type: POLYGON

Township: 05N
Range: 01E
Section: 09 **Qtr:** XX
Meridian: M

Location: ALONG SACRAMENTO NORTHERN RAILROAD RIGHT-OF-WAY, BETWEEN MERIDIAN RD. AND RT. 113

Ecological: TAKEN FROM LINEAR VERNAL POOLS & SEASONAL WETLANDS ALONG THE RIGHT-OF-WAY.

General: 10 ADULTS & NUMEROUS LARVA OBSERVED.

Owner/Manager: DOD-TRAVIS AFB

Icteria virens

yellow-breasted chat

Element Code: ABPBX24010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5
State: S3

Other Lists
CDFG Status: SC

Habitat Associations
General: SUMMER RESIDENT; INHABITS RIPARIAN THICKETS OF WILLOW & OTHER BRUSHY TANGLES NEAR WATERCOURSES.
Micro: NESTS IN LOW, DENSE RIPARIAN, CONSISTING OF WILLOW, BLACKBERRY, WILD GRAPE; FORAGES AND NESTS WITHIN 10 FT OF GROUND.

Occurrence No. 70 **Map Index:** 09819 **EO Index:** 24858

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1987-04-24
Site: 1987-04-24
Record Last Updated: 1989-08-10

Quad Summary: Mt. Vaca (3812241/499A)
County Summary: Solano

Lat/Long: 38.48073º / -122.03914º
UTM: Zone-10 N4259592 E583808
Radius: 1/5 mile
Elevation: 500 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 07N
Range: 02W
Section: 01 **Qtr:** SW
Meridian: M

Location: 0.6 MI NW ON DIRT ROAD THAT IS 0.7 MI S OF JCT OF HWY 128 & PLEASANTS VALLEY ROAD.
Location Detail: CHAT HEARD IN BRAMBLES OF RIPARIAN AREA WITH OAK TREES AND LARGE COTTONWOODS AND MANY VINY TYPE PLANTS.
Ecological: PROPERTY INCL HORSE RANCH, HAY FIELDS AND VINYARDS.
Threat: HILLSIDES & RIPARIAN AREAS ARE MINIMALLY DISTURBED, ADJACENT AREAS ARE CULTIVATED HAY FIELDS & PRIVATE RESIDENCES.
Owner/Manager: PVT

Isocoma arguta

Carquinez goldenbush

Element Code: PDAST57050

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND.
Micro: ALKALINE SOILS, FLATS, LOWER HILLS. ON LOW BENCHES NEAR DRAINAGES & ON TOPS & SIDES OF MOUNDS IN SWALE HABITAT. 1-20M.

Occurrence No. 1 **Map Index:** 22110 **EO Index:** 8266
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-09-27
Site: 1992-09-27
Record Last Updated: 1995-10-30

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.13144º / -121.88448º
UTM: Zone-10 N4220986 E597765
Area: 19.2 acres
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 03N
Range: 01E
Section: 05 **Qtr:** SE
Meridian: M

Location: ON BIRDS LANDING ROAD, 0.6 MI W OF BIRDS LANDING. 0.2-0.6 MI E OF WATER TANK IN SECTION 5.

Location Detail: MOST PLANTS JUST S OF ROAD, ABOUT 150 PLANTS 0.1 MI S OF ROAD, AND A FEW PLANTS JUST N OF ROAD.

Ecological: ON LOW BENCHES ADJACENT TO SEASONAL DRAINAGE, IN SILTY CLAY SOIL WITH BROMUS DIANDRUS, DISTICHLIS SPICATA, LACTUCA SERRIOLA, HAPLOPAPPUS RACEMOSUS, HEMIZONIA PUNGENS, JUNCUS MEXICANUS, AND ANEMOPSIS CALIFORNICA.

Threat: SITE USED AS HUNTING CLUB; PERSON SEEN SPOT SPRAYING HERBICIDE TO MANAGE DUCK HABITAT (1991).

General: 200 PLANTS SEEN IN 1991, 760 PLANTS SEEN IN 1992 (MORE THOROUGH SEARCH MADE). MAY BE PROTECTED AS A MITIGATION MEASURE OF THE MONTEZUMA WETLANDS RESTORATION PROJECT. MAPPED AS 3 POLYGONS.

Owner/Manager: PVT-CATELLUS CORP

Occurrence No. 2 **Map Index:** 22109 **EO Index:** 8268
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1965-10-12
Site: 1991-10-10
Record Last Updated: 1992-12-29

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.24248º / -121.88556º
UTM: Zone-10 N4233306 E597523
Radius: 1/5 mile
Elevation: 40 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 29 **Qtr:** SE
Meridian: M

Location: 1.8 MI W OF CREED STATION, ALONG CREED ROAD. 1.5 AIRMI NNE OF DENVERTON.

Ecological: NEARLY BARREN ALKALI SLOPES ABOVE LARGE INTERMITTENT LAKE.

General: NO PLANTS SEEN FROM THE ROADSIDE IN 1992.

Owner/Manager: UNKNOWN

Occurrence No. 3 **Map Index:** 22103 **EO Index:** 8265
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-10-10
Site: 1992-10-10
Record Last Updated: 1992-12-29

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.23904º / -121.84276º
UTM: Zone-10 N4232970 E601273
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 34 **Qtr:** NE
Meridian: M

Location: GOOSE HAVEN ROAD, 0.2 MI S OF CREED ROAD.

Location Detail: ON FENCELINE.

General: 1 PLANT SEEN IN 1992.

Owner/Manager: UNKNOWN

Isocoma arguta

Carquinez goldenbush

Element Code: PDAST57050

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND.
Micro: ALKALINE SOILS, FLATS, LOWER HILLS. ON LOW BENCHES NEAR DRAINAGES & ON TOPS & SIDES OF MOUNDS IN SWALE HABITAT. 1-20M.

Occurrence No. 4 **Map Index:** 22104 **EO Index:** 17322

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-10-10
Site: 1992-10-10
Record Last Updated: 1995-02-14

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.24152º / -121.80610º
UTM: Zone-10 N4233286 E604478
Radius: 80 meters
Elevation: 20 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 36 **Qtr:** NE
Meridian: M

Location: W SIDE OF HWY 113 (RIO-DIXON ROAD) JUST S OF CREED ROAD JUNCTION.

Ecological: ATRIPLEX CORDULATA ALSO MAPPED HERE.

Threat: RECENT SHOULDER WORK HAD DAMAGED AT LEAST 1 PLANT IN 1992.

General: ABOUT 35 PLANTS SEEN IN 1992. ALSO COLLECTED HERE IN 1959 BY ROBBINS. LABEL SAYS "HASTINGS ISLAND JCT, 3.1 MI S OF THE JCT. 0.7 MI E OF DOZIER STATION."

Owner/Manager: UNKNOWN, CALTRANS

Occurrence No. 5 **Map Index:** 22222 **EO Index:** 7630

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1959-12-08
Site: 1959-12-08
Record Last Updated: 1994-04-28

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.33798º / -121.82333º
UTM: Zone-10 N4243970 E602833
Radius: 1/5 mile
Elevation: 25 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01E
Section: 25 **Qtr:** NW
Meridian: M

Location: ABOUT 4 MI N OF DOZIER STATION ALONG HWY 113 (WHERE THE ULATIS CREEK CROSSES HWY 113).

Ecological: ON ALKALI VALLEY PLAIN.

General: THIS SITE WAS NOT CHECKED BY ERTTER IN 1992. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Occurrence No. 6 **Map Index:** 32620 **EO Index:** 1557

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-09-20
Site: 1994-09-20
Record Last Updated: 1995-09-08

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22897º / -121.93439º
UTM: Zone-10 N4231757 E593267
Radius: 80 meters
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01W
Section: 35 **Qtr:** SE
Meridian: M

Location: ON N SIDE OF HWY 12, 2 AIRMI WNW OF DENVERTON, 1 AIRMI W OF MT DIABLO MERIDIAN.

Location Detail: PLANTS FOUND ON THE TOPS AND SIDES OF THE LARGER MOUNDS; NOT IN THE SWALES BETWEEN THE MOUNDS.

Ecological: IN HUMMOCKY ANNUAL GRASSLAND WITH MOUNDS SURROUNDED BY VERNALLY WET SWALES. IN SOLANO LOAM SOIL. ASSOCIATED WITH BROMUS, DISTICHLIS SPICATA, AVENA, AND HEMIZONIA.

Threat: SITE CURRENTLY AN OPEN PASTURE GRAZED BY CATTLE. POTENTIAL THREATS INCLUDE DEVELOPMENT AND ROAD WIDENING.

General: 85 PLANTS SEEN IN 1994 ON 5 MOUNDS.

Owner/Manager: PVT

Isocoma arguta

Carquinez goldenbush

Element Code: PDAST57050

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND.
Micro: ALKALINE SOILS, FLATS, LOWER HILLS. ON LOW BENCHES NEAR DRAINAGES & ON TOPS & SIDES OF MOUNDS IN SWALE HABITAT. 1-20M.

Occurrence No. 7 **Map Index:** 41667 **EO Index:** 42728
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1933-09-17
Site: 1933-09-17
Record Last Updated: 2000-05-04

Quad Summary: Honker Bay (3812118/481C), Birds Landing (3812127/481A), Denverton (3812128/481B), Antioch North (3812117/481D), Jersey Island (3812116/480C), Rio Vista (3812126/480B)
County Summary: Sacramento, Solano

Lat/Long: 38.12619º / -121.78745º
UTM: Zone-10 N4220510 E606277
Radius: 5 mile
Elevation: 200 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 03N
Range: 02E
Section: 05 **Qtr:** XX
Meridian: M

Location: MONTEZUMA HILLS, WEST OF RIO VISTA.
Location Detail: EXACT LOCATION NOT KNOWN. SITE MAPPED TO INCLUDE GENERAL AREA OF THE MONTEZUMA HILLS.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1933 COLLECTION BY HOWELL.
Owner/Manager: UNKNOWN

Occurrence No. 8 **Map Index:** 10073 **EO Index:** 42729
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1929-10-26
Site: 1929-10-26
Record Last Updated: 2003-07-01

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28879º / -121.96247º
UTM: Zone-10 N4238367 E590735
Radius: 1 mile
Elevation: 80 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01W
Section: 10 **Qtr:** SW
Meridian: M

Location: VANDEN, BASE OF PELLEJO HILLS.
Location Detail: EXACT LOCATION NOT KNOWN, UNABLE TO LOCATE 'PELLEJO HILLS'. SITE MAPPED AT VANDEN STATION.
Ecological: SUBSALINE PLAINS.
General: DATA FOR THIS SITE INCLUDES COLLECTIONS BY JEPSON: 1891 (SN JEPS, #32915 UNK, SN UC) FROM "MORNING LIGHT", "VANDEN" & 1929 (#15347 JEPS) FROM "VANDEN STA"; CITATION OF "MORNING LIGHT ['SUBSALINE PLAINS EAST OF THE VACA MOUNTAINS,']".
Owner/Manager: UNKNOWN

Occurrence No. 9 **Map Index:** 42889 **EO Index:** 42889
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-09-26
Site: 1999-09-26
Record Last Updated: 2000-05-08

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.31542º / -121.84196º
UTM: Zone-10 N4241446 E601237
Area: 1.3 acres
Elevation: 25 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 06N
Range: 01E
Section: 34 **Qtr:** SE
Meridian: M

Location: NORTH SIDE OF HAY ROAD ABOUT 1 MILE WEST OF HIGHWAY 113, NORTHWEST OF DOZIER AND SOUTH OF DIXON.
Location Detail: MAPPED ALONG SECTION LINE BETWEEN SECTIONS 34 AND 35, JUST NORTH OF ROAD.
Ecological: ANNUAL GRASSLAND WITH DISTICHLIS, LOLIUM, BROMUS HORDEACEOUS, AND B. DIANDRUS.
Threat: ROAD MAINTENANCE, GRAZING IN ADJACENT FIELD.
General: 12 PLANTS OBSERVED IN 1999. SITE IS WITHIN COUNTY ROAD RIGHT-OF-WAY.
Owner/Manager: SOL COUNTY

Isocoma arguta

Carquinez goldenbush

Element Code: PDAST57050

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND.
Micro: ALKALINE SOILS, FLATS, LOWER HILLS. ON LOW BENCHES NEAR DRAINAGES & ON TOPS & SIDES OF MOUNDS IN SWALE HABITAT. 1-20M.

Occurrence No. 10 **Map Index:** 42890 **EO Index:** 42890
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-05-08

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.19342º / -121.89516º
UTM: Zone-10 N4227852 E596748
Area: 14.7 acres
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01E
Section: 17 **Qtr:** NW
Meridian: M

Location: BETWEEN DENVERTON AND MONTEZUMA, ABOUT 2 MILES SOUTH OF HIGHWAY 12 ALONG W-SIDE OF SHILO ROAD, EAST OF GRIZZLY ISLAND.
Location Detail: 5 COLONIES MAPPED IN 1 POLYGON ALONG DIRT ROAD ABOUT 0.3 MILE WEST OF SHILO ROAD. MAPPED MOSTLY WITHIN THE SW1/4 NW1/4 SECTION 17.
Threat: NATURAL GAS EXPLORATION IN THE AREA, BUT PROBABLY NOT A THREAT?
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1999 MAP FROM THE STATE LANDS COMMISSION (PREPARED BY JONES AND STOKES).
Owner/Manager: UNKNOWN

Occurrence No. 11 **Map Index:** 42891 **EO Index:** 42891
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-05-08

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.18255º / -121.89608º
UTM: Zone-10 N4226645 E596681
Area: 7.7 acres
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01E
Section: 20 **Qtr:** NW
Meridian: M

Location: NORTH OF MONTEZUMA, ABOUT 2.6 MILES SOUTH OF HIGHWAY 12 ALONG W-SIDE OF SHILO ROAD, EAST OF GRIZZLY ISLAND.
Location Detail: 2 COLONIES MAPPED IN 1 POLYGON ALONG DIRT ROAD ABOUT 0.35 MILE WEST OF SHILO ROAD. MAPPED WITHIN THE NW 1/4 NW 1/4 SECTION 20.
Threat: NATURAL GAS EXPLORATION IN THE AREA, BUT PROBABLY NOT A LARGE THREAT.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1999 MAP FROM THE STATE LANDS COMMISSION (PREPARED BY JONES AND STOKES).
Owner/Manager: UNKNOWN

Occurrence No. 12 **Map Index:** 42892 **EO Index:** 42892
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-05-08

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.16997º / -121.89988º
UTM: Zone-10 N4225246 E596365
Area: 8.6 acres
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01E
Section: 19 **Qtr:** SE
Meridian: M

Location: WEST OF MONTEZUMA, ABOUT 3.5 MILES SOUTH OF HIGHWAY 12 ALONG W-SIDE OF SHILO ROAD, EAST OF GRIZZLY ISLAND.
Location Detail: 1 COLONY MAPPED ALONG SOUTH SIDE OF DRAINAGE ABOUT 0.5 MILE WEST OF CEMETERY AT MONTEZUMA. MAPPED WITHIN THE SE1/4 SE1/4 SECTION 20.
Threat: NATURAL GAS EXPLORATION IN THE AREA, BUT PROBABLY NOT A LARGE THREAT.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1999 MAP FROM THE STATE LANDS COMMISSION (PREPARED BY JONES AND STOKES).
Owner/Manager: UNKNOWN

Isocoma arguta

Carquinez goldenbush

Element Code: PDAST57050

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND.
Micro: ALKALINE SOILS, FLATS, LOWER HILLS. ON LOW BENCHES NEAR DRAINAGES & ON TOPS & SIDES OF MOUNDS IN SWALE HABITAT. 1-20M.

Occurrence No. 13 **Map Index:** 54736 **EO Index:** 54736
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-04-27
Site: 2003-04-27
Record Last Updated: 2004-03-18

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27040º / -121.83000º
UTM: Zone-10 N4236464 E602345
Area: 0.4 acres
Elevation: 16 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 23 **Qtr:** NE
Meridian: M

Location: WEST SIDE OF OLCOTT LAKE, SOUTH OF OLCOTT.
Location Detail: ONE SMALL COLONY LOCATED NEAR FENCE LINE MAPPED IN THE NORTHWEST 1/4 OF THE NORTHEAST 1/4 OF SECTION 23
Ecological: ANNUAL GRASSLAND WITH LOLIUM MULTIFLORUM, BROMUS HORDEACEUS, HORDEUM DEPRESSUM, BRODIAEA TERRESTRIS, & SPERGULARIA MACROTHECA.
Threat: SITE ADJACENT TO RAILROAD.
General: 30-50 INDIVIDUALS OBSERVED IN 2003.
Owner/Manager: SOLANO LAND TRUST

Juglans hindsii

Northern California black walnut

Element Code: PDJUG02040

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: RIPARIAN FOREST, RIPARIAN WOODLAND. FEW EXTANT NATIVE STANDS REMAIN; WIDELY NATURALIZED.
Micro: DEEP ALLUVIAL SOIL ASSOCIATED WITH A CREEK OR STREAM. 0-395M.

Occurrence No. 3 **Map Index:** 17206 **EO Index:** 9845

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Unknown

Dates Last Seen
Element: XXXX-XX-XX
Site: 2002-10-XX
Record Last Updated: 2002-11-21

Quad Summary: Rio Vista (3812126/480B), Isleton (3812125/480A), Courtland (3812135/497D), Florin (3812144/496B), Clarksburg (3812145/497A)
County Summary: Sacramento, Solano, Yolo

Lat/Long: 38.30672º / -121.57422º
UTM: Zone-10 N4240809 E624659
Area:
Elevation: 0 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 04E
Section: 5 **Qtr:** XX
Meridian: M

Location: ALONG THE SACRAMENTO RIVER, BETWEEN FREEPORT AND RIO VISTA, MOSTLY AT WALNUT GROVE.
Location Detail: TREES WERE ALONG BOTH SIDES OF RIVER.
Ecological: ON HIGH SPOTS ALONG THE BANK.
Threat: TREES NO LONGER REMAIN AT THIS SITE, THEY WERE CUT PRIOR TO 1949 ACCORDING TO SMITH, 1949.
General: SITE EXTIRPATED ACCORDING TO CALLIZO (2002).
Owner/Manager: UNKNOWN

Lasiurus blossevillii

western red bat

Element Code: AMACC05060

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5
State: S3?

Other Lists
CDFG Status: SC

Habitat Associations
General: ROOSTS PRIMARILY IN TREES, 2-40 FT ABOVE GROUND, FROM SEA LEVEL UP THROUGH MIXED CONIFER FORESTS.
Micro: PREFERS HABITAT EDGES & MOSAICS WITH TREES THAT ARE PROTECTED FROM ABOVE & OPEN BELOW WITH OPEN AREAS FOR FORAGING.

Occurrence No. 65 **Map Index:** 68993 **EO Index:** 69702
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-09-24
Site: 1999-09-24
Record Last Updated: 2007-04-19

Quad Summary: Rio Vista (3812126/480B)
County Summary: Sacramento

Lat/Long: 38.14667º / -121.64745º
UTM: Zone-10 N4222952 E618515
Radius: 1/10 mile
Elevation: 20 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 03E
Section: 33 **Qtr:** SE
Meridian: M

Location: BRANNAN ISLAND, ABOUT 1.8 ROAD MILES SE OF INTERSECTION OF HWYS 12 AND 160.
Location Detail: MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY SOURCE, WITH LOCALITY "RIVER EDGE." SOURCE LISTS 4 COORDINATES FOR "BRANNAN SRA." BAT ASSUMED TO BE DETECTED AT ALL 4 LOCATIONS (OCC #64-65).
Ecological: NO TREES. CONSISTS OF GRASSLAND OR SHRUBS.
General: BAT(S) DETECTED ON 24 SEP 1999.
Owner/Manager: DPR-BRANNAN ISLAND SRA

Occurrence No. 69 **Map Index:** 68997 **EO Index:** 69709
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-08-31
Site: 1999-08-31
Record Last Updated: 2007-04-19

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.15135º / -121.97225º
UTM: Zone-10 N4223107 E590048
Radius: 1/10 mile
Elevation: 0 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 01W
Section: 33 **Qtr:** NE
Meridian: M

Location: GRIZZLY ISLAND, ABOUT 0.25 MILES SSE OF CALIFORNIA STATE FISH AND GAME HEADQUARTERS.
Location Detail: MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY SOURCE.
Ecological: EXOTIC. CONSISTS PRIMARILY OF YOUNG TREES AND/OR A SPARSE RIPARIAN STRIP OF 1 TREE WIDE.
General: BAT(S) DETECTED ON 31 AUG 1999.
Owner/Manager: DFG-GRIZZLY ISLAND WA

Lasiurus cinereus

hoary bat

Element Code: AMACC05030

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5
State: S4?

Other Lists
CDFG Status:

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

Occurrence No. 122 **Map Index:** 56465 **EO Index:** 68885
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1916-03-15
Site: 1916-03-15
Record Last Updated: 2007-03-19

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23849º / -122.04013º
UTM: Zone-10 N4232712 E584000
Radius: 3/5 mile
Elevation:
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02W
Section: 36 **Qtr:** XX
Meridian: M

Location: SUISIN CITY.
Location Detail: MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTY OF 804.672M.
General: 1 MALE SPECIMEN (MVZ #106317) COLLECTED AT "SUISIN" BY A.L. SCARLETT ON 15 MAR 1916.
Owner/Manager: UNKNOWN

Occurrence No. 207 **Map Index:** 68993 **EO Index:** 69701
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-09-24
Site: 1999-09-24
Record Last Updated: 2007-04-19

Quad Summary: Rio Vista (3812126/480B)
County Summary: Sacramento

Lat/Long: 38.14667º / -121.64745º
UTM: Zone-10 N4222952 E618515
Radius: 1/10 mile
Elevation: 20 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 03E
Section: 33 **Qtr:** SE
Meridian: M

Location: BRANNAN ISLAND, ABOUT 1.8 ROAD MILES SE OF INTERSECTION OF HWYS 12 AND 160.
Location Detail: MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY SOURCE, WITH LOCALITY "RIVER EDGE." SOURCE LISTS 4 COORDINATES FOR "BRANNAN SRA." BAT ASSUMED TO BE DETECTED AT ALL 4 LOCATIONS (OCC #206-207).
Ecological: NO TREES. CONSISTS OF GRASSLAND OR SHRUBS.
General: BAT(S) DETECTED ON 24 SEP 1999.
Owner/Manager: UNKNOWN

Lasthenia conjugens

Contra Costa goldfields

Element Code: PDAST5L040

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS, CISMONTANE WOODLAND. EXTIRPATED FROM MOST OF ITS RANGE; EXTREM. ENDANGERED.
Micro: VERNAL POOLS, SWALES, LOW DEPRESSIONS, IN OPEN GRASSY AREAS. 1-445M.

Occurrence No. 3 **Map Index:** 09732 **EO Index:** 16733
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-25
Site: 2002-04-25
Record Last Updated: 2007-05-03

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23477º / -122.05954º
UTM: Zone-10 N4232281 E582306
Area: 15.0 acres
Elevation: 10 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 02W
Section: 35 **Qtr:** XX
Meridian: M

Location: CORDELIA RD, WEST OF SUISUN CITY, 0.4 MI E OF O'REHR RD ESPECIALLY ALONG LEDGEWOOD CREEK.

Location Detail: IN 1991 PLANTS SEEN ALONG CREEK THROUGH MIDDLE OF PROPERTY N OF TRACKS. PLANTS ALSO SEEN LATER SOUTH OF THE TRACKS AND EVEN SOUTH OF HWY 12. ALL THESE COLONIES MAPPED AS ONE OCCURRENCE.

Ecological: DISTURBED GRASSLAND AND SWALES. IN VERNAL DRAINAGE IN PASTURE W/VERNAL POOL. WITH HORDEUM GENICULATUM, LOLIUM MULTIFLORUM, LASTHENIA GLABERRIMA, COTULA CORONOPIFOLIA, FRANKENIA, ERYNGIUM, PSILOCARPHUS BREVISSIMUS, AND BRODIAEA CORONARIA.

Threat: HEAVILY GRAZED, MOST VEG. REMOVED BY DISKING (3/94) EXCEPT SMALL AREAS DELINEATED AS WETLANDS. INDUSTRIAL DEV. PROBABLE.

General: ABOUT 75 PLANTS SEEN IN 1991, BUT SITE WAS VISITED LATE IN THE SEASON. 1000'S SEEN IN 1993, 1500 IN 1994, EST. 6,500 PLANTS SEEN ON 220 ACRES AT "GENTRY" IN 1999. NEED UPDATED FIELDWORK.

Owner/Manager: PVT

Occurrence No. 4 **Map Index:** 10113 **EO Index:** 16731
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-08-22

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.23005º / -121.94181º
UTM: Zone-10 N4231869 E592616
Area: 1.8 acres
Elevation: 13 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01W
Section: 35 **Qtr:** S
Meridian: M

Location: SOUTH OF TRAVIS AFB, ALONG NORTH SIDE OF HIGHWAY 12 ABOUT 0.5 MILE EAST OF BRANSCOMBE ROAD, EAST OF FAIRFIELD.

Location Detail: MAPPED ABOUT 0.1 MILE NORTH OF HIGHWAY 12 NEAR CENTER OF S 1/4 SECTION 35.

Ecological: GRASSY FIELD.

Threat: GRAZING.

General: FIRST REPORTED IN 1960 COLLECTION BY R. ORNDUFF (#6055 UC) FROM "6 MI E OF FAIRFIELD." NO PLANTS FOUND IN 1988; VERY DRY SPRING. IDENTIFICATION QUESTIONED BY J. CALLIZO (1988). PLANTS REPORTED AGAIN IN 1999 MAP BY STATE LANDS COMMISSION.

Owner/Manager: UNKNOWN

Lasthenia conjugens

Contra Costa goldfields

Element Code: PDAST5L040

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS, CISMONTANE WOODLAND. EXTIRPATED FROM MOST OF ITS RANGE; EXTREM. ENDANGERED.
Micro: VERNAL POOLS, SWALES, LOW DEPRESSIONS, IN OPEN GRASSY AREAS. 1-445M.

Occurrence No. 5 **Map Index:** 10127 **EO Index:** 21904

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 1974-06-20
Site: 1993-04-14
Record Last Updated: 2007-04-26

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.30806º / -121.94534º
UTM: Zone-10 N4240522 E592208
Area:
Elevation: 100 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01W
Section: 02 **Qtr:** NW
Meridian: M

Location: ROADSIDE DITCH BESIDE RAILROAD TRACKS APPROXIMATELY 2 MILES NORTHEAST OF VANDEN.

Location Detail: MAPPED AT CNDDB AS A NON-SPECIFIC POLYGON ALONG VANDEN ROAD NORTH OF JUNCTION WITH CANNON ROAD.

Threat: THICK PERENNIAL RYE.

General: NO PLANTS SEEN IN 1988-VERY DRY SPRING, LITTLE RAIN (CALLIZO). NO PLANTS SEEN IN 1993-A VERY WET SPRING (HOWALD). VERY DISTURBED SITE THAT WAS ONCE VERNAL POOL HABITAT; AREA NOW DOMINATED BY INTRODUCED GRASSES AND ANNUALS.

Owner/Manager: PVT

Occurrence No. 7 **Map Index:** 09982 **EO Index:** 21918

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-04-XX
Site: 2003-04-XX
Record Last Updated: 2007-04-24

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28095º / -121.98353º
UTM: Zone-10 N4237477 E588902
Area: 166.1 acres
Elevation: 45 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01W
Section: 16 **Qtr:** N
Meridian: M

Location: WEST OF TRAVIS AFB; EAST AND NORTH OF INTERSECTION OF AIRBASE PARKWAY AND WALTERS ROAD.

Location Detail: NORTH AND WEST PORTIONS OF SECTION 16, SE 1/4 OF SECTION 17, AND NW 1/4 OF SECTION 21. 1995 KELCH COLLECTION FROM "194 WALTERS ROAD, FAIRFIELD" ATTRIBUTED TO THIS OCCURRENCE, BUT EXACT LOCATION OF ADDRESS UNKNOWN.

Ecological: ALKALINE VERNAL POOLS/VERNAL SWALE WITHIN NON-NATIVE GRASSLAND. WITH LOLIUM MULTIFLORUM, PLAGIOBOTHRYS STIPITATUS MICRANTHUS, DOWNINGIA INSIGNIS, D. CONCOLOR, ERYNGIUM SP., PLEUROPOGON CALIFORNICUS, COTULA CORONOPIFOLIA, RUMEX SPP., ET AL.

Threat: PROPOSED FOR DEVELOPMENT (1995). FIELD EAST OF WALTERS ROAD IS MOWED ANNUALLY AND PORTIONS ALONG THE ROAD ARE DISKED.

General: >100 PLANTS SEEN E OF WALTERS RD IN 1995; 100,000 EST. IN 1995 OVER LARGER AREA; >300,000 IN 2000. UNKNOWN NUMBER IN 2002 & 2003. >100,000 AT N COLONIES (1996). SEVERAL COLLECTIONS ATTRIBUTED TO THIS OCCURRENCE. INCL FORMER EO #26, #27.

Owner/Manager: PVT

Lasthenia conjugens

Contra Costa goldfields

Element Code: PDAST5L040

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS, CISMONTANE WOODLAND. EXTIRPATED FROM MOST OF ITS RANGE; EXTREM. ENDANGERED.
Micro: VERNAL POOLS, SWALES, LOW DEPRESSIONS, IN OPEN GRASSY AREAS. 1-445M.

Occurrence No. 19 **Map Index:** 09759 **EO Index:** 9463

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 1985-05-08
Site: 1994-XX-XX
Record Last Updated: 1996-02-05

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.24015º / -122.05179º
UTM: Zone-10 N4232886 E582979
Area: 8.6 acres
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 02W
Section: 35 **Qtr:** XX
Meridian: M

Location: JUST WEST OF SUISUN CITY, NEAR JUNCTION OF CORDELIA ROAD AND PENNSYLVANIA AVE.

Location Detail: BOTH SIDES OF PENNSYLVANIA AVE, N OF RAILROAD TRACKS.

Ecological: IN GRASSLAND IN VERNAL POOLS ASSOCIATED WITH ERYNGIUM VASEYI, LASTHENIA GLABERRIMA, DOWNINGIA PULCHELLA, AND MYOSURUS MINIMUS.

Threat: CURRENTLY GRAZED AND ZONED FOR INDUSTRIAL DEVELOPMENT. INDUSTRIAL DEVELOPMENT ALREADY EXISTS NEARBY.

General: 2 POPULATIONS WERE HERE, E AND W OF PENNSYLVANIA AVE. NOT FOUND IN 1988; NO RAIN. INCLUDES FORMER OCC. #9 KNOWN FROM "SUISUN". SITE DISKED IN 1994; NO PLANTS FOUND AFTER DISKING.

Owner/Manager: PVT

Occurrence No. 20 **Map Index:** 10039 **EO Index:** 17769

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-04-29
Site: 2004-04-29
Record Last Updated: 2007-04-25

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22448º / -121.96410º
UTM: Zone-10 N4231229 E590672
Area: 130.0 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 03 **Qtr:** N
Meridian: M

Location: SOUTH OF TRAVIS AFB, ALONG BOTH SIDES OF SCALLY ROAD AND SOUTH OF HIGHWAY 12, EAST OF FAIRFIELD.

Location Detail: SEVERAL COLONIES MAPPED SOUTH OF KILDEER ROAD BETWEEN POTRERO HILLS LANE AND SCALLY ROAD, IN THE NE 1/4 OF SECTION 4. LARGER AREA OF PLANTS SOUTH OF HWY 12 BETWEEN SCALLY ROAD AND BRANSCOMBE ROAD, IN THE N 1/2 OF SECTION 3.

Ecological: VERNAL POOLS, GRASSLAND AND SEASONAL WETLANDS ON SOLANO LOAM SOIL. ASSOCIATED WITH LASTHENIA PLATYCARPHA, PSILOCARPHUS, FRANKENIA GRANDIFOLIA, DOWNINGIA, MYOSURUS MINIMUS, PLAGIOBOTHRYS, PLEUROPOGON, ERYNGIUM, TRIFOLIUM, ET AL.

Threat: GRAZING AND DEVELOPMENT THREATEN. LANDFILL NEARBY. NONNATIVES MAY ALSO THREATEN.

General: 10,000+ IN 1986 AND 1992, 100,000+ IN 1993 WEST OF SCALLY RD. 4,500 IN 1996 AT SW END OF SITE. EST. 5,000 PLANTS ON 26 ACRES IN "POTRERO HILLS" IN 1999. UNKNOWN NUMBER E OF SCALLY RD IN 1999. APPROX 18 MILLION AT NW COLONY IN 2004.

Owner/Manager: PVT

Lasthenia conjugens

Contra Costa goldfields

Element Code: PDAST5L040

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS, CISMONTANE WOODLAND. EXTIRPATED FROM MOST OF ITS RANGE; EXTREM. ENDANGERED.
Micro: VERNAL POOLS, SWALES, LOW DEPRESSIONS, IN OPEN GRASSY AREAS. 1-445M.

Occurrence No. 22 **Map Index:** 30303 **EO Index:** 21933
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Fluctuating

Dates Last Seen
Element: 1999-05-XX
Site: 1999-05-XX
Record Last Updated: 2007-05-03

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26805º / -121.97315º
UTM: Zone-10 N4236055 E589826
Area: 24.8 acres
Elevation: 45 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01W
Section: 21 **Qtr:** NE
Meridian: M

Location: ALONG AND SOUTH OF TRAVIS AIR FORCE BASE LANDING STRIP, SOUTH OF AIR BASE DRIVE AND WEST OF TRAVIS AFB HOSPITAL.

Location Detail: FIVE COLONIES MAPPED AS A SINGLE POLYGON AT CNDDB. COLONIES OCCUR ALONG EITHER SIDE OF THE SW END OF LANDING STRIP AND BOTH SIDES OF RR TRACKS SOUTH OF THE STRIP. HABITAT NEAR RR TRACKS IS GOOD; NEAR RUNWAY, HABITAT QUAL ONLY FAIR.

Ecological: ALKALINE VERNAL POOLS. MANY NATIVES. ADJACENT UPLANDS SERIOUSLY INVADED BY INTRODUCED ANNUAL GRASSES AND LEGUMES. ASTRAGALUS TENER TENER ALSO NEARBY.

Threat: SEASONALLY USED FOR HORSE GRAZING. PART OF SITE BLADED ANNUALLY TO PROVIDE PARKING FOR ANNUAL FAIR.

General: APPROX. 22,000 PLANTS SEEN IN 1993. EST. 6,500 SEEN BY COLLINGE IN 1999 AT UNKNOWN SITE ON APPROX. 25 ACRES IN "TRAVIS AFB." 1999 COLLINGE ET AL. COLLECTION "VERNAL POOL COMPLEX NEAR THE AERO CLUB, TRAVIS AFB" ATTRIBUTED TO THIS SITE.

Owner/Manager: DOD-TRAVIS AFB

Occurrence No. 24 **Map Index:** 32988 **EO Index:** 568
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2007-04-25

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28568º / -121.95817º
UTM: Zone-10 N4238025 E591115
Area: 87.8 acres
Elevation: 70 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01W
Section: 15 **Qtr:** NW
Meridian: M

Location: NW OF TRAVIS AFB, EAST OF PEABODY ROAD, SOUTH OF SOUTHERN PACIFIC RAILROAD & WEST OF SACRAMENTO NORTHERN RAILROAD.

Location Detail: TWO SIGNIFICANT COLONIES LOCATED NORTHEAST AND SOUTHWEST OF VANDEN HIGH SCHOOL. L. CONJUGENS ESPECIALLY ABUNDANT IN DEPRESSIONS (MANMADE FURROWS).

Ecological: LOW, MOIST PLACES AND VERNAL POOLS IN A COMPLEX OF ANTIOCH AND SAN YSIDRO SOILS. ASSOCIATED WITH LOLIUM MULTIFLORUM, PLAGIOBOTHRYS STIPITATUS MICRANTHUS, POLYPOGON SP., AND LASTHENIA GLABERRIMA.

Threat: LARGE MOUNDS OF FILL MATERIAL FOUND ADJACENT TO SITE IN 1994; POTENTIALLY THREATENED BY DEVELOPMENT.

General: EST. 10,000 PLANTS IN 1999 ON 77 ACRES ON "MCBAIL PROPERTY." AT LEAST 250,000 PLANTS IN 1995; POSSIBLY MANY MORE. APPROX 1300 PLANTS IN 1993 AND 94 IN SEVERAL DEPRESSIONS THROUGHOUT MAPPED POLYGON. FMR OCC #25 LUMPED HERE.

Owner/Manager: PVT

Lasthenia conjugens

Contra Costa goldfields

Element Code: PDAST5L040

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS, CISMONTANE WOODLAND. EXTIRPATED FROM MOST OF ITS RANGE; EXTREM. ENDANGERED.
Micro: VERNAL POOLS, SWALES, LOW DEPRESSIONS, IN OPEN GRASSY AREAS. 1-445M.

Occurrence No. 28 **Map Index:** 32993 **EO Index:** 541

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-XX-XX
Site: 1993-XX-XX
Record Last Updated: 1996-02-05

Quad Summary: Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.27456º / -122.00415º
UTM: Zone-10 N4236747 E587107
Radius: 80 meters
Elevation: 60 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01W
Section: 17 **Qtr:** SW
Meridian: M

Location: NE OF FAIRFIELD; 0.1 MI N OF AIR BASE PARKWAY, 1.75 AIRMI DUE S OF SUMMIT OF CEMENT HILL.

General: ABOUT 10 PLANTS IN 1993.

Owner/Manager: UNKNOWN

Occurrence No. 33 **Map Index:** 42506 **EO Index:** 42506

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1998-05-08
Site: 1998-05-08
Record Last Updated: 2000-03-07

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.21325º / -122.11662º
UTM: Zone-10 N4229844 E577333
Radius: 1/10 mile
Elevation: 10 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 07 **Qtr:** XX
Meridian: M

Location: CORDELIA, ALONG CORDELIA ROAD ABOUT 0.7 MILE EAST OF PITMAN ROAD, SOUTHWEST OF FAIRFIELD.

Location Detail: SITE IS 30 METERS SOUTH OF CORDELIA ROAD AND 0.7 MILE EAST OF JUNCTION WITH PITMAN ROAD. MAPPED AT BEND IN ROAD BETWEEN CORDELIA ROAD AND RR TRACKS.

Ecological: GROWING IN GRASSY CAUSEWAY AND ALONG BANKS OF A POND.

General: CHAN PROVIDES SITE DESCRIPTION "STRAY INDIVIDUALS GROWING ON GRASSY CAUSEWAY; DISPERSED FROM DENSE PATCHES GROWING ALONG SHARED POND OF ADJACENT PROPERTY." & COLLECTIONS 1996 (#96001 JEPS) & 1998 (#98021 JEPS).

Owner/Manager: PVT

Occurrence No. 34 **Map Index:** 43586 **EO Index:** 43586

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-08-22

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.23215º / -121.93011º
UTM: Zone-10 N4232114 E593638
Area: 9.7 acres
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01W
Section: 36 **Qtr:** SW
Meridian: M

Location: SOUTH OF TRAVIS AFB, ALONG NORTH SIDE OF HIGHWAY 12 ABOUT 1.2 MILES EAST OF BRANSCOMBE ROAD, EAST OF FAIRFIELD.

Location Detail: MAPPED WITHIN THE W 1/2 SW 1/4 SECTION 36.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL (STATE LANDS COMISSION, 1999).

Owner/Manager: UNKNOWN

Lasthenia conjugens

Contra Costa goldfields

Element Code: PDAST5L040

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS, CISMONTANE WOODLAND. EXTIRPATED FROM MOST OF ITS RANGE; EXTREM. ENDANGERED.
Micro: VERNAL POOLS, SWALES, LOW DEPRESSIONS, IN OPEN GRASSY AREAS. 1-445M.

Occurrence No. 36 **Map Index:** 24709 **EO Index:** 51716
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 1918-10-01
Site: 1918-10-01
Record Last Updated: 2005-09-20

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.32825º / -121.96125º
UTM: Zone-10 N4242747 E590791
Radius: 3/5 mile
Elevation: 150 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 06N
Range: 01W
Section: 34 **Qtr:** XX
Meridian: M

Location: LITTLE OAK.
Location Detail: MAPPED IN THE HISTORICAL VICINITY OF THE JEPSON FAMILY'S LITTLE OAK RANCH, EAST OF PEABODY RD AND SOUTH OF ALAMO DR.
General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1918 COLLECTION BY JEPSON.
Owner/Manager: UNKNOWN

Laterallus jamaicensis coturniculus

California black rail

Element Code: ABNME03041

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G4T1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: INHABITS FRESHWATER MARTSHES, WET MEADOWS & SHALLOW MARGINS OF SALTWATER MARSHES BORDERING LARGER BAYS.
Micro: NEEDS WATER DEPTHS OF ABOUT 1 INCH THAT DOES NOT FLUCTUATE DURING THE YEAR & DENSE VEGETATION FOR NESTING HABITAT.

Occurrence No. 20 **Map Index:** 37831 **EO Index:** 25814
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-04-06
Site: 2006-04-06
Record Last Updated: 2008-02-06

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.22656º / -122.04552º
UTM: Zone-10 N4231384 E583542
Area:
Elevation: 10 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02W
Section: 02 **Qtr:** XX
Meridian: M

Location: PEYTONIA SLOUGH, 0.75 MI S OF SUISUN CITY.

Ecological: MARSH VEGETATION CONSISTS OF MIXTURE OF DISTICHLIS, TYPHA, SCIRPUS, JUNCUS, AND SALICORNIA.

Threat: JET SKIS ARE BECOMING MORE COMMON ON PEYTONIA SLOUGH; POSSIBILITY OF FERAL CATS, RATS, RACCOONS, AND RIVER OTTERS.

General: ONE RAIL OBSERVED IN JUL 1977. 1 BIRD OBSERVED IN MAY 2002. 4 BREEDING ADULTS OBSERVED 29 JAN 2003. 7 BIRDS OBSERVED 1APR 2004. 6 BIRDS OBSERVED 22 FEB & 1 OBSERVED 6 APR 2006.

Owner/Manager: DFG-PEYTONIA SLOUGH ER

Occurrence No. 22 **Map Index:** 44408 **EO Index:** 6759
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-03-27
Site: 2006-03-27
Record Last Updated: 2008-02-08

Quad Summary: Denverton (3812128/481B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19228º / -122.01826º
UTM: Zone-10 N4227605 E585969
Area:
Elevation: 9 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 18 **Qtr:** XX
Meridian: M

Location: RUSH RANCH, SW OF GRIZZLY ISLAND RD, 3 MILES SSE OF SUISUN CITY.

Location Detail: MVZ RECORDS GIVE LOCATION ONLY AS "SUISUN MARSH" & "SUISUN". HER04R0001: 10 SURVEY LOCATIONS WITHIN THIS AREA. DETECTIONS WERE WITHIN 100 METERS OF SURVEY LOCATIONS.

Ecological: MUDFLATS & SLOUGHS WITH PICKLEWEED & CORD GRASS, IN NATURAL TIDAL MARSH WITH UNMANAGED UPLAND AREA ADJACENT. HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SALICORNIA VIRGINICA, SCIRPUS SPP., AND TYPHA SPP.

Threat: INLET & OUTLET TIDE GATES ON CUTOFF SLOUGH, ENLARGING CUTOFF SLOUGH TO INCREASE WATER CAPACITY, RED FOXES MAY BE PRESENT

General: MVZ#17252-3 (1911) & 23524 (1913). OBS '75, '76, '78, '85, '86, '88 & 2000. 1 OBS 2/91 & 2 HEARD NEAR 2ND MALLARD BRANCH 12/92 . 3 NESTS & 11 TERRITORIES OBS MAR-JUN 2005. BIRDS OBS: 2002 (20), 2003 (32), 2004; (34), 2005 (24), & 2006 (14).

Owner/Manager: DFG, UNKNOWN

Laterallus jamaicensis coturniculus

California black rail

Element Code: ABNME03041

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G4T1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: INHABITS FRESHWATER MARTSHES, WET MEADOWS & SHALLOW MARGINS OF SALTWATER MARSHES BORDERING LARGER BAYS.
Micro: NEEDS WATER DEPTHS OF ABOUT 1 INCH THAT DOES NOT FLUCTUATE DURING THE YEAR & DENSE VEGETATION FOR NESTING HABITAT.

Occurrence No. 118 **Map Index:** 47343 **EO Index:** 47343
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-02-20
Site: 2004-02-20
Record Last Updated: 2007-11-29

Quad Summary: Denverton (3812128/481B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.22819º / -121.99552º
UTM: Zone-10 N4231610 E587917
Area:
Elevation: 5 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 05 **Qtr:** XX
Meridian: M

Location: 2.3 MILES SE OF SUISUN CITY; LOCATED WITHIN MARSH NEAR HILL SLOUGH, NORTH OF POTRERO HILLS AND SOUTH OF TOLENAS.

Ecological: LOWER HIGH INTERTIDAL ZONE OF BRACKISH MARSH. AREA VEGETATED WITH CUSCUTA SALINA, DISTICHLIS SPICATA, SALICORNIA VIRGINICA, JAUMEA CARNOSA, LIMONIUM CALIFORNICUM, ATRIPLEX TRIANGULARIS AND PLANTAGO SUBNUDA.

Threat: THREAT CONSISTS OF BICYCLE/FOOT TRAFFIC AND STRAY DOGS. JET SKIS ARE BECOMING MORE COMMON, PRODUCING NOISE AND WAKE.

General: 12 SEP 2000: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED/HEARD. IN 2002, 4 WERE OBSERVED. IN MAR 2003, 3 BREEDING ADULTS WERE OBSERVED. IN 2004, 4 WERE OBSERVED.

Owner/Manager: DFG-HILL SLOUGH WA

Occurrence No. 129 **Map Index:** 59862 **EO Index:** 63294
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-03-30
Site: 2005-03-30
Record Last Updated: 2005-11-22

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.20185º / -122.06517º
UTM: Zone-10 N4228624 E581850
Area:
Elevation: 9 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 10 **Qtr:** XX
Meridian: M

Location: FROM JUST NORTH OF, TO 0.5 MILE SW OF BOYNTON SLOUGH, 3 MILES SOUTH OF FAIRFIELD.

Location Detail: 7 SURVEY LOCATIONS WITHIN THIS AREA. DETECTIONS WITHIN 100 METERS OF SURVEY LOCATIONS.

Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SALICORNIA VIRGINICA, SCIRPUS SPP., AND TYPHA SPP.

General: 3 DETECTIONS ON 30 MAR 2005.

Owner/Manager: DFG-GRIZZLY ISLAND WA, UNKNOWN

Occurrence No. 178 **Map Index:** 70568 **EO Index:** 71478
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-05-08
Site: 2006-05-08
Record Last Updated: 2008-02-25

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.22481º / -122.01415º
UTM: Zone-10 N4231219 E586290
Area:
Elevation: 5 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 06 **Qtr:** XX
Meridian: M

Location: HILL SLOUGH, JUST EAST OF MCCOY CREEK, 2.5 MILES ESE OF FAIRFIELD.

Ecological: TIDAL BRACKISH MARSH CHARACTERIZED BY SCIRPUS CALIFORNICUS, JUNCUS BALTICUS, TRIGLOCHIN MARITIMA, DISTICHLIS SPICATA, PONTENTILLA ANSERINA, SALICIRNIA VIRGINICA.

Threat: JET SKIS ARE BECOMING MORE COMMON ON CUTOFF SLOUGH, PRODUCING NOISE AND WAKE; POSSIBILITY OF FERAL CATS, RATS, RACCOONS.

General: 3 BREEDING ADULTS DETECTED BY VOCALIZATION ON 8 APR 2003 AND 3 INDIVIDUALS DETECTED BY VOCALIZATION IN MAR AND MAY 2006.

Owner/Manager: DFG-HILL SLOUGH WA

Laterallus jamaicensis coturniculus

California black rail

Element Code: ABNME03041

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G4T1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: INHABITS FRESHWATER MARTSHES, WET MEADOWS & SHALLOW MARGINS OF SALTWATER MARSHES BORDERING LARGER BAYS.
Micro: NEEDS WATER DEPTHS OF ABOUT 1 INCH THAT DOES NOT FLUCTUATE DURING THE YEAR & DENSE VEGETATION FOR NESTING HABITAT.

Occurrence No. 183 **Map Index:** 70577 **EO Index:** 71487
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-03-22
Site: 2006-03-22
Record Last Updated: 2008-02-25

Quad Summary: Vine Hill (3812211/482D), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.12603º / -122.06916º
UTM: Zone-10 N4220208 E581585
Area:
Elevation: 8 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 03N
Range: 02W
Section: 10 **Qtr:** XX
Meridian: M

Location: SOUTH END OF JOICE ISLAND.

Ecological: TIDAL BRACKISH MARSH CHARACTERIZED BY POTENTILLA ANSERINA, JUNCUS BALTICUS, DISTICHLIS SPICATA, SCIRPUS AMERICANUS AND TYPHA ANGUSTIFOLIA.

Threat: INVASIVE PLANT: LEPIDIUM LATIFOLIUM.

General: 06/1988: ABOUT 14 BIRDS OBS. 1 INDIVIDUAL WAS DETECTED VOCALLY ON 15 MAR 2004. 10 INDIVIDUALS WERE DETECTED VOCALLY ON 28 FEB 2005. 15 INDIVIDUALS WERE DETECTED VOCALLY IN FEB & MAR 2006.

Owner/Manager: DOD-NAVY

Occurrence No. 187 **Map Index:** 60149 **EO Index:** 71493
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-01-13
Site: 2005-01-13
Record Last Updated: 2007-12-04

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.19002º / -121.90834º
UTM: Zone-10 N4227462 E595597
Area:
Elevation: 4 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01E
Section: 18 **Qtr:** XX
Meridian: M

Location: ALONG SLOUGH (DENVERTON SLOUGH?) ALONG EAST SIDE OF BRADMOOR ISLAND.

Location Detail: MAPPED ACCORDING TO UTM COORDINATES GIVEN FOR SURVEY LOCATION.

Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SCIRPUS SPP., TYPHA SPP., AND SALICORNIA VIRGINICA.

General: 2 DETECTED VOCALLY ALONG SLOUGH ON 13 JAN 2005.

Owner/Manager: UNKNOWN

Occurrence No. 188 **Map Index:** 70584 **EO Index:** 71494
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-07
Site: 2005-07-07
Record Last Updated: 2008-02-25

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.17862º / -121.91143º
UTM: Zone-10 N4226193 E595342
Area:
Elevation: 8 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01E
Section: 19 **Qtr:** XX
Meridian: M

Location: AREA SOUTH OF LITTLE HONKER BAY AND EAST OF NURSE SLOUGH, NORTHEASTERN SUISUN MARSH.

Location Detail: MAPPED ACCORDING TO UTM COORDINATES GIVEN.

Ecological: BRACKISH TIDAL MARSH CHARACTERIZED BY TYPHA ANGUSTIFOLIA, SCIRPUS CALIFORNICUS, AND SCIRPUS ACUTUS.

General: 1 INDIVIDUAL DETECTED VOCALLY ON 26 MAY 2004. 3 INDIVIDUALS DETECTED VOCALLY, 1 ON 30 APR, 1 ON 10 MAY AND 1 ON 7 JUL 2005. IN 2005 THERE WERE 15 POINT SURVEY LOCATIONS IN THIS AREA.

Owner/Manager: DWR

Laterallus jamaicensis coturniculus

California black rail

Element Code: ABNME03041

Status
Federal: None
State: Threatened

NDDB Element Ranks
Global: G4T1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: INHABITS FRESHWATER MARTSHES, WET MEADOWS & SHALLOW MARGINS OF SALTWATER MARSHES BORDERING LARGER BAYS.
Micro: NEEDS WATER DEPTHS OF ABOUT 1 INCH THAT DOES NOT FLUCTUATE DURING THE YEAR & DENSE VEGETATION FOR NESTING HABITAT.

Occurrence No. 189 **Map Index:** 70585 **EO Index:** 71495
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-07
Site: 2005-07-07
Record Last Updated: 2007-12-04

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.19608º / -121.91020º
UTM: Zone-10 N4228132 E595427
Radius: 80 meters
Elevation: 8 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01E
Section: 18 **Qtr:** XX
Meridian: M

Location: JUST EAST OF THE JUNCTION OF DENVERTON SLOUGH AND UNNAMED SLOUGH, EAST OF BRADMOOR ISLAND.
Location Detail: MAPPED ACCORDING TO UTM COORDINATES GIVEN.
Ecological: BRACKISH TIDAL MARSH CHARACTERIZED BY TYPHA ANGUSTIFOLIA, SCIRPUS CALIFORNICUS, AND SCIRPUS ACUTUS.
General: 1 INDIVIDUAL DETECTED VOCALLY ON 7 JUL 2005.
Owner/Manager: UNKNOWN

Occurrence No. 190 **Map Index:** 70586 **EO Index:** 71496
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-07
Site: 2005-07-07
Record Last Updated: 2008-02-25

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.20024º / -121.91384º
UTM: Zone-10 N4228590 E595102
Radius: 80 meters
Elevation: 9 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01E
Section: 07 **Qtr:** XX
Meridian: M

Location: 0.23 MILES NORTH OF THE JUNCTION OF DENVERTON SLOUGH AND UNNAMED SLOUGH, NORTHEAST OF BRADMOOR ISLAND.
Location Detail: MAPPED ACCORDING TO UTM COORDINATES GIVEN.
Ecological: BRACKISH TIDAL MARSH CHARACTERIZED BY TYPHA ANGUSTIFOLIA, SCIRPUS CALIFORNICUS, AND SCIRPUS ACUTUS.
General: 1 INDIVIDUAL DETECTED VOCALLY ON 7 JUL 2005.
Owner/Manager: UNKNOWN

Occurrence No. 191 **Map Index:** 70587 **EO Index:** 71497
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-07
Site: 2005-07-07
Record Last Updated: 2008-02-25

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.20520º / -121.91134º
UTM: Zone-10 N4229143 E595315
Radius: 80 meters
Elevation: 7 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01E
Section: 07 **Qtr:** XX
Meridian: M

Location: ALONG DENVERTON SLOUGH, .60 MILES NNE OF THE JUNCTION OF DENVERTON SLOUGH AND UNNAMED SLOUGH.
Location Detail: MAPPED ACCORDING TO UTM COORDINATES GIVEN.
Ecological: BRACKISH TIDAL MARSH CHARACTERIZED BY TYPHA ANGUSTIFOLIA, SCIRPUS CALIFORNICUS, AND SCIRPUS ACUTUS.
General: 1 INDIVIDUAL DETECTED VOCALLY ON 7 JUL 2005.
Owner/Manager: UNKNOWN

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 3 **Map Index:** 11226 **EO Index:** 19249

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1980-10-XX
Site: 1980-10-XX
Record Last Updated: 2000-03-08

Quad Summary: Rio Vista (3812126/480B)
County Summary: Sacramento, Solano

Lat/Long: 38.18394º / -121.65511º
UTM: Zone-10 N4227078 E617784
Area:
Elevation: 2 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 04N
Range: 03E
Section: 21 **Qtr:** XX
Meridian: M

Location: STEAMBOAT SLOUGH NEAR JUNCTION WITH SACRAMENTO RIVER.

Location Detail: UNKNOWN WHICH SIDE OF RIVER THE PLANTS WERE SEEN. SITE MAPPED TO ENCOMPASS ALL LIKELY HABITAT ALONG BOTH SIDES OF THE SLOUGH UP TO 0.5 MILE UPSTREAM FROM CONFLUENCE WITH THE SACRAMENTO RIVER. ACTUAL POP. SIZE SMALLER THAN DEPICTED AT CNDDB.

Ecological: EDGE OF SLOUGH JUST ABOVE HIGH WATER LINE. ASSOCIATED WITH EQUISETUM, VITUS CALIFORNICA, AND ROSA, QUERCUS LOBATA, PLATANUS RACEMOSA, ALNUS RHOMBIFOLIA, FRAXINUS, AND RUBUS.

General: 5 PLANTS.

Owner/Manager: PVT

Occurrence No. 6 **Map Index:** 09671 **EO Index:** 19246

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-11

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.17259º / -122.07671º
UTM: Zone-10 N4225367 E580872
Radius: 1/10 mile
Elevation: 5 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 04N
Range: 02W
Section: 22 **Qtr:** XX
Meridian: M

Location: TEAL STATION, SUISUN MARSHES.

Location Detail: MAPPED IN VICINITY OF SLOUGH JUST EAST OF TEAL STATION ALONG SPRR TRACKS.

General: MANY HISTORICAL COLLECTIONS FROM SUISUN MARSHES INCLUDING JEPSON #10231 (JEPS) IN 1938.

Owner/Manager: UNKNOWN

Occurrence No. 7 **Map Index:** 09790 **EO Index:** 6370

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-11

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.22700º / -122.03894º
UTM: Zone-10 N4231438 E584118
Area: 48.6 acres
Elevation: 5 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 04N
Range: 02W
Section: 01 **Qtr:** XX
Meridian: M

Location: SUISUN MARSH, 0.5 MILE SOUTH OF SUISUN ALONG NORTH BANK OF PEYTONIA SLOUGH.

Location Detail: MAPPED ALONG SLOUGH FROM MOUTH WEST ABOUT 0.5 MILE. ADDITIONAL COLONY MAPPED BETWEEN SLOUGH AND SUISUN CITY. WITHIN THE DFG PEYTONIA SLOUGH ECOLOGICAL RESERVE.

Ecological: COASTAL BRACKISH MARSH, ABOVE TIDAL ACTION. ASSOCIATED WITH SCIRPUS SPP., BACCHARIS PILULARIS SSP. CONSANGUINEA, ASTER, AND TYPHA.

Threat: VEGETATION BURNING ASSOCIATED WITH MOSQUITO ABATEMENT PRACTICES. VEGETATION HAS BEEN CUT DOWN IN THE AREA.

General: 200 PLANTS OBSERVED IN WESTERN COLONY IN 1987. ONE + PLANT OBSERVED AT THE EAST COLONY IN 1989. ADDITIONAL COLONIES OBSERVED BY DWR IN 1992. MANY HISTORICAL COLLECTIONS. GROUND HAS BEEN BROKEN NEAR SLOUGH.

Owner/Manager: DFG-PEYTONIA SLOUGH ER

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 11 **Map Index:** 42511 **EO Index:** 42511

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1923-10-04
Site: 1923-10-04
Record Last Updated: 2000-03-08

Quad Summary: Jersey Island (3812116/480C), Bouldin Island (3812115/480D), Rio Vista (3812126/480B), Isleton (3812125/480A)
County Summary: Sacramento

Lat/Long: 38.15251º / -121.68141º
UTM: Zone-10 N4223558 E615530
Area:
Elevation: 5 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 03E
Section: 31 **Qtr:** XX
Meridian: M

Location: BRANNAN ISLAND.
Location Detail: EXACT LOCATION NOT KNOWN; POTENTIAL HABITAT ALONG PERIMETER OF ISLAND MAPPED TO REFLECT UNCERTAINTY OF COLLECTION LOCALITY. ACTUAL POPS PROBABLY NOT AS EXTENSIVE AS MAPPED AT CNDDB.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1923 COLLECTION BY W. JEPSON.
Owner/Manager: UNKNOWN

Occurrence No. 15 **Map Index:** 09734 **EO Index:** 19238

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1998-08-11

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.15781º / -122.06371º
UTM: Zone-10 N4223738 E582027
Area: 224.0 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02W
Section: 26 **Qtr:** XX
Meridian: M

Location: ALONG SUISUN SLOUGH, FROM WELLS SLOUGH SOUTH PAST ROOS CUT, INCLUDING HUNTER CUT, SUISUN MARSH.
Location Detail: MAPPED MOSTLY ON THE NORTH AND WEST SIDES OF SUISUN SLOUGH, THE MOUTH OF ROOS CUT, AND ALONG HUNTER CUT TO MONTEZUMA SLOUGH.
Ecological: BRACKISH MARSH IN TAMBA MUCKY CLAY. ASSOCIATED WITH TRIGLOCHIN, ARTEMISIA DOUGLASIANA, SCIRPUS, DIPSACUS, LEPIDIUM LATIFOLIUM AND ROSA CALIFORNICA.
General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994' (DWR). ECOLOGICAL COMMENTS BY LACEY (1986).
Owner/Manager: UNKNOWN

Occurrence No. 47 **Map Index:** 21929 **EO Index:** 8490

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-06-03
Site: 1991-06-03
Record Last Updated: 1997-12-09

Quad Summary: Honker Bay (3812118/481C), Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.12377º / -121.88897º
UTM: Zone-10 N4220131 E597382
Area: 49.0 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 03N
Range: 01E
Section: 08 **Qtr:** NE
Meridian: M

Location: MONTEZUMA SLOUGH, ALONG BEND ON EAST SIDE OF GRIZZLY ISLAND ABOUT 2 MILES NORTH OF GRIZZLY SLOUGH.
Location Detail: ALONG BOTH SIDES OF SLOUGH AT THE WEST END OF DINKELSPIEL ROAD; ABOUT 0.6 MILE (1 KM) SOUTH OF BIRD'S LANDING.
Ecological: GROWING IN ESTUARINE SALT MARSH ALONG THE BANK OF LEVEE. ASSOCIATED WITH PHRAGMITES, DISTICHLIS SPICATA, SCIRPUS ACUTUS, RUMEX CRISPUS, AND JUNCUS. LILAEOPSIS MASONII, A STATE LISTED RARE PLANT, GROWS ALONG THE WATER'S EDGE.
Threat: GRAZING AND FISHING ARE PRESENT THREATS; POSSIBLE IMPACTS FROM BANK MODIFICATION FOR WETLAND RESTORATION PROJECT.
General: APPROX. 25 PLANTS OBSERVED IN 1991. ADDITIONAL PLANTS OBSERVED IN 1992. SITE HAS SOME RIP-RAP, FISHING MAY LEAD TO TRAMPLING, AND GRAZING OCCURS. OWNED BY CATELLUS CORPORATION.
Owner/Manager: PVT

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 49 **Map Index:** 24967 **EO Index:** 15642

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1988-XX-XX
Site: 1988-XX-XX
Record Last Updated: 1994-02-10

Quad Summary: Rio Vista (3812126/480B)
County Summary: Solano

Lat/Long: 38.24109º / -121.66332º
UTM: Zone-10 N4233409 E616974
Area: 15.6 acres
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 03E
Section: 32 **Qtr:** XX
Meridian: M

Location: RYER ISLAND ALONG MINER SLOUGH, APPROX. 1 KM (0.5 MI) FROM THE SOUTHWEST TIP OF PROSPECT ISLAND.

Location Detail: ALONG WATER SIDE OF LEVEE NEAR MOUTH OF MINER SLOUGH.

General: MAP DETAIL IS ONLY SOURCE OF INFORMATION FOR THIS SITE. SITE QUALITY, POPULATION TRENDS, AND ECOLOGICAL INFORMATION NEEDED.

Owner/Manager: UNKNOWN

Occurrence No. 51 **Map Index:** 24990 **EO Index:** 6308

Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-03-15
Site: 1991-03-15
Record Last Updated: 1994-09-07

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25882º / -121.80975º
UTM: Zone-10 N4235202 E604133
Radius: 80 meters
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 24 **Qtr:** SE
Meridian: M

Location: NORTH BANK OF CALHOUN CUT, APPROX 400 METERS (1/4 MILE) WEST OF HIGHWAY 113.

Location Detail: FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONS. EASEMENT.

Ecological: INTERTIDAL SCIRPUS ACUTUS AND SALIX HINDSIANA MARSH.

Threat: MARSH SEVERELY DAMAGED BY EXHAUSTIVE SHEEP GRAZING.

General: 2 PLANTS OBSERVED IN 1991 (THERE MAY BE MORE). WITHAM AND KAREOFELAS SUGGEST THAT TEMPORARY ELECTRIC FENCING SHOULD BE USED TO KEEP SHEEP OUT OF MARSH DURING GROWING SEASON/YEAR-ROUND.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 52 **Map Index:** 24989 **EO Index:** 6307

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-07-XX
Site: 1994-07-XX
Record Last Updated: 1998-10-29

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26044º / -121.77651º
UTM: Zone-10 N4235420 E607039
Area: 222.5 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 02E
Section: 20 **Qtr:** XX
Meridian: M

Location: BARKER SLOUGH, CALHOUN CUT AND LINDSAY SLOUGH, ABOUT 1-1.5 MILES UP EACH SLOUGH FROM THEIR MUTUAL CONFLUENCE.

Location Detail: ACTUAL DISTRIBUTION OF LATHYRUS IS 2.1 MILES UP CALHOUN CUT, 1.3 MILE UP BARKER SLOUGH, AND 1.1 MILES UP LINDSEY SLOUGH. LILAEOPSIS MASONII #70 OVERLAPS THIS OCCURRENCE.

Ecological: GROWING WITHIN MIXED WILLOW SCRUB JUST ABOVE TIDAL ZONE. ASSOCIATED WITH ROSA CALIFORNICA AND SALIX EXIGUA. OTHER RARE PLANTS NEARBY INCLUDE ASTER LENTUS, LILAEOPSIS MASONII, AND LIMOSELLA SUBULATA.

Threat: NO THREATS NOTED IN 1994.

General: 25 PATCHES OF PLANTS OBSERVED IN 1994.

Owner/Manager: DFG-CALHOUN CUT ER, PVT

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 53 **Map Index:** 24962 **EO Index:** 6306

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1988-XX-XX
Site: 1988-XX-XX
Record Last Updated: 1994-02-10

Quad Summary: Liberty Island (3812136/497C)
County Summary: Solano

Lat/Long: 38.30275º / -121.72973º
UTM: Zone-10 N4240170 E611068
Area: 210.7 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 02E
Section: 2 **Qtr:** XX
Meridian: M

Location: HASS SLOUGH AND CACHE SLOUGH, ADJACENT TO THE SOUTHEAST END OF PETERS POCKET.

Location Detail: ALONG ISLANDS AND SHORELINE OF HASS SLOUGH FROM MOUTH UPSTREAM 3 KM AND ALONG SHORES OF CACHE SLOUGH FROM TIP OF PETERS POCKET UPSTREAM TO HASTINGS CUT.

General: 12 COLONIES OBSERVED IN 1988. MAP DETAIL IS ONLY SOURCE OF INFORMATION. SITE QUALITY AND ECOLOGICAL INFORMATION NEEDED.

Owner/Manager: UNKNOWN

Occurrence No. 54 **Map Index:** 24961 **EO Index:** 6305

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1988-XX-XX
Site: 1988-XX-XX
Record Last Updated: 1995-12-15

Quad Summary: Liberty Island (3812136/497C)
County Summary: Solano

Lat/Long: 38.29670º / -121.74571º
UTM: Zone-10 N4239479 E609680
Area: 10.1 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 02E
Section: 10 **Qtr:** XX
Meridian: M

Location: CACHE SLOUGH, NORTH BANK OF SLOUGH 2 KM (1.2 MI) WEST OF THE SOUTHEAST TIP OF PETERS POCKET.

General: MAP DETAIL IS ONLY SOURCE OF INFORMATION FOR THIS SITE. ECOLOGICAL AND SITE QUALITY INFORMATION NEEDED.

Owner/Manager: UNKNOWN

Occurrence No. 55 **Map Index:** 24984 **EO Index:** 8097

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1989-10-25
Site: 1989-10-25
Record Last Updated: 1993-12-27

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23908º / -122.03951º
UTM: Zone-10 N4232778 E584054
Radius: 80 meters
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02W
Section: 36 **Qtr:** XX
Meridian: M

Location: SUISUN CITY, WEST BANK OF SUISUN SLOUGH.

Location Detail: GROWING APPROX. 50 METERS (150') NORTH OF THE EAST END OF SOLANO STREET.

Ecological: GROWING IN NARROW STRIP BETWEEN WATER'S EDGE AND MOWN LAWN/PAVED AREA. ASSOCIATED WITH GRINDELIA HUMILIS, PHRAGMITES COMMUNIS, AMBROSIA PSILOSTACHYA, AND ATRIPLEX PATULA VAR. HASTATA.

Threat: FUTURE FLOOD AND EROSION CONTROL PROJECTS POSE POTENTIAL THREATS.

General: APPROX. 5 PLANTS OBSERVED IN 1989. SITE IS WITHIN A PRIVATELY OWNED MARINA. 1903 COLLECTION BY BAKER FROM SUISUN ATTRIBUTED TO THIS SITE.

Owner/Manager: PVT

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 75 **Map Index:** 37673 **EO Index:** 32675

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-09

Quad Summary: Honker Bay (3812118/481C), Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.12548º / -121.91601º
UTM: Zone-10 N4220292 E595010
Radius: 1/10 mile
Elevation: 5 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 03N
Range: 01W
Section: 12 **Qtr:** XX
Meridian: M

Location: MONTEZUMA SLOUGH ALONG EAST SIDE OF GRIZZLY ISLAND, WEST SIDE OF SLOUGH ABOUT 1.2 MILES SOUTH OF MEINS LANDING.
Location Detail: SINGLE COLONY MAPPED IN 1994.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).
Owner/Manager: UNKNOWN

Occurrence No. 76 **Map Index:** 37675 **EO Index:** 32677

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-09

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.13575º / -121.91454º
UTM: Zone-10 N4221433 E595125
Area: 49.5 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 03N
Range: 01E
Section: 06 **Qtr:** XX
Meridian: M

Location: MONTEZUMA SLOUGH ALONG EAST SIDE OF GRIZZLY ISLAND, WEST SIDE OF SLOUGH DOWNSTREAM FROM MEINS LANDING.
Location Detail: FROM OPPOSITE MEINS LANDING SOUTH ABOUT 0.5 MILES.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).
Owner/Manager: UNKNOWN

Occurrence No. 77 **Map Index:** 37677 **EO Index:** 32679

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-14

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.16396º / -121.93267º
UTM: Zone-10 N4224545 E593500
Area: 5.5 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 25 **Qtr:** XX
Meridian: M

Location: MONTEZUMA SLOUGH ALONG NORTHEAST SIDE OF GRIZZLY ISLAND, ALONG W SIDE OF SLOUGH SOUTH OF CONFLUENCE WITH NURSE SLOUGH.
Location Detail: FOUR COLONIES MAPPED NEAR LEVEES ALONG THE SHORE OPPOSITE LINGOS LANDING.
General: MAIN SOURCES OF INFORMATION ARE MAP DETAIL (STATE LANDS COMMISSION 1999, DEPARTMENT OF WATER RESOURCES 1994).
Owner/Manager: UNKNOWN

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 78 **Map Index:** 37678 **EO Index:** 32680

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-09

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.18051º / -121.91262º
UTM: Zone-10 N4226402 E595235
Radius: 1/10 mile
Elevation: 5 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 01E
Section: 19 **Qtr:** XX
Meridian: M

Location: SOUTH SIDE OF LITTLE HONKER BAY NORTHEAST OF GRIZZLY ISLAND, SUISUN MARSH.

Location Detail: SINGLE COLONY ALONG SHORE ABOUT 1.5 MILES NORTHWEST OF SHILO CHURCH AT MONTEZUMA.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).

Owner/Manager: UNKNOWN

Occurrence No. 79 **Map Index:** 37679 **EO Index:** 32681

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-14

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.18852º / -121.93025º
UTM: Zone-10 N4227272 E593681
Area: 41.7 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 13 **Qtr:** XX
Meridian: M

Location: WEST SIDE OF NURSE SLOUGH WEST OF BRADMOOR ISLAND, NORTHEAST OF GRIZZLY ISLAND, SUISUN MARSH.

Location Detail: FOUR COLONIES MAPPED IN 1992 AS ONE POLYGON AT CNDDB.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR). ALSO REPORTED IN 1999 MAP BY STATE LANDS COMMISSION.

Owner/Manager: UNKNOWN

Occurrence No. 80 **Map Index:** 37680 **EO Index:** 32682

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-14

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.18000º / -121.95440º
UTM: Zone-10 N4226303 E591577
Area: 104.2 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 22 **Qtr:** XX
Meridian: M

Location: CROSS SLOUGH AND ADJACENT MONTEZUMA SLOUGH, SUISUN MARSH.

Location Detail: MANY COLONIES MAPPED ALONG OR NEAR LEVEES FROM JUST WEST OF THE MOUTH TO THE LAST BEND AT THE NW END OF THE SLOUGH.

General: MAIN SOURCE OF INFO IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR). ALSO REPORTED IN 1999 MAP BY STATE LANDS COMMISSION. INCLUDES FORMER OCC #81, 82.

Owner/Manager: UNKNOWN

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 83 **Map Index:** 37683 **EO Index:** 32685

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-14

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.17612º / -121.95393º
UTM: Zone-10 N4225873 E591622
Area: 2.6 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 22 **Qtr:** XX
Meridian: M

Location: NORTH SIDE OF MONTEZUMA SLOUGH OPPOSITE THE NE END OF GRIZZLY ISLAND, ACROSS FROM MOUTH OF FROST SLOUGH, SUISUN MARSH.

Location Detail: SINGLE COLONY MAPPED ALONG LEVEE.

General: SITE REPORTED IN 1999 MAP BY STATE LANDS COMMISSION AND 1994 REPORT BY DEPARTMENT OF WATER RESOURCES.

Owner/Manager: UNKNOWN

Occurrence No. 84 **Map Index:** 37684 **EO Index:** 32686

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 2000-03-09

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.18647º / -121.98540º
UTM: Zone-10 N4226991 E588854
Area: 71.5 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 16 **Qtr:** XX
Meridian: M

Location: NORTH SIDE OF MONTEZUMA SLOUGH OPPOSITE THE NORTH END OF GRIZZLY ISLAND, VICINITY OF BELDONS LANDING AND CUTOFF SLOUGH.

Location Detail: SEVERAL COLONIES MAPPED FROM JUST EAST OF BELDONS LANDING TO JUST WEST OF CUTOFF SLOUGH IN 1992. MAPPED AS THREE POLYGONS AT CNDDB.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR). 75 PLANTS REPORTED IN TWO OF THE COLONIES IN 1991 MAP BY P. ALLEN.

Owner/Manager: UNKNOWN

Occurrence No. 85 **Map Index:** 37685 **EO Index:** 32687

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-09

Quad Summary: Denverton (3812128/481B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.16492º / -121.99494º
UTM: Zone-10 N4224591 E588044
Area: 117.8 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 29 **Qtr:** XX
Meridian: M

Location: TREE SLOUGH, NORTH END OF GRIZZLY ISLAND.

Location Detail: NUMEROUS COLONIES MAPPED ALONG THE LENGTH OF THE SLOUGH IN 1992. MAPPED AS TWO LONG POLYGONS AT CNDDB.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).

Owner/Manager: UNKNOWN

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 86 **Map Index:** 37686 **EO Index:** 32688

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-14

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.19527º / -121.92841º
UTM: Zone-10 N4228023 E593833
Area: 1.8 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 13 **Qtr:** XX
Meridian: M

Location: NORTH SIDE OF NURSE SLOUGH NEAR CONFLUENCE WITH DENVERTON SLOUGH AND 1 MILE SE OF LUCO HILL, SUISUN MARSH.
Location Detail: SINGLE COLONY MAPPED NEAR LEVEE.
General: SITE REPORTED IN 1999 MAP BY STATE LANDS COMMISSION AND 1994 REPORT BY DEPARTMENT OF WATER RESOURCES.
Owner/Manager: UNKNOWN

Occurrence No. 90 **Map Index:** 37694 **EO Index:** 32696

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 2000-03-08

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Denverton (3812128/481B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.18616º / -122.01388º
UTM: Zone-10 N4226930 E586360
Area: 166.5 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 19 **Qtr:** XX
Meridian: M

Location: SOUTH OF POTRERO HILLS ALONG CUTOFF SLOUGH, SECOND MALLARD BRANCH, AND MONTEZUMA SLOUGH, SUISUN MARSH.
Location Detail: NUMEROUS COLONIES MAPPED ALONG THE SLOUGH IN VICINITY OF MORROW ISLAND FARM, 1992.
General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR). 21 PLANTS SEEN WITHIN THIS AREA IN 1991.
Owner/Manager: UNKNOWN

Occurrence No. 91 **Map Index:** 37695 **EO Index:** 32697

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-11

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.16917º / -122.02114º
UTM: Zone-10 N4225038 E585744
Radius: 1/10 mile
Elevation: 5 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01W
Section: 30 **Qtr:** XX
Meridian: M

Location: SOUTH SIDE OF MONTEZUMA SLOUGH ALONG GRIZZLY ISLAND, NEAR THE GRIZZLY ISLAND CLUB.
Location Detail: SINGLE COLONY MAPPED IN 1992.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).
Owner/Manager: UNKNOWN

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 92 **Map Index:** 37696 **EO Index:** 32698

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-11

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.17064º / -122.02649º
UTM: Zone-10 N4225196 E585274
Radius: 1/10 mile
Elevation: 5 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 25 **Qtr:** XX
Meridian: M

Location: NORTH SIDE OF MONTEZUMA SLOUGH ALONG JOICE ISLAND, BETWEEN MONTEZUMA CLUB AND GRIZZLY ISLAND CLUB.

Location Detail: SINGLE COLONY MAPPED IN 1992.

General: MAPPED FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR). 1951 COLLECTION BY CARTER FROM JOICE ISLAND STATE GAME REFUGE ATTRIBUTED TO THIS SITE.

Owner/Manager: UNKNOWN

Occurrence No. 93 **Map Index:** 37697 **EO Index:** 32699

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-11

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.17210º / -122.03302º
UTM: Zone-10 N4225352 E584700
Radius: 1/10 mile
Elevation: 5 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 24 **Qtr:** XX
Meridian: M

Location: NORTH SIDE OF MONTEZUMA SLOUGH ALONG JOICE ISLAND, OPPOSITE FROM THE MONTEZUMA CLUB.

Location Detail: SINGLE COLONY MAPPED IN 1992.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).

Owner/Manager: UNKNOWN

Occurrence No. 94 **Map Index:** 37698 **EO Index:** 32700

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-11

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.17036º / -122.03984º
UTM: Zone-10 N4225152 E584105
Area: 19.4 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 25 **Qtr:** XX
Meridian: M

Location: NORTHWEST SIDE OF MONTEZUMA SLOUGH ALONG JOICE ISLAND, WEST OF THE MONTEZUMA CLUB.

Location Detail: TWO COLONIES MAPPED IN 1992.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).

Owner/Manager: UNKNOWN

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 95 **Map Index:** 37703 **EO Index:** 32705

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.16528º / -122.04572º
UTM: Zone-10 N4224583 E583595
Radius: 1/10 mile
Elevation: 5 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 26 **Qtr:** XX
Meridian: M

Location: WEST SIDE OF MONTEZUMA SLOUGH ALONG JOICE ISLAND, ABOUT 0.75 MILE NORTH OF HUNTER CUT.

Location Detail: SINGLE COLONY MAPPED IN 1992.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).

Owner/Manager: UNKNOWN

Occurrence No. 96 **Map Index:** 37705 **EO Index:** 32707

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.14925º / -122.05810º
UTM: Zone-10 N4222794 E582529
Area: 22.9 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 35 **Qtr:** XX
Meridian: M

Location: WEST SIDE OF MONTEZUMA SLOUGH ALONG JOICE ISLAND, ABOUT 0.3-0.7 MILE SOUTH OF HUNTER CUT.

Location Detail: TWO COLONIES MAPPED IN 1992.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).

Owner/Manager: UNKNOWN

Occurrence No. 97 **Map Index:** 37706 **EO Index:** 32708

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.13656º / -122.06240º
UTM: Zone-10 N4221382 E582166
Area: 14.1 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 03N
Range: 02W
Section: 02 **Qtr:** XX
Meridian: M

Location: WEST SIDE OF MONTEZUMA SLOUGH ALONG JOICE ISLAND, ABOUT 1.5 MILES SOUTH OF HUNTER CUT NEAR MOUTH OF SLOUGH.

Location Detail: TWO COLONIES MAPPED IN 1992.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).

Owner/Manager: UNKNOWN

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 98 **Map Index:** 37707 **EO Index:** 32709

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.21381º / -122.03537º
UTM: Zone-10 N4229978 E584446
Area: 52.2 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 12 **Qtr:** XX
Meridian: M

Location: UPPER SUISUN SLOUGH FROM BOYNTON SLOUGH NORTH TO RUSH LANDING, SUISUN MARSH.
Location Detail: SEVERAL COLONIES MAPPED IN 1992.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).
Owner/Manager: UNKNOWN

Occurrence No. 99 **Map Index:** 37708 **EO Index:** 32710

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.22112º / -122.02941º
UTM: Zone-10 N4230794 E584959
Area: 45.8 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 01 **Qtr:** XX
Meridian: M

Location: UPPER SUISUN SLOUGH AT MOUTH OF HILL SLOUGH, SUISUN MARSH.
Location Detail: SEVERAL COLONIES MAPPED IN 1992.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR). SEVERAL OLD COLLECTIONS FROM SUISUN MARSHES ATTRIBUTED TO THIS SITE.
Owner/Manager: UNKNOWN

Occurrence No. 100 **Map Index:** 37709 **EO Index:** 32711

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.22478º / -122.05363º
UTM: Zone-10 N4231178 E582835
Area: 46.0 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 02 **Qtr:** XX
Meridian: M

Location: UPPER PEYTONIA SLOUGH ALONG BOTH SIDES OF RR TRACKS, SUISUN MARSH.
Location Detail: SEVERAL COLONIES MAPPED IN 1992.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).
Owner/Manager: UNKNOWN

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 101 **Map Index:** 37710 **EO Index:** 32712

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-09-27
Site: 2000-09-27
Record Last Updated: 2002-11-25

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.22586º / -122.01197º
UTM: Zone-10 N4231336 E586480
Radius: 80 meters
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 01W
Section: 06 **Qtr:** XX
Meridian: M

Location: HILL SLOUGH ABOUT 0.9 MILE NNE OF SUISUN HILL, SUISUN MARSH.

Location Detail: SINGLE COLONY MAPPED IN 1992.

Threat: CATTLE GRAZING AND TRAMPLING MAY THREATEN.

General: MAIN SOURCE OF INFO IS MAP FROM "SUMMARY OF SENSITIVE PLANT & WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR). UNKNOWN NUMBER OF PLANTS SEEN ALONG HILL SLOUGH DURING 2000 SURVEY FOR CORDYLANTHUS MOLLIS SSP. MOLLIS.

Owner/Manager: UNKNOWN

Occurrence No. 102 **Map Index:** 37711 **EO Index:** 32713

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.20558º / -122.06125º
UTM: Zone-10 N4229041 E582190
Area: 28.7 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 11 **Qtr:** XX
Meridian: M

Location: UPPER BOYNTON SLOUGH ALONG BOTH SIDES OF RR TRACKS, SUISUN MARSH.

Location Detail: SEVERAL COLONIES MAPPED IN 1992 TWO POLYGONS AT CNDDB.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).

Owner/Manager: UNKNOWN

Occurrence No. 103 **Map Index:** 37712 **EO Index:** 32714

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.20221º / -122.04119º
UTM: Zone-10 N4228685 E583950
Area: 67.3 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 14 **Qtr:** XX
Meridian: M

Location: SHELDRAKE SLOUGH & ADJACENT SUISUN SLOUGH, FROM MOUTH OF SHELDRAKE SLOUGH NORTH ABOUT 0.7 MILE, SUISUN MARSH.

Location Detail: SEVERAL COLONIES MAPPED IN 1992.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).

Owner/Manager: UNKNOWN

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 104 **Map Index:** 37713 **EO Index:** 32715

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19114º / -122.04015º
UTM: Zone-10 N4227458 E584053
Radius: 80 meters
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 04N
Range: 02W
Section: 13 **Qtr:** XX
Meridian: M

Location: NORTH SIDE OF SUISUN SLOUGH ABOUT 0.5 MILE SOUTH OF THE MOUTH OF SHELDRAKE SLOUGH, SUISUN MARSH.

Location Detail: SINGLE COLONY MAPPED IN 1992.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).

Owner/Manager: UNKNOWN

Occurrence No. 105 **Map Index:** 37714 **EO Index:** 32716

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 2000-03-09

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.17898º / -122.05690º
UTM: Zone-10 N4226094 E582600
Area: 108.9 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02W
Section: 23 **Qtr:** XX
Meridian: M

Location: SUISUN SLOUGH IN VICINTIY OF NAVY POINT, SUISUN MARSH.

Location Detail: MAPPED ALONG ALONG BOTH SIDES OF SLOUGH FROM ABOUT 0.6 MILE NE OF POINT TO 0.7 MILE SE OF POINT. SEVERAL COLONIES MAPPED IN 1992.

General: MAIN SOURCES OF MAP DETAIL FOR THIS SITE ARE "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994' (DWR) AND 1991 MAP BY P. ALLEN.

Owner/Manager: UNKNOWN

Occurrence No. 106 **Map Index:** 37716 **EO Index:** 32718

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.17255º / -122.06114º
UTM: Zone-10 N4225376 E582236
Radius: 80 meters
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 04N
Range: 02W
Section: 23 **Qtr:** XX
Meridian: M

Location: NORTH SIDE OF SUISUN SLOUGH JUST EAST OF WELLS SLOUGH, SUISUN MARSH.

Location Detail: SINGLE COLONY MAPPED IN 1992.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).

Owner/Manager: UNKNOWN

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 107 **Map Index:** 37717 **EO Index:** 32719

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.18206º / -122.06980º
UTM: Zone-10 N4226424 E581467
Radius: 80 meters
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 22 **Qtr:** XX
Meridian: M

Location: ALONG WELLS SLOUGH ABOUT 0.2 MILE NORTHEST OF CONFLUENCE WITH CHADBOURNE SLOUGH, SUISUN MARSH.

Location Detail: SINGLE COLONY MAPPED IN 1992.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).

Owner/Manager: UNKNOWN

Occurrence No. 108 **Map Index:** 37718 **EO Index:** 32720

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 2000-03-08

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.18619º / -122.09389º
UTM: Zone-10 N4226861 E579353
Area: 82.1 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 16 **Qtr:** XX
Meridian: M

Location: CHADBOURNE SLOUGH, ABOUT 1-2 MILES WEST OF CONFLUENCE WITH WELLS SLOUGH, SUISUN MARSH.

Location Detail: SEVERAL COLONIES MAPPED IN 1992.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR). 72 PLANTS SEEN WITHIN THIS AREA IN 1991.

Owner/Manager: UNKNOWN

Occurrence No. 109 **Map Index:** 37719 **EO Index:** 32721

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19733º / -122.12030º
UTM: Zone-10 N4228075 E577028
Area: 18.7 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 18 **Qtr:** XX
Meridian: M

Location: UPPER CORDELIA SLOUGH, ABOUT 1.5 MILES SSW OF THE SPRR AT THOMASSON, SUISUN MARSH.

Location Detail: SEVERAL COLONIES MAPPED IN 1992 AS TWO POLYGONS AT CNDDB.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).

Owner/Manager: UNKNOWN

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 110 **Map Index:** 37720 **EO Index:** 32722

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.18561º / -122.11740º
UTM: Zone-10 N4226777 E577294
Area: 137.2 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 17 **Qtr:** XX
Meridian: M

Location: CORDELIA SLOUGH, ABOUT 1.5-2.5 MILES SOUTH OF THE SPRR AT THOMASSON, SUISUN MARSH.

Location Detail: SEVERAL COLONIES MAPPED IN 1992.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).

Owner/Manager: UNKNOWN

Occurrence No. 111 **Map Index:** 37721 **EO Index:** 32723

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.17315º / -122.10086º
UTM: Zone-10 N4225408 E578756
Area: 156.4 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 20 **Qtr:** XX
Meridian: M

Location: VICINITY OF FRANK HORAN SLOUGH, FROM 0.5-1.3 MILES WEST OF TEAL AND 0.5-1 MILE SOUTH OF CHADBOURNE SLOUGH, SUISUN MARSH.

Location Detail: SEVERAL COLONIES MAPPED IN 1992.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).

Owner/Manager: UNKNOWN

Occurrence No. 112 **Map Index:** 37722 **EO Index:** 32724

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.15710º / -122.09983º
UTM: Zone-10 N4223628 E578864
Area: 194.6 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 32 **Qtr:** XX
Meridian: M

Location: CORDELIA SLOUGH, FROM 0.3 MILE NW OF IBIS CUT TO 0.2 MILE EAST OF CYGNUS (SPRR), SUISUN MARSH.

Location Detail: SEVERAL COLONIES MAPPED IN 1991, 1992.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR). CUNEO VISITED PART OF SITE IN 1989. 172 PLANTS SEEN IN 1991 (ALLEN).

Owner/Manager: UNKNOWN

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 113 **Map Index:** 37723 **EO Index:** 32725

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 2000-03-09

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.14438º / -122.09028º
UTM: Zone-10 N4222225 E579715
Radius: 80 meters
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 33 **Qtr:** XX
Meridian: M

Location: CORDELIA SLOUGH, ABOUT 0.7 MILE DUE SOUTH OF CYGNUS (SPRR), SUISUN MARSH.
Location Detail: SINGLE COLONY MAPPED IN 1991, 1992.
General: MAIN SOURCES OF INFORMATION FOR THIS SITE ARE 1991 MAP BY P. ALLEN AND MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).
Owner/Manager: UNKNOWN

Occurrence No. 114 **Map Index:** 37724 **EO Index:** 32726

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.13211º / -122.08747º
UTM: Zone-10 N4220866 E579974
Radius: 80 meters
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 03N
Range: 02W
Section: 04 **Qtr:** XX
Meridian: M

Location: GOODYEAR SLOUGH, ABOUT 0.25 MILE SOUTH OF CONFLUENCE WITH CORDELIA SLOUGH, SUISUN MARSH.
Location Detail: SINGLE COLONY MAPPED IN 1992.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).
Owner/Manager: UNKNOWN

Occurrence No. 115 **Map Index:** 37726 **EO Index:** 32728

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.12828º / -122.09664º
UTM: Zone-10 N4220433 E579174
Area: 23.9 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 03N
Range: 02W
Section: 04 **Qtr:** XX
Meridian: M

Location: GOODYEAR SLOUGH ALONG NORTH SIDE OF MORROW ISLAND, ABOUT 0.1-0.5 MILE EAST OF PIERCE (SPRR) SUISUN SLOUGH.
Location Detail: SEVERAL COLONIES MAPPED IN 1992.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).
Owner/Manager: UNKNOWN

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 116 **Map Index:** 37727 **EO Index:** 32729

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 1997-12-15

Quad Summary: Vine Hill (3812211/482D), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.12698º / -122.08290º
UTM: Zone-10 N4220301 E580380
Area: 32.6 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 03N
Range: 02W
Section: 10 **Qtr:** XX
Meridian: M

Location: SUISUN SLOUGH ABOUT 0.5-1 MILE SOUTH OF CONFLUENCE WITH CORDELIA SLOUGH, SUISUN SLOUGH.
Location Detail: SEVERAL COLONIES MAPPED IN 1992.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP FROM 1994 REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994 (DWR).
Owner/Manager: UNKNOWN

Occurrence No. 117 **Map Index:** 43737 **EO Index:** 43737

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-14

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.21301º / -121.92441º
UTM: Zone-10 N4229996 E594161
Area: 1.3 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 12 **Qtr:** XX
Meridian: M

Location: LUCO SLOUGH, WEST BRANCH OF SLOUGH ABOUT 1 MILE NORTH OF CONFLUENCE WITH NURSE SLOUGH, SUISUN MARSH.
Location Detail: SINGLE COLONY MAPPED NEAR LEVEE.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1999 MAP BY STATE LANDS COMMISSION.
Owner/Manager: UNKNOWN

Occurrence No. 118 **Map Index:** 43738 **EO Index:** 43738

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-14

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.20667º / -121.92378º
UTM: Zone-10 N4229293 E594224
Area: 1.2 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 12 **Qtr:** XX
Meridian: M

Location: LUCO SLOUGH, NORTH END OF ISLAND AT FORK IN SLOUGH ABOUT 0.5 MILE NORTH OF CONFLUENCE WITH NURSE SLOUGH, SUISUN MARSH.
Location Detail: SINGLE COLONY MAPPED NEAR LEVEE.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1999 MAP BY STATE LANDS COMMISSION.
Owner/Manager: UNKNOWN

Lathyrus jepsonii var. jepsonii

Delta tule pea

Element Code: PDFAB250D2

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES.
Micro: OFTEN FOUND W/ TYPHA, ASTER LENTUS, ROSA CALIF., JUNCUS SPP., SCIRPUS, ETC. USUALLY ON MARSH AND SLOUGH EDGES.

Occurrence No. 119 **Map Index:** 43739 **EO Index:** 43739
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-14

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.18810º / -121.94298º
UTM: Zone-10 N4227213 E592567
Area: 4.6 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 14 **Qtr:** XX
Meridian: M

Location: HASTING SLOUGH, ABOUT 0.5 MILE UPSTREAM FROM CONFLUENCE WITH CROSS SLOUGH, SUISUN MARSH.
Location Detail: THREE COLONIES MAPPED NEAR LEVEES ALONG THE SLOUGH.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1999 MAP BY STATE LANDS COMMISSION.
Owner/Manager: UNKNOWN

Occurrence No. 120 **Map Index:** 43740 **EO Index:** 43740
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-14

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.18512º / -121.91206º
UTM: Zone-10 N4226914 E595278
Area: 1.6 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01E
Section: 18 **Qtr:** XX
Meridian: M

Location: BRADMOOR ISLAND, NORTH SIDE OF LITTLE HONKER BAY, SUISUN MARSH.
Location Detail: SINGLE COLONY MAPPED NEAR LEVEE.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1999 MAP BY STATE LANDS COMMISSION.
Owner/Manager: UNKNOWN

Occurrence No. 121 **Map Index:** 43741 **EO Index:** 43741
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-14

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.17206º / -121.92825º
UTM: Zone-10 N4225448 E593877
Area: 1.1 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 24 **Qtr:** XX
Meridian: M

Location: NORTH OF KIRBY HILL, ALONG SOUTH SIDE OF NURSE SLOUGH OPPOSITE MOUTH OF CROSS SLOUGH, SUISUN MARSH.
Location Detail: SINGLE COLONY MAPPED NEAR LEVEE.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1999 MAP BY STATE LANDS COMMISSION.
Owner/Manager: UNKNOWN

Legenere limosa

legenere

Element Code: PDCAM0C010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VERNAL POOLS. MANY HISTORICAL OCCURRENCES ARE EXTIRPATED.
Micro: IN BEDS OF VERNAL POOLS. 1-880M.

Occurrence No. 1 **Map Index:** 10590 **EO Index:** 6806

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-05-04
Site: 1994-05-04
Record Last Updated: 1996-01-02

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25839º / -121.80464º
UTM: Zone-10 N4235160 E604581
Radius: 80 meters
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02E
Section: 19 **Qtr:** SW
Meridian: M

Location: CALHOUN CUT ECOLOGICAL RESERVE, MARGIN OF BARKERS SLOUGH ALONG DIXON-RIO VISTA RD (HWY 113), 5.2 MI N OF JCT W/HWY 12.

Location Detail: SOUTH SIDE OF SLOUGH. LEGENERE FOUND IN WETTER AREAS NEAR BOTTOM OF DEPRESSION.

Ecological: MARGINS OF SLOUGH WITH DOWNINGIA PUSILLA, CRASSULA AQUATICA, LASTHENIA GLABERRIMA, & PLAGIOBOTHRYS UNDULATUS.

Threat: SLOUGH ALTERED BY PIPELINE CONSTRUCTION BUT VERNAL POOL HABITAT REMAINS. NONNATIVE PHYLLA NODIFLORA MAY ALSO THREATEN.

General: ABUNDANT IN 1961. SEARCHED FOR BUT NOT FOUND 1975, 1980, 1983. SEEN IN 1991, OVER 100 PLANTS IN 1994.

Owner/Manager: DFG-CALHOUN CUT ER

Occurrence No. 2 **Map Index:** 09829 **EO Index:** 17390

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Unknown

Dates Last Seen
Element: 1892-05-03
Site: 1983-05-22
Record Last Updated: 2008-01-15

Quad Summary: Fairfield South (3812221/482A), Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.25379º / -122.02497º
UTM: Zone-10 N4234424 E585310
Radius: 1 mile
Elevation: 20 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02W
Section: 30 **Qtr:** NW
Meridian: M

Location: RAILROAD TRACK ABOUT 1 MILE NORTH AND 1 MILE EAST OF SUISUN STATION.

Location Detail: TRENCHES ALONG RAILROAD.

Threat: SITE HAS BEEN DISTURBED BY DEVELOPMENT, ORV USE, AND WASTE DUMPING.

General: OCCURRENCE KNOWN ONLY FROM TWO 1892 COLLECTIONS BY BRANDEGEE. HOLLAND ATTEMPTED TO RELOCATE SITE IN 1983, BUT NO SUITABLE HABITAT COULD BE FOUND. OCCURRENCE HAS BEEN EXTIRPATED.

Owner/Manager: UNKNOWN

Occurrence No. 3 **Map Index:** 23957 **EO Index:** 7224

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Unknown

Dates Last Seen
Element: 1890-05-XX
Site: 1983-05-22
Record Last Updated: 1993-07-22

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.35022º / -121.90850º
UTM: Zone-10 N4245237 E595374
Radius: 1 mile
Elevation: 70 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01E
Section: 19 **Qtr:** XX
Meridian: M

Location: LOWER SACRAMENTO VALLEY, NEAR ELMIRA.

Ecological: OBSERVED GROWING IN FIELDS IN 1890.

Threat: AGRICULTURAL DEVELOPMENT HAS ELIMINATED HABITAT FOR LEGENERE IN THIS VICINITY.

General: TYPE LOCALITY. SEARCHED FOR IN 1983 BUT NOT FOUND; SITE EXTIRPATED ACCORDING TO HOLLAND (1983).

Owner/Manager: UNKNOWN

Legenere limosa

legenere

Element Code: PDCAM0C010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VERNAL POOLS. MANY HISTORICAL OCCURRENCES ARE EXTIRPATED.
Micro: IN BEDS OF VERNAL POOLS. 1-880M.

Occurrence No. 15 **Map Index:** 10341 **EO Index:** 17381
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1985-04-14
Site: 1985-04-14
Record Last Updated: 1989-08-11

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.21935º / -121.88051º
UTM: Zone-10 N4230745 E597996
Radius: 1/5 mile
Elevation: 65 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 01E
Section: 05 **Qtr:** SE
Meridian: M

Location: SOUTH SIDE OF LAMBIE RD, 0.45 MI EAST OF JCT W/HWY 12, SE OF DENVERTON.
Location Detail: JUST INSIDE FENCE.
Ecological: ASSOCIATED WITH LASTHENIA, DOWNINGIA, PSILOCARPHUS AND NAVARRETIA.
Owner/Manager: UNKNOWN

Occurrence No. 16 **Map Index:** 67507 **EO Index:** 6796
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-05-05
Site: 1991-05-05
Record Last Updated: 2006-12-27

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26522º / -121.82980º
UTM: Zone-10 N4235890 E602370
Area: 25.0 acres
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 23 **Qtr:** E
Meridian: M

Location: SOUTH OF OLCOTT LAKE BETWEEN COOK LANE AND RAILROAD TRACKS, JEPSON PRAIRIE.
Location Detail: FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS AND OPEN SPACE ON 8/97. TNC RETAINS CONSERVATION EASEMENT.
Ecological: VERNAL POOLS AND SURROUNDING GRASSLAND. ASSOCIATED WITH ELEOCHARIS MACROSTACHYA, LASTHENIA GLABERRIMA, AND OTHER RARE PLANTS: GRATIOLA HETEROSEPALA & DOWNINGIA PUSILLA.
Threat: LIGHT GRAZING.
General: INCLUDES FIVE POOLS/DITCHES: CANTEEN DITCH, BUNNY DITCH, HOLLAND POOL, BIG POOL, AND CORNER POOL AS NAMED BY WOODWARD AND BOYD. INCLUDES FORMER OCCURRENCE #20.
Owner/Manager: SOLANO LAND TRUST

Occurrence No. 17 **Map Index:** 10553 **EO Index:** 6811
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1985-04-06
Site: 1985-04-06
Record Last Updated: 1993-12-30

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26073º / -121.82182º
UTM: Zone-10 N4235400 E603075
Radius: 80 meters
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 24 **Qtr:** SW
Meridian: M

Location: APPROX 0.7 AIRMI SOUTH OF OLCOTT LAKE, 0.1 MI E OF COOK LANE; JEPSON PRAIRIE.
Location Detail: FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONS. EASEMENT.
Ecological: IN BROAD, SHALLOW VERNAL POOL. ASSOCIATED WITH ELEOCHARIS MACROSTACHYA, LASTHENIA GLABERRIMA.
Threat: LIGHT GRAZING.
General: FEWER THAN 50 PLANTS OBSERVED IN 1985.
Owner/Manager: SOLANO LAND TRUST

Legenere limosa

legenere

Element Code: PDCAM0C010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VERNAL POOLS. MANY HISTORICAL OCCURRENCES ARE EXTIRPATED.
Micro: IN BEDS OF VERNAL POOLS. 1-880M.

Occurrence No. 18 **Map Index:** 10584 **EO Index:** 6803
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1985-05-22
Site: 1985-05-22
Record Last Updated: 1993-12-30

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27204º / -121.80726º
UTM: Zone-10 N4236672 E604333
Radius: 80 meters
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 13 **Qtr:** SE
Meridian: M

Location: JEPSON PRAIRIE AT "DITCH POOL NEAR RD".

Location Detail: JUST WEST OF HWY 113, 0.8 KM (0.5 MI) SOUTH OF BRIDGE OVER BARKER SLOUGH. FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONS. EASEMENT.

Ecological: VERNAL POOL ASSOCIATED WITH ELEOCHARIS.

Threat: SHEEP GRAZING HAS CAUSED SEVERE DAMAGE.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 19 **Map Index:** 10566 **EO Index:** 6802
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1985-05-XX
Site: 1985-05-XX
Record Last Updated: 1993-12-30

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27690º / -121.81536º
UTM: Zone-10 N4237202 E603617
Area: 20.9 acres
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 13 **Qtr:** SW
Meridian: M

Location: JEPSON PRAIRIE, 0.5 MI NE OF OLCOTT LAKE.

Location Detail: FOUR COLONIES MAPPED AS A SINGLE POLYGON 0.8 KM (0.5 MI) EAST OF COOK LANE AT RR TRACKS. FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONS. EASEMENT.

Ecological: VERNAL POOLS. ASSOCIATED WITH ELEOCHARIS.

General: INCLUDES FOUR POOLS: FENCE POOL, EUCALYPTUS POOL, CUT EUCALYPTUS POOL AND FIELD POOL, AS NAMED BY WOODWARD AND BOYD, 1985.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 23 **Map Index:** 24750 **EO Index:** 9221
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-04-30
Site: 1991-04-30
Record Last Updated: 1993-12-29

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26560º / -121.86054º
UTM: Zone-10 N4235898 E599681
Area: 11.4 acres
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 22 **Qtr:** NW
Meridian: M

Location: 4.5 KM (2.5 MI) WSW OF DOZIER.

Location Detail: TWO COLONIES MAPPED AS ONE POLYGON APPROX. 2.2 KM (1.4 MI) SOUTH OF THE SACRAMENTO NORTHERN RR TRACKS AND 3.2 KM (2 MI) WEST OF COOK LANE.

Ecological: GROWING IN VERNAL POOLS WITH DOWNINGIA PUSILLA, LASTHENIA FREMONTII, PLEUROPOGON CALIFORNICUS, AND DESCHAMPSIA DANTHONIOIDES.

Threat: AREA OVERGAZED BY CATTLE, POOLS DAMAGED BY CATTLE TRAMPLING AS EVIDENCED BY HOOFPRINTS.

General: NONE.

Owner/Manager: PVT

Legenere limosa

legenere

Element Code: PDCAM0C010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VERNAL POOLS. MANY HISTORICAL OCCURRENCES ARE EXTIRPATED.
Micro: IN BEDS OF VERNAL POOLS. 1-880M.

Occurrence No. 24 **Map Index:** 24754 **EO Index:** 6813
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-05-02
Site: 1991-05-02
Record Last Updated: 2005-10-03

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25765º / -121.84308º
UTM: Zone-10 N4235035 E601219
Radius: 80 meters
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 22 **Qtr:** SE
Meridian: M

Location: 4 KM (2.4 MILES) SOUTHWEST OF DOZIER ALONG THE RAILROAD TRACKS.
Location Detail: GROWING IN A POOL IN THE EXTREME SOUTHEAST CORNER OF SECTION 22, JUST WEST OF THE RAILROAD TRACKS.
Ecological: GROWING IN A VERNAL POOL IN ASSOCIATION WITH ASTRAGALUS TENER TENER, DOWNINGIA PUSILLA, LEPIDIUM LATIPES, HORDEUM GENICULATUM, LASTHENIA FREMONTII, DESCHAMPSIA DANTHONIOIDES, AND VULPIA BROMOIDES.
Owner/Manager: PVT

Occurrence No. 25 **Map Index:** 30195 **EO Index:** 12959
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-04-03
Site: 1990-04-03
Record Last Updated: 1995-11-01

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25448º / -121.80253º
UTM: Zone-10 N4234728 E604772
Radius: 80 meters
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02E
Section: 30 **Qtr:** NW
Meridian: M

Location: CALHOUN CUT ECOLOGICAL RESERVE, 0.25 MILE SOUTH OF CALHOUN CUT AND 0.15 MILE EAST OF HIGHWAY 113, SOUTHEAST OF DOZIER.
Location Detail: MAPPED WITHIN THE NW 1/4 OF THE NW 1/4 OF SECTION 30.
Ecological: VERNAL POOL. ASSOCIATED WITH PLAGIOBOTHRYS STIPITATUS, LILAEA SCILLOIDES, AND DOWNINGIA PUSILLA.
General: 100'S TO 1000'S OBSERVED IN 1990. SITE IS WITHIN THE DFG CALHOUN CUT ECOLOGICAL RESERVE.
Owner/Manager: DFG-CALHOUN CUT ER

Occurrence No. 56 **Map Index:** 48970 **EO Index:** 48970
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-15
Site: 2002-04-15
Record Last Updated: 2002-10-09

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26251º / -121.78752º
UTM: Zone-10 N4235636 E606073
Area: 2.2 acres
Elevation: 8 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 02E
Section: 19 **Qtr:** SE
Meridian: M

Location: CALHOUN CUT ECOLOGICAL RESERVE, BETWEEN CALHOUN CUT AND BARKER SLOUGH, 2.2 AIRMILES SOUTHEAST OF DOZIER.
Location Detail: MAPPED WITHIN THE NE 1/4 OF THE SE 1/4 OF SECTION 19.
Ecological: ON EDGE OF CREATED MITIGATION SEASONAL WETLAND WITH PLAGIOBOTHRYS STIPITATUS, PSILOCARPUS TENELLUS VAR. GLOBIFERUS, AND RUMEX SEEDLINGS. MYOSURUS MINIMUS ALSO PRESENT.
Threat: SHEEP GRAZING MAY OR MAY NOT BE A THREAT.
General: 12 PLANTS OBSERVED IN 2002.
Owner/Manager: DFG-CALHOUN CUT ER

Lepidium latipes var. heckardii

Heckard's pepper-grass

Element Code: PDBRA1M0K1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4T1
State: S1.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: GRASSLAND, AND SOMETIMES VERNAL POOL EDGES. ALKALINE SOILS. 3-30M.

Occurrence No. 7 **Map Index:** 28792 **EO Index:** 30160

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: XXXX-XX-XX
Site: XXXX-XX-XX
Record Last Updated: 1997-02-04

Quad Summary: Liberty Island (3812136/497C), Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.31118º / -121.73559º
UTM: Zone-10 N4241098 E610543
Area:
Elevation: 10 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 02E
Section: 03 **Qtr:** XX
Meridian: M

Location: HAAS SLOUGH.

Location Detail: MAPPED ALONG THE FULL EXTENT OF HAAS SLOUGH WHICH EXTENDS ONTO THE DOZIER QUAD. SURVEYS NEEDED.

General: 2 COLLEC. BY JEPSON. R. ROLLINS (IN ROL93A01 AT CNDDB) CONCLUDED THAT THESE PLANTS ARE "UNDOUBTEDLY" L. LATIPES HECKARDII BASED ON COMMENTS ON ONE OF THE LABELS WHICH STATES, "A REMARKABLE FORM WITH LONG ERECT STEMS 11 1/2 INCHES HIGH".

Owner/Manager: UNKNOWN

Occurrence No. 9 **Map Index:** 51705 **EO Index:** 54737

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-03-30
Site: 2002-03-30
Record Last Updated: 2004-03-18

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26438º / -121.86270º
UTM: Zone-10 N4235761 E599493
Area: 7.7 acres
Elevation: 35 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01E
Section: 21 **Qtr:** NE
Meridian: M

Location: 2.2 MILES WSW OF OLCOTT, WSW OF DOZIER.

Location Detail: MAPPED WITHIN THE SE 1/4 OF THE NE 1/4 OF SECTION 21. (WILCOX RANCH SITES)

Ecological: ALKALINE VERNAL FLAT WITH LASTHENIA FREMONTII, BLENNOSPERMA NANUM, LOLIUM MULTIFLORUM, PLEUROPOGON, DESCHAMPSIA DANTHONIOIDES, LEPIDIUM NITIDUM, LEPIDIUM OXYCARPUM, FRANKENIA, CRESSA TRUXILLENSIS, ALOPECURUS SACCATUS, COTULA CORONOPIFOLIA.

Threat: TRAMPLING, DEER HOOFPRINTS.

General: UNKNOWN NUMBER PLANTS OBSERVED IN 2002. WILCOX RANCH IS BEING PURCHASED BY TNC. THE RARE LEPIDIUM LATPIES VAR. LATIPES AND ASTRAGALUS TENER VAR. TENER ALSO OCCUR AT THIS SITE.

Owner/Manager: TNC

Occurrence No. 10 **Map Index:** 54738 **EO Index:** 54738

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-04-XX
Site: 2003-04-XX
Record Last Updated: 2004-03-18

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.45933º / -121.67422º
UTM: Zone-10 N4257613 E615672
Area: 1.4 acres
Elevation: 15 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 07N
Range: 03E
Section: 17 **Qtr:** NW
Meridian: M

Location: WEST OF SACRAMENTO NORTHERN RAILROAD, AT INTERSECTION OF ROAD 38 AND ROAD 105.

Location Detail: TWO COLONIES MAPPED AS ONE POLYGON IN THE NORTHWESTERNMOST CORNER OF THE NORTHWEST 1/4 OF SECTION 17.

Ecological: MESIC GRASSLAND DOMINATED BY LASTHENIA GLABRATA ANS LOLIUM MULTIFLORUM. ASSOCIATES INCLUDE LAYIA CHRYSANTHEMOIDES, BLENNOSPERMA NANUM AND VARIOUS OTHERS. OCCASIONALLY OCCURRING WITH VAR. LATIPES.

Threat: CATTLE GRAZING.

General: >1000 OBSERVED BETWEEN THIS SITE AND OCC #11.

Owner/Manager: DFG

Lepidium latipes var. heckardii

Heckard's pepper-grass

Element Code: PDBRA1M0K1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4T1
State: S1.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: GRASSLAND, AND SOMETIMES VERNAL POOL EDGES. ALKALINE SOILS. 3-30M.

Occurrence No. 11 **Map Index:** 54739 **EO Index:** 54739

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-04-XX
Site: 2003-04-XX
Record Last Updated: 2004-03-18

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.43745º / -121.67036º
UTM: Zone-10 N4255190 E616043
Area: 7.8 acres
Elevation: 15 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 07N
Range: 03E
Section: 20 **Qtr:** /N
Meridian: M

Location: EAST OF SACRAMENTO NORTHERN RAILROAD, APPROXIMATELY 1.5 AIRMILES NNE OF VAUGHN RANCH PUMP HOUSE.

Location Detail: SEVEN COLONIES MAPPED AS SEVEN POLYGONS, LOCATED PRIMARILY IN THE CENTER OF THE WESTERN HALF OF SECTION 20.

Ecological: MESIC GRASSLAND DOMINATED BY LASTHENIA GLABRATA ANS LOLIUM MULTIFLORUM. ASSOCIATES INCLUDE LAYIA CHRYSANTHEMOIDES, BLENNOSPERMA NANUM AND VARIOUS OTHERS. OCCASIONALLY OCCURRING WITH VAR. LATIPES.

Threat: CATTLE GRAZING.

General: >1000 OBSERVED BETWEEN THIS SITE AND OCC #10.

Owner/Manager: DFG

Lepidurus packardi

vernal pool tadpole shrimp

Element Code: ICBRA10010

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.
Micro: POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

Occurrence No. 26 **Map Index:** 32460 **EO Index:** 1767
Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1995-04-26
Site: 1995-04-26
Record Last Updated: 1999-12-16

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.36062º / -121.96860º
UTM: Zone-10 N4246331 E590110
Radius: 80 meters
Elevation: 130 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01W
Section: 15 **Qtr:** SW
Meridian: M

Location: VACAVILLE; 1.1 KM NE OF ELMIRA ROAD X INTERSTATE ROUTE 80.

Location Detail: ALLISON DRIVE/INTERSTATE 80 INTERCHANGE PROJECT.

Ecological: MIXED, NON-NATIVE ANNUAL GRASSLAND OF ANNUAL GRASSES, WEEDS, SMALL INTRODUCED HERBS, AND VERY SMALL REPRESENTATION BY NATIVE SPECIES; FEW SEASONAL WETLAND SPECIES AROUND SWALE.

Threat: AGRICULTURAL USES (DISKING), GRAVEL DUMPING, DEVELOPMENT, ALLISON DRIVE/I-80 INTERCHANGE PROJECT.

General: 1 EGG FOUND AND COLLECTED DURING SOIL SAMPLING, EGG CURRENTLY IN VIAL AT JONES & STOKES; NO SHRIMP OBSERVED DURING AQUATIC SAMPLING; UNCERTAIN IF EGG REPRESENTS VIABLE TADPOLE SHRIMP POPULATION; POOL WILL BE DESTROYED BY HIGHWAY PROJECT.

Owner/Manager: CITY OF VACAVILLE

Occurrence No. 29 **Map Index:** 32514 **EO Index:** 1994
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-03-23
Site: 2004-03-23
Record Last Updated: 2006-03-28

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.49318º / -121.68156º
UTM: Zone-10 N4261360 E614977
Radius: 2/5 mile
Elevation: 25 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 08N
Range: 03E
Section: 31 **Qtr:** SE
Meridian: M

Location: USAF DAVIS COMMUNICATIONS FACILITY; SE OF DAVIS; ABOUT 1.5 KM EAST OF TREMONT ROAD X ROAD 104.

Location Detail: 5 POOLS SURVEYED IN 1995 & LEPIDURUS FOUND IN 3 OF THEM. POOL #3 ESTIMATED TO BE 200 FT LONG, 50 FT WIDE & 12 INCHES DEEP. POOL #9 ESTIMATED TO BE 300 FT LONG, 75 FT WIDE & 36 INCHES DEEP. FOUND IN 8 POOLS IN 2004.

Ecological: ANNUAL GRASSLAND WITH VERNAL POOLS & BORROW PIT WITH MUD BOTTOM. SITE BURNED IN 2003. WATER FLEAS, CLAM SHRIMP, WATER BOATMEN, PACIFIC CHORUS FROGS, FLATWORMS & OTHER AQUATIC INSECT LARVA ALSO FOUND IN 2004. SURROUNDING AREA IS AGRICULTURE.

Threat: DISKING OF POOLS; HERBICIDE RUNOFF FROM ANTENNA PADS; INTRUSION OF EXOTIC WEEDS INTO VERNAL POOLS (LEPIDIUM LATIFOLIUM)

General: POOL #3 & #9: MANY ADULTS/JUVENILES OBS ON 2/10, 3/2 & 3/16/95. 6 VOUCHER SPECIMENS FROM POOLS 3 & 9 DEPOSITED AT CAS (#102857, 102859). POOL PERSISTED UNTIL MAY-JUNE. SHRIMP FOUND HERE IN 1993-94, 1997-98, & 2003-4.

Owner/Manager: DOD-MCCLELLAN AFB

Lepidurus packardi

vernal pool tadpole shrimp

Element Code: ICBRA10010

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.
Micro: POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

Occurrence No. 37 **Map Index:** 34153 **EO Index:** 1959
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1998-01-31
Site: 1998-01-31
Record Last Updated: 2005-06-20

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26970º / -121.84368º
UTM: Zone-10 N4236371 E601150
Area:
Elevation: 25 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 22 **Qtr:** XX
Meridian: M

Location: 1.8 MILES SW OF DOZIER, 2.2 MILES WNW OF HIGHWAY 113 AT CALHOUN CUT, WEST OF JEPSON PRAIRIE.

Location Detail: LOCATED ALONG PG&E/PGT UNDERGROUND GAS PIPELINE RIGHT-OF-WAY, 1992 DATA MODIFIED MAPPED AREA TO INCLUDE TO LAKES. BRANCHINECTA CONSERVATIO PRESENT IN SOME CORRESPONDING POOLS.

Ecological: HABITAT CONSISTS OF RESTORED VERNAL POOLS IN CENTRAL VALLEY GRASSLAND; PLAYA POOLS CONTAINING WATER INTO JUNE, HIGH TURBIDITY; AND MODERATE-SIZED, SHALLOW VERNAL POOLS WITH LESS TURBIDITY.

Threat: POSSIBLE THREATS INCLUDE OVERGRAZING, CONVERSION TO CROPLAND, DEVELOPMENT.

General: 1995: 7 POOLS, 3 PLAYAS WITH ESTIMATED #'S OF 100'S TO 1000'S. 1996: NUMEROUS ADULTS/JUVENILES OBSERVED IN SAME POOLS (PLUS 2 MORE) & PLAYAS. 4 OUT OF 85 POOLS SAMPLED CONTAINED L. PACKARDI. TIGER SALAMANDER LARVA & HYLA REGILLA OBSERVED.

Owner/Manager: PVT

Occurrence No. 45 **Map Index:** 32549 **EO Index:** 1701
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-02-07
Site: 1993-02-07
Record Last Updated: 1997-01-21

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.28742º / -121.79637º
UTM: Zone-10 N4238390 E605263
Radius: 80 meters
Elevation: 13 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02E
Section: 07 **Qtr:** SW
Meridian: M

Location: E OF DOZIER; ON WEST SIDE OF SALEM ROAD, 2.1 KM S OF BROWN ROAD X SALEM ROAD.

Ecological: ROADSIDE DITCH ADJACENT TO HORSE PASTURE; TURBID POOL CHOKED WITH ALGAE.

General: 20+ INDIVIDUALS OBSERVED.

Owner/Manager: UNKNOWN

Occurrence No. 49 **Map Index:** 32556 **EO Index:** 17942
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-05-28
Site: 2003-05-28
Record Last Updated: 2005-01-10

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27069º / -121.82633º
UTM: Zone-10 N4236500 E602666
Area: 58.5 acres
Elevation: 18 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 23 **Qtr:** NE
Meridian: M

Location: OLCOTT LAKE, SW OF DOZIER

Location Detail: 1997: ONLY NORTHERN PORTION OF LAKE SURVEYED, FROM NORTH EDGE TO E-W FENCE, SO ESTIMATES DO NOT REFLECT POPULATION FROM ENTIRE LAKE. FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97.

Ecological: HABITAT CONSISTS OF A LARGE VERNAL POOL, WHICH IS ALMOST ALWAYS CLOUDY. ROAD DIVIDES POOL INTO 2 HALVES. BRANCHINECTA CONSERVATIO, AMBYSTOMA CALIFORNIENSE, AND ELAPHRUS VIRIDIS ARE ALSO FOUND AT THIS SITE.

General: IN 1992, 2 TRANSECTS WERE RUN; TRANSECT #1: 5 TADPOLE SHRIMP, TRANSECT #2: 23 TADPOLE SHRIMP. ONLY 10 NET SWEEPS MADE IN 1997: 1 CAPTURE. 35 INDIVIDUALS COLLECTED 21 MAY 1994. ~100 ADULTS OBSERVED ON 28 MAY 2003.

Owner/Manager: SOLANO LAND TRUST

Lepidurus packardi

vernal pool tadpole shrimp

Element Code: ICBRA10010

Status

Federal: Endangered
State: None

NDDB Element Ranks

Global: G3
State: S2S3

Other Lists

CDFG Status:

Habitat Associations

General: INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.

Micro: POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

Occurrence No. 97 **Map Index:** 33690 **EO Index:** 30600

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen

Element: 1999-03-09
Site: 1999-03-09

Record Last Updated: 2000-03-14

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22497º / -121.96640º
UTM: Zone-10 N4231281 E590470
Area: 7.8 acres
Elevation: 10 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 04N
Range: 01W
Section: 03 **Qtr:** XX
Meridian: M

Location: SOUTHEAST OF THE INTERSECTION OF HIGHWAY 12 AND SCALLY ROAD, NORTH OF POTRERO HILLS AND SOUTH OF TRAVIS AIR FORCE BASE.

Location Detail: SUGNET & ASSOCIATES REPORTED TADPOLE SHRIMP FROM "SOMEWHERE IN SECTION 3" (RECORD #114).

Ecological: HABITAT CONSISTS OF A LARGE VERNAL POOL; SCALLY ROAD INTERSECTS THIS POOL.

General: OBSERVED DURING SAMPLING ON 9 MAR 1999. B. CONSERVATIO SAID TO HAVE BEEN OBSERVED BY STEVE FOREMAN OF RMI, DATE UNKNOWN.

Owner/Manager: UNKNOWN

Lepidurus packardi

vernal pool tadpole shrimp

Element Code: ICBRA10010

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.
Micro: POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

Occurrence No. 98 **Map Index:** 33700 **EO Index:** 30544
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-05-11
Site: 1992-05-11
Record Last Updated: 1997-03-11

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27890º / -121.83310º
UTM: Zone-10 N4237404 E602063
Radius: 3/5 mile
Elevation: 25 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 14 **Qtr:** XX
Meridian: M

Location: SOUTHWEST OF THE INTERSECTION OF HWY 113 AND COOK LANE. SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOLS LOCATED SOMEWHERE IN SECTION 14.
Ecological: NATURAL VERNAL POOLS.
General: LEPIDURUS PACKARDI OBSERVED IN THE ONE FEATURE INSPECTED. SUGNET RECORD #115. NO B. LYNCHI OBSERVED.
Owner/Manager: UNKNOWN

Occurrence No. 99 **Map Index:** 33699 **EO Index:** 30543
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-02-07
Site: 1993-02-07
Record Last Updated: 1997-03-11

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29263º / -121.79550º
UTM: Zone-10 N4238970 E605331
Radius: 3/5 mile
Elevation: 10 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02E
Section: 07 **Qtr:** XX
Meridian: M

Location: NORTHEAST OF THE INTERSECTION OF HWY 113 AND HASTINGS ROAD. ENE OF DOZIER.
Location Detail: ROADSIDE DITCH SOMEWHERE IN SECTION 7.
Ecological: MANMADE ROADSIDE DITCH.
General: LEPIDURUS PACKARDI OBSERVED IN THE 1 FEATURE INSPECTED. SUGNET RECORD #116. NO B. LYNCHI OBSERVED.
Owner/Manager: UNKNOWN

Occurrence No. 111 **Map Index:** 35356 **EO Index:** 31379
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-03-16
Site: 2000-03-16
Record Last Updated: 2000-11-09

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22365º / -121.97711º
UTM: Zone-10 N4231124 E589534
Area:
Elevation: 5 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 04 **Qtr:** NE
Meridian: M

Location: ALONG POTRERO HILLS LANE, 0.5 MILE SW OF THE INTERSECTION OF SCALLY ROAD AND HIGHWAY 12, SE OF FAIRFIELD
Location Detail: SITE CONTAINS DRAINAGE DITCHES AROUND THE PERIPHERY OF THE LANDFILL AREA. THESE DITCHES RUN ALONG THE SOUTH SIDE OF THE CAPPED LANDFILL AND ALONG THE EAST SIDE OF EMMINGTON ROAD. DITCHES ARE CONNECTED TO LARGE VERNAL POOLS TO THE
Ecological: WETLAND MITIGATION SITE. HABITAT CONSISTS OF ARTIFICIAL DRAINAGE DITCHES, CONNECTED TO VERNAL POOLS; DITCH VEGETATION CONSISTS OF SALICORNIA SP AND TYPHA SP.
General: TADPOLE SHRIMP FOUND IN THE 10'S TO 100'S IN THE PERIPHERY DITCHES ON 26 FEB 1996; CAS #106750. 100'S OF ADULT VERNAL POOL TADPOLE SHRIMP WERE FOUND ON 16 MAR 2000 IN A DITCH AT THE SOUTH END OF A CAPPED LANDFILL.
Owner/Manager: PVT

Lepidurus packardi

vernal pool tadpole shrimp

Element Code: ICBRA10010

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.
Micro: POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

Occurrence No. 141 **Map Index:** 41829 **EO Index:** 41832
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-03-11
Site: 1999-03-11
Record Last Updated: 2007-07-31

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29405º / -121.85090º
UTM: Zone-10 N4239065 E600485
Area: 19.7 acres
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 10 **Qtr:** NW
Meridian: M

Location: 1.5 MILES WEST OF HIGHWAY 113 AND 0.25-0.50 MILE SOUTH OF BURKE ROAD, 2 MILES WNW OF DOZIER.

Location Detail: SITE IS LOCATED 2 MILES SW OF THE SOLANO COUNTY LANDFILL.

Ecological: SITE CONSISTS OF TWO PLAYA-TYPE VERNAL POOLS, ON PESCADERO CLAY AND/OR SOLANO LOAM SOILS; ONE POOL IS MAN-MADE, WITH A BERM AT THE SOUTH END. A SERIES OF POOLS, SWALES, AND MOUNDS ARE FOUND DOWNSLOPE. PLAYAS ARE UNVEGETATED AND VERY TURBID.

Threat: POSSIBLE THREAT FROM GRAZING (SHEEP AND CATTLE).

General: >1000 INDIVIDUALS (A MIXTURE OF REPRODUCTIVE ADULTS AND IMMATURES) FOUND ON 11 MAR 1999. SPECIMENS IN FWS COLLECTION. BRANCHINECTA CONSERVATIO AND ELAPHRUS VIRIDIS FOUND NEARBY.

Owner/Manager: PVT-BURKE RANCH

Occurrence No. 142 **Map Index:** 41833 **EO Index:** 41833
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-03-11
Site: 1999-03-11
Record Last Updated: 2007-07-31

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29398º / -121.85659º
UTM: Zone-10 N4239052 E599987
Radius: 80 meters
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 10 **Qtr:** NW
Meridian: M

Location: 1.8 MILES WEST OF HIGHWAY 113 AND 0.25 MILE SOUTH OF BURKE ROAD, 2 MILES WNW OF DOZIER

Location Detail: SITE IS LOCATED 2 MILES SW OF THE SOLANO COUNTY LANDFILL.

Ecological: HABITAT CONSISTS OF A LARGE, BUT SHALLOW, WELL-VEGETATED VERNAL POOL ON ANTIOCH-SAN YSIDRO SOILS; LIGHTLY GRAZED BY SHEEP AND CATTLE. HIGH COVER OF VERNAL POOL FORBS. BRANCHINECTA CONSERVATIO, B. LYNCHI, AND ELAPHRUS VIRIDIS FOUND NEARBY.

General: NUMEROUS INDIVIDUALS (A MIXTURE OF REPRODUCTIVE ADULTS AND IMMATURES) FOUND ON 11 MAR 1999. SPECIMENS IN THE FWS COLLECTION.

Owner/Manager: PVT-BURKE RANCH

Lepidurus packardi

vernal pool tadpole shrimp

Element Code: ICBRA10010

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.
Micro: POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

Occurrence No. 143 **Map Index:** 41839 **EO Index:** 41839
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-03-05
Site: 1999-03-05
Record Last Updated: 2007-07-31

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27959º / -121.84021º
UTM: Zone-10 N4237473 E601440
Area: 15.0 acres
Elevation: 20 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 14 **Qtr:** NW
Meridian: M

Location: UPPER END OF BARKER SLOUGH, NW OF JEPSON PRAIRIE AND WSW OF ARGYLLE PARK RACETRACK, 11 MILES SOUTH OF DIXON.

Location Detail: SITE IS LOCATED ALONG A MAPPED TRIBUTARY TO BARKER SLOUGH. TADPOLE SHRIMP OCCUR WITHIN A 600-FT AREA DOWNSTREAM FROM THE FENCE AT THE GRAVEL ROAD.

Ecological: HABITAT CONSISTS OF LARGE, MUDDY DEPRESSIONS WITHIN THE SLOUGH TRIBUTARY CHANNEL. DOWNINGIA PUSILLA FOUND AT THIS SITE IN 1990; BRANCHINECTA LYNCHI REPORTED IN 1994.

General: 100 INDIVIDUALS (50% LARGE, REPRODUCTIVE ADULTS, 50% SMALLER INDIVIDUALS) OBSERVED OVER A 600 FT LENGTH OF THE TRIBUTARY ON 5 MAR 1999. VOUCHER SPECIMEN IN FWS COLLECTION.

Owner/Manager: PVT-CAMPBELL RANCH

Occurrence No. 154 **Map Index:** 42555 **EO Index:** 42555
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 2007-06-27

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29499º / -121.81860º
UTM: Zone-10 N4239206 E603307
Area: 11.0 acres
Elevation: 15 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 12 **Qtr:** XX
Meridian: M

Location: SEASONAL LAKE, JUST EAST OF HIGHWAY 113 & JEPSON PRAIRIE, 0.6 MILE NORTH OF DOZIER.

Ecological: HABITAT CONSISTS OF A NORTHERN CLAYPAN VERNAL POOL.

General: OBSERVED THE SPECIES IN 1992; NO NUMBERS GIVEN.

Owner/Manager: UNKNOWN

Occurrence No. 155 **Map Index:** 42556 **EO Index:** 42556
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 2000-03-15

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26344º / -121.83138º
UTM: Zone-10 N4235690 E602235
Radius: 2/5 mile
Elevation: 20 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 23 **Qtr:** XX
Meridian: M

Location: SEASONAL WETLANDS, 1 MILE SOUTH OF OLCOTT, JEPSON PRAIRIE, 1.5 MILES WEST OF CALHOUN CUT CROSSING BY HIGHWAY 113.

Ecological: VERNAL POOL HABITAT TYPE DESCRIBED AS CLAYPAN.

General: OBSERVED THE SPECIES IN 1992, NO NUMBERS GIVEN.

Owner/Manager: UNKNOWN

Lepidurus packardi

vernal pool tadpole shrimp

Element Code: ICBRA10010

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.
Micro: POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

Occurrence No. 158 **Map Index:** 43444 **EO Index:** 43444
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-01
Site: 2002-04-01
Record Last Updated: 2002-08-01

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.27172º / -121.98603º
UTM: Zone-10 N4236450 E588695
Area: 15.2 acres
Elevation: 45 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01W
Section: 21 **Qtr:** NW
Meridian: M

Location: PARKER RANCH, 0.1 TO 0.2 MILE EAST INTERSECT OF WALTERS ROAD AND AIRBASE PARKWAY, ~2.5 MILES WEST OF TRAVIS FIELD.

Location Detail: 5 APR 2000: POOL NUMBER 8. APR 2002: POOL NUMBERS 27-14 AND 27-14A (ADJACENT TO AIRBASE PARKWAY).

Ecological: NATURAL VERNAL POOLS WITHIN A GRASSLAND: AT TIME OF SAMPLING WAS 10CM DEEP & 10 X 20M; ESTIMATED MAX SIZE IS 30 CM DEEP & 50 X 40M. WATER EXTREMELY TURBID, BOTTOM IRREGULAR DUE TO NUMEROUS HOOF PRINTS. LINDERIELLA OCCIDENTALIS IN POOLS.

Threat: DISTURBED, MODERATELY GRAZED, CATTLE. PARCEL ISOLATED FROM OTHER VERNAL POOLS DUE TO DEVELOPMENT.

General: 2000: ONLY 1 ADULT SEINED, BUT MORE ESTIMATED TO BE PRESENT. HOOF PRINTS PROVIDE REFUGE FROM SEINING, NO VOUCHER SPECIMENS TAKEN BECAUSE OF LOW POPULATION NUMBERS. 2 INDIVIDUALS OBSERVED BETWEEN FEB AND APR OF 2002.

Owner/Manager: PVT

Occurrence No. 159 **Map Index:** 43445 **EO Index:** 43445
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-07-06
Site: 2000-07-06
Record Last Updated: 2007-10-16

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25584º / -121.86959º
UTM: Zone-10 N4234806 E598902
Area: 58.0 acres
Elevation: 33 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 28 **Qtr:** XX
Meridian: M

Location: 1.8 MILES WEST OF WEST END OF CALHOUN CUT, 3.5 MILES SW OF DOZIER.

Location Detail: 5 LARGE PLAYA POOLS 2.5 MILES WSW OF OLCOTT LAKE.

Ecological: LARGE PLAYA-TYPE POOLS: DOMINANTS MALVELLA LEPROSA, CRESSA TRUXILENSIS, FRANKENIA SALINA, DISTCHLIS SPICATA, AND ELECCHARIS MACROSTACHYA. AREA IS GRAZED BY SHEEP.

General: CARAPACES FOUND IN POOLS WHILE SEARCHING FOR TUCTORIA MUCRONATA, 6 JULY 2000.

Owner/Manager: PVT

Occurrence No. 170 **Map Index:** 48478 **EO Index:** 48494
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-02
Site: 2002-04-02
Record Last Updated: 2002-08-08

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.44536º / -121.67336º
UTM: Zone-10 N4256063 E615769
Area: 20.9 acres
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 03E
Section: 17 **Qtr:** SW
Meridian: M

Location: 3 MILES NE OF YOLANO; APPROX. 1 TO 1.2 MILES SW ALONG THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE FROM ROAD 38.

Location Detail: SITE NUMBERS 52-10D, 52-10F, 52-25, 52-10E, 52-10, 52-10A, 52-10B AND 52-10C.

Ecological: HABITAT CONSISTS OF 8 POOLS IN A VERNAL POOL COMPLEX LOCATED PRIMARILY AROUND DITCHES & THE EDGES OF BERMS. NATURAL TOPOGRAPHY IS MOSTLY ABSENT. BRANCHINECTA LYNCH, BRANCHINECTA MESOVALLENSIS & LINDERIELLA OCCIDENTALIS ALSO IN VICINITY.

General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 11 & 23 JAN 2002; 5, 6 & 20 FEB 2002; 4 & 19 MAR 2002 AND 2 APR 2002. ON 4 MAR 2002 AND 20 FEB 2002 INDIVIDUALS OBS DEAD. CARAPACE OBS ON 4 MAR 2002.

Owner/Manager: UNKNOWN

Lepidurus packardi

vernal pool tadpole shrimp

Element Code: ICBRA10010

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	**Global:** G3	**CDFG Status:**
State: None	**State:** S2S3	

Habitat Associations

General: INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.

Micro: POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

Occurrence No. 171 **Map Index:** 48495 **EO Index:** 48495

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-04-07
Site: 2003-04-07

Record Last Updated: 2004-11-17

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.45729º / -121.66652º
UTM: Zone-10 N4257396 E616347
Area: 66.8 acres
Elevation: 15 ft

Mapping Precision SPECIFIC
Symbol Type: POLYGON

Township: 07N
Range: 03E
Section: 17 **Qtr:** NE
Meridian: M

Location: 0.5 MI SW OF SAXON; 100 TO 400' SW ALONG SACRAMENTO NORTHERN ELECTRIC RR GRADE FROM RD 38, & IN POOLS TO WEST OF TRACKS.

Location Detail: SITE NUMBERS 53-01A AND 53-07. 1 POOL ON EACH SIDE OF RAILROAD GRADE, AND SEVERAL POOLS ON WEST SIDE OF TRACKS.

Ecological: POOLS ALONG RR-2 ARTIFICIALLY CREATED POOLS (BORROW PITS) THAT SEASONALLY POND RAINWATER. POOL ON W SIDE IS DEEP, TURBID & LONG-LASTING, TADPOLE SHRIMP ARE EXTREMELY ABUNDANT. LINDERIELLA OCCIDENTALIS & CYZICUS CALIFORNICUS ALSO PRESENT.

General: UNKNOWN NUMBER OBS ON 5, 20 FEB 2002; 4, 19 MAR 2002 & 2 APR 2002. >50 OBS JAN/FEB 2003, AND "LOTS" ON 7 APR 2003. INDIVIDUALS COLLECTED FOR CAL ACAD OF SCI NOT YET ACCESSIONED. SURROUNDING AREA USED FOR GRAZING CATTLE.

Owner/Manager: DFG

Lepidurus packardi

vernal pool tadpole shrimp

Element Code: ICBRA10010

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.
Micro: POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

Occurrence No. 182 **Map Index:** 54520 **EO Index:** 54521
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-04-07
Site: 2003-04-07
Record Last Updated: 2004-11-17

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.43662º / -121.66998º
UTM: Zone-10 N4255098 E616078
Area: 10.3 acres
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 03E
Section: 20 **Qtr:** SW
Meridian: M

Location: ~1.4 MILES NNE OF VAUGHN RANCH, GLIDE TULE ELK RESERVE
Ecological: HABITAT CONSISTS OF A PLAYA POOL; SURROUNDING AREA GRAZED BY CATTLE. LEPIDURUS PACKARDI AND CYZICUS CALIFORNICUS ALSO FOUND AT THIS SITE.
General: "LOTS" OF INDIVIDUALS OBSERVED ON 7 APR 2003.
Owner/Manager: DPR-TULE ELK SR

Occurrence No. 223 **Map Index:** 61653 **EO Index:** 61701
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2005-06-20

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26581º / -121.87815º
UTM: Zone-10 N4235903 E598139
Area: 18.7 acres
Elevation: 32 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 21 **Qtr:** XX
Meridian: M

Location: ABOUT 3.6 MILES WSW DOZIER.
Location Detail: VERNAL POOLS #3, 10, AND 23. POOL #10 NOT SHOWN ON TOPO MAP.
Ecological: VERNAL POOL.
General: NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Occurrence No. 224 **Map Index:** 61666 **EO Index:** 61702
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-03-25
Site: 2002-03-25
Record Last Updated: 2005-06-20

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25778º / -121.86674º
UTM: Zone-10 N4235024 E599149
Area: 35.4 acres
Elevation: 34 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 21 **Qtr:** XX
Meridian: M

Location: ABOUT 3.5 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNALS POOLS #4, 5, AND 6.
Ecological: VERNAL POOLS.
General: NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Lepidurus packardi

vernal pool tadpole shrimp

Element Code: ICBRA10010

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.
Micro: POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

Occurrence No. 225 **Map Index:** 61667 **EO Index:** 61703
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2005-06-20

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26430º / -121.86822º
UTM: Zone-10 N4235746 E599010
Area: 14.1 acres
Elevation: 34 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 21 **Qtr:** XX
Meridian: M

Location: ABOUT 3.0 MILES WSW DOZIER.
Location Detail: VERNAL POOLS #7, 8, AND 9. POOL #8 DOES NOT SHOW AS A SEPARATE POOL ON TOPO MAP.
Ecological: VERNAL POOL.
General: NUMBER OF INDIVIDUALS NOT GIVEN.
Owner/Manager: UNKNOWN

Occurrence No. 226 **Map Index:** 61647 **EO Index:** 61704
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2005-06-20

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26016º / -121.89766º
UTM: Zone-10 N4235255 E596440
Area: 4.8 acres
Elevation: 37 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 20 **Qtr:** XX
Meridian: M

Location: ABOUT 4.6 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOL #11.
Ecological: VERNAL POOL.
General: NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Occurrence No. 227 **Map Index:** 61659 **EO Index:** 61705
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2005-06-20

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.25734º / -121.90547º
UTM: Zone-10 N4234934 E595761
Area: 26.8 acres
Elevation: 45 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 30 **Qtr:** XX
Meridian: M

Location: ABOUT 5.0 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOLS #12 AND 13.
Ecological: VERNAL POOLS.
General: NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Lepidurus packardi

vernal pool tadpole shrimp

Element Code: ICBRA10010

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.
Micro: POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

Occurrence No. 228 **Map Index:** 61670 **EO Index:** 61706
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2005-06-20

Quad Summary: Denverton (3812128/481B), Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.24780º / -121.88418º
UTM: Zone-10 N4233899 E597636
Area: 41.7 acres
Elevation: 36 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 29 **Qtr:** XX
Meridian: M

Location: ABOUT 4.5 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOLS #14, 15, 17, AND 18. POOLS #15 AND 17 NOT SHOWN ON TOPO MAP.
Ecological: VERNAL POOL.
General: POOLS #15 AND 17 HAVE IRREGULAR MARGINS. NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Occurrence No. 229 **Map Index:** 61662 **EO Index:** 61707
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-05-13
Site: 2002-05-13
Record Last Updated: 2006-03-08

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.24794º / -121.90775º
UTM: Zone-10 N4233889 E595573
Radius: 1/10 mile
Elevation: 42 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 30 **Qtr:** XX
Meridian: M

Location: ABOUT 5.5 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOLS #20, 21, 31, & 32. POOLS #31 & 32 NOT SHOWN ON SOURCE MAP, NOTED AS "LARGE NORTHERN & SOUTHERN GRAVEL PIT POOLS".
Ecological: VERNAL POOLS.
General: NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Occurrence No. 230 **Map Index:** 61672 **EO Index:** 61708
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2005-06-21

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26201º / -121.90152º
UTM: Zone-10 N4235457 E596100
Radius: 80 meters
Elevation: 42 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 19 **Qtr:** XX
Meridian: M

Location: ABOUT 5.0 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOL #22 (NOT SHOWN ON TOPO MAP)
Ecological: VERNAL POOLS.
General: NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Lepidurus packardi

vernal pool tadpole shrimp

Element Code: ICBRA10010

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.
Micro: POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

Occurrence No. 231 **Map Index:** 61673 **EO Index:** 61709
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2005-06-21

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.27269º / -121.87934º
UTM: Zone-10 N4236665 E598026
Area: 22.3 acres
Elevation: 34 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 17 **Qtr:** XX
Meridian: M

Location: ~3.4 MILES WSW OF DOZIER.
Location Detail: LARRY SERPA'S POOL 24
Ecological: VERNAL POOLS.
General: NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: UNKNOWN

Occurrence No. 232 **Map Index:** 61661 **EO Index:** 61710
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-15
Site: 2002-02-15
Record Last Updated: 2005-06-21

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26950º / -121.87073º
UTM: Zone-10 N4236321 E598784
Radius: 80 meters
Elevation: 35 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 21 **Qtr:** XX
Meridian: M

Location: ABOUT 3.1 MILES WEST-SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOL #25.
Ecological: VERNAL POOLS.
General: NUMBER OF SPECIMENS NOT RECORDED.
Owner/Manager: UNKNOWN

Occurrence No. 233 **Map Index:** 61675 **EO Index:** 61711
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-03-25
Site: 2002-03-25
Record Last Updated: 2005-06-21

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26080º / -121.85604º
UTM: Zone-10 N4235371 E600080
Area: 6.6 acres
Elevation: 29 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 22 **Qtr:** XX
Meridian: M

Location: ABOUT 2.6 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOL #26. NOT IDENTIFIED FROM MAP; LOCATION TAKEN FROM UTM COORDINATES IN TABLE.
Ecological: VERNAL POOLS.
General: NUMBER OF INDIVIDUALS NOT RECORDED.
Owner/Manager: PVT

Lepidurus packardi

vernal pool tadpole shrimp

Element Code: ICBRA10010

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: INHABITS VERNAL POOLS AND SWALES IN THE SACRAMENTO VALLEY CONTAINING CLEAR TO HIGHLY TURBID WATER.
Micro: POOLS COMMONLY FOUND IN GRASS BOTTOMED SWALES OF UNPLOWED GRASSLANDS. SOME POOLS ARE MUD-BOTTOMED & HIGHLY TURBID.

Occurrence No. 234 **Map Index:** 61676 **EO Index:** 61712
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-02
Site: 2002-04-02
Record Last Updated: 2005-06-21

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26705º / -121.85667º
UTM: Zone-10 N4236064 E600017
Radius: 80 meters
Elevation: 32 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 22 **Qtr:** XX
Meridian: M

Location: ABOUT 2.5 MILES SOUTHWEST OF DOZIER.
Location Detail: VERNAL POOL #29. POOL DOES NOT SHOW ON TOPO MAP; LOCATION TAKEN FROM UTM COORDINATES IN TABLE.
Ecological: VERNAL POOLS. POOL HAS AN IRREGULAR MARGIN.
General: UNKNOWN NUMBER OBSERVED.
Owner/Manager: UNKNOWN

Occurrence No. 236 **Map Index:** 64319 **EO Index:** 64399
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-11-29
Site: 2004-12-29
Record Last Updated: 2007-03-15

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28697º / -121.91476º
UTM: Zone-10 N4238213 E594909
Radius: 80 meters
Elevation: 60 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01W
Section: 12 **Qtr:** XX
Meridian: M

Location: TRAVIS AFB, AT INTERSECTION OF MERIDIAN ROAD AND RAILROAD TRACKS.
Ecological: PONDED AREA IN RAILROAD RIGHT-OF-WAY, SHALLOW TURBID POOL, UNVEGETATED. SURROUNDING AREA IS ANNUAL GRASSLAND/VERNAL POOL HABITAT.
Threat: OFF-ROAD VEHICLES.
General: FEWER THAN 10 ADULTS OBSERVED.
Owner/Manager: DOD-TRAVIS AFB

Occurrence No. 237 **Map Index:** 64349 **EO Index:** 64428
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-12-14
Site: 2004-12-14
Record Last Updated: 2006-03-27

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.28608º / -121.86029º
UTM: Zone-10 N4238171 E599675
Area: 64.8 acres
Elevation: 35 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 10 **Qtr:** XX
Meridian: M

Location: ALONG RAILROAD RIGHT-OF-WAY BETWEEN MERIDIAN ROAD AND ROUTE 113.
Ecological: PONDED AREAS IN RAILROAD RIGHT-OF-WAY. DEEP, TURBID POOLS. ANNUAL GRASSLAND/VERNAL POOL HABITAT IN ADJACENT LANDSCAPE.
Threat: ORV ACTIVITY.
General: ABOUT 50 ADULTS OBSERVED.
Owner/Manager: DOD-TRAVIS AFB

Lilaeopsis masonii

Mason's lilaeopsis

Element Code: PDAPI19030

Status
Federal: None
State: Rare

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES, RIPARIAN SCRUB.
Micro: TIDAL ZONES, IN MUDDY OR SILTY SOIL FORMED THROUGH RIVER DEPOSITION OR RIVER BANK EROSION. 0-10M.

Occurrence No. 18 **Map Index:** 43719 **EO Index:** 43719

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-09-12
Site: 2000-09-12
Record Last Updated: 2006-09-29

Quad Summary: Denverton (3812128/481B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19119º / -122.04154º
UTM: Zone-10 N4227462 E583932
Area: 1,287.4 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02W
Section: 13 **Qtr:** XX
Meridian: M

Location: SUISUN SLOUGH, FROM MORROW ISLAND NORTH TO SUISUN CITY, SUISUN MARSH.

Location Detail: MANY SCATTERED COLONIES MAPPED ALONG SUISUN SLOUGH, PEYTONIA SLOUGH, AND HILL SLOUGH WITH ONE COLONY MAPPED ALONG MONTEZUMA SLOUGH ADJACENT TO HUNTER CUT. NEED GIS LAYER OR OVERLAY TO APPRECIATE.

Ecological: COASTAL BRACKISH MARSH WITH TRIGLOCHIN STRIATA, ATRIPLEX PATULA, ELEOCHARIS, DISTICHLIS SPICATA, SCIRPUS SPP, POTENTILLA SP., CAREX SP., JAUMEA CARNOSA, AND HYDROCOTYLE VERTICILLATA VAR. TRIDENTATA.

Threat: TRAMPLING BY FISHERMEN, RIVERFRONT DEVELOPMENT AND FLOODWALL CONSTRUCTION AT SUISUN CITY.

General: NUMEROUS COLONIES MAPPED AS PER DWR ENVIRONMENTAL SERVICES OFFICE REPORT (1994) AND DWR MAP (1992). UNKNOWN NUMBER OF PLANTS SEEN IN HILL SLOUGH SURVEY DURING 2000 CORDYLANTHUS MOLLIS SSP. MOLLIS SURVEY.

Owner/Manager: UNKNOWN

Occurrence No. 23 **Map Index:** 66758 **EO Index:** 7763

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-07-26
Site: 1990-07-26
Record Last Updated: 2006-10-20

Quad Summary: Rio Vista (3812126/480B)
County Summary: Sacramento

Lat/Long: 38.13348º / -121.68637º
UTM: Zone-10 N4221440 E615125
Radius: 80 meters
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 03N
Range: 03E
Section: 06 **Qtr:** XX
Meridian: M

Location: ABOUT 2.0 MI S OF RIO VISTA, EAST SIDE SACRAMENTO RIVER NEAR GAS WELLS ALONG HWY 160.

Location Detail: 1.5 MILES SOUTH OF THE RIO VISTA BRIDGE ON THE WEST SIDE OF BRANNON ISLAND. IMMEDIATELY SOUTH OF PULLOUT.

Ecological: SAND AND SILT WITH SIGNIFICANT ORGANIC MATTER CONTENT. ASSOCIATED WITH SCIRPUS ACUTUS, CYPERUS ERAGOSTIS, POLYGONUM, RUMEX, AND VERBENA BONARIENSIS.

Threat: THIS SITE IS THREATENED BY TRAMPLING FROM RECREATIONAL USE.

General: 2 CLUMPS OF 1 BY 1/2 FOOT OBSERVED IN 1986. 5 CLUMPS TOTALLING APPROXIMATELY 75 SQUARE METERS OBSERVED IN 1990. THERE MAY BE ADDITIONAL UNSURVEYED POPULATIONS BETWEEN RIO VISTA BRIDGE AND BRANNON ISLAND BRIDGE.

Owner/Manager: PVT

Lilaeopsis masonii

Mason's lilaeopsis

Element Code: PDAPI19030

Status
Federal: None
State: Rare

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES, RIPARIAN SCRUB.
Micro: TIDAL ZONES, IN MUDDY OR SILTY SOIL FORMED THROUGH RIVER DEPOSITION OR RIVER BANK EROSION. 0-10M.

Occurrence No. 25 **Map Index:** 22576 **EO Index:** 16464
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1988-XX-XX
Site: 1988-XX-XX
Record Last Updated: 1995-12-15

Quad Summary: Liberty Island (3812136/497C)
County Summary: Solano

Lat/Long: 38.29490º / -121.74154º
UTM: Zone-10 N4239284 E610047
Area: 91.3 acres
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 02E
Section: 10 **Qtr:** XX
Meridian: M

Location: CACHE SLOUGH, FROM PUMPING STATIONS DOWNSTREAM 1 MILE TOWARDS SE TIP OF PETERS POCKET.

Ecological: IN SPLASH ZONE ALONG THE EAST BANK OF BARKER SLOUGH.

Threat: DISRUPTION OF SPLASH ZONE BY DREDGING POSSIBLE THREAT.

General: 15 CLUSTERS OF THE PLANT; BASED ON NON-FLOWERING SPECIMEN, BUT VERIFIED BY LINCOLN CONSTANCE. 1988 SURVEYS REVEALED MUCH LARGER POPULATION.

Owner/Manager: PVT

Occurrence No. 26 **Map Index:** 10908 **EO Index:** 19975
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1995-08-09
Site: 1995-08-09
Record Last Updated: 1995-11-14

Quad Summary: Rio Vista (3812126/480B)
County Summary: Solano, Sacramento

Lat/Long: 38.18241º / -121.65218º
UTM: Zone-10 N4226912 E618043
Radius: 1/5 mile
Elevation: 1 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02E
Section: 21 **Qtr:** XX
Meridian: M

Location: 0.5 MILE EAST OF CONFLUENCE OF STEAMBOAT SLOUGH WITH SACRAMENTO RIVER ON NORTH BANK OF GRAND ISLAND.

Ecological: IN TIDALLY INUNDATED FRESHWATER MARSH BORDERING SLOUGH ON SOD FORMED BY VERBENA HASTATA. ASSOCIATED WITH ALNUS RHOMBIFOLIA AND SALIX.

General: ABOUT 100 PLANTS SEEN IN 1985. PLANTS ALSO SEEN IN THIS AREA IN 1995 (ZEBELL AND FIEDLER, 1996).

Owner/Manager: DOD-COE

Occurrence No. 27 **Map Index:** 10883 **EO Index:** 9610
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1995-08-09
Site: 1995-08-09
Record Last Updated: 1995-10-25

Quad Summary: Rio Vista (3812126/480B)
County Summary: Solano

Lat/Long: 38.23361º / -121.66967º
UTM: Zone-10 N4232571 E616430
Area: 95.4 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 03E
Section: 32 **Qtr:** XX
Meridian: M

Location: CONFLUENCE OF MINER SLOUGH AND CACHE SLOUGH, SOUTH OF LIBERTY ISLAND.

Ecological: SOUTH-FACING BANKS OF TULE ISLANDS, INUNDATED AT HIGH TIDE AND EXPOSED AT LOW TIDE. ASSOCIATED WITH LIMOSELLA SUBULATA, HYDROCOTYLE VERTICILLATA V. TRIRADIATA, SCIRPUS CALIFORNICUS, PASPALUM DISTICHUM, JUNCUS OXYMERIS, CYPERUS ERAGROSTIS.

General: WILDLIFE AREA. PLANTS ALSO REPORTED IN THIS VICINITY IN 1995 (ZEBELL AND FIEDLER, 1996).

Owner/Manager: DFG-MINER SLOUGH WA

Lilaeopsis masonii

Mason's lilaeopsis

Element Code: PDAPI19030

Status
Federal: None
State: Rare

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES, RIPARIAN SCRUB.
Micro: TIDAL ZONES, IN MUDDY OR SILTY SOIL FORMED THROUGH RIVER DEPOSITION OR RIVER BANK EROSION. 0-10M.

Occurrence No. 39 **Map Index:** 10853 **EO Index:** 14347
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-08-08
Site: 1990-08-08
Record Last Updated: 2006-10-17

Quad Summary: Rio Vista (3812126/480B)
County Summary: Sacramento

Lat/Long: 38.13975º / -121.68650º
UTM: Zone-10 N4222136 E615104
Radius: 80 meters
Elevation: 10 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 03N
Range: 03E
Section: 31 **Qtr:** XX
Meridian: M

Location: ALONG HWY 160 APPROXIMATELY 1 MI S OF THE RIO VISTA BRIDGE. WEST EDGE OF BRANNAN ISLAND ALONG THE SACRAMENTO RIVER.
Location Detail: JUST SOUTH OF THE R.V. PARK. SEVERAL DENSE POPULATIONS ALONG THE BEACH BETWEEN OLD PILINGS AND THE LEVEE.
Ecological: ON SAND AND CLAY WITH HIGH ORGANIC MATTER CONTENT.
Threat: RECREATIONAL USE OF AREA AND RIPRAPPING ARE THREATS.
Owner/Manager: PVT

Occurrence No. 40 **Map Index:** 10848 **EO Index:** 19967
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1988-05-01
Site: 1988-05-01
Record Last Updated: 1989-08-11

Quad Summary: Rio Vista (3812126/480B)
County Summary: Solano

Lat/Long: 38.24462º / -121.69219º
UTM: Zone-10 N4233765 E614441
Radius: 1/5 mile
Elevation: 15 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02E
Section: 30 **Qtr:** XX
Meridian: M

Location: ON 2 ISLANDS S OF LITTLE HASTINGS TRACT, LINDSEY SLOUGH.
Ecological: ON CLAY BANKS SUBJECT TO TIDALLY-MEDIATED FRESHWATER INUNDATION.
Threat: PUMPING FOR NORTH BAY AQUEDUCT WILL INCREASE CHANNEL EROSION.
Owner/Manager: UNKNOWN

Occurrence No. 65 **Map Index:** 26651 **EO Index:** 13880
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 2007-12-03

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.13778º / -121.91140º
UTM: Zone-10 N4221662 E595397
Area: 39.0 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 03N
Range: 01E
Section: 06 **Qtr:** NW
Meridian: M

Location: MONTEZUMA SLOUGH, NEAR MEINS LANDING, SUISUN MARSH.
Location Detail: MAPPED BY CNDDB AS 4 COLONIES ALONG BOTH SIDES OF SLOUGH ACCORDING TO A 1992 MAP IN A 1994 DWR REPORT.
Threat: RIP-RAP; PHRAGMITES INVADING.
General: MAP DETAIL IS ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE.
Owner/Manager: UNKNOWN

Lilaeopsis masonii

Mason's lilaeopsis

Element Code: PDAPI19030

Status
Federal: None
State: Rare

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES, RIPARIAN SCRUB.
Micro: TIDAL ZONES, IN MUDDY OR SILTY SOIL FORMED THROUGH RIVER DEPOSITION OR RIVER BANK EROSION. 0-10M.

Occurrence No. 69 **Map Index:** 21627 **EO Index:** 14257
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1995-07-26
Site: 1995-07-26
Record Last Updated: 1997-02-14

Quad Summary: Rio Vista (3812126/480B)
County Summary: Sacramento

Lat/Long: 38.16117º / -121.67378º
UTM: Zone-10 N4224528 E616185
Area:
Elevation: 5 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 03E
Section: 29 **Qtr:** XX
Meridian: M

Location: BRANNAN ISLAND, 0.5 MILE NORTH OF RIO VISTA BRIDGE ALONG STATE ROUTE 160.

Ecological: GROWING AT THE INUNDATION LINE IN SUBSTRATE OF SEDIMENTS AND FINES WHICH HAVE BEEN DEPOSITED AMONG SUBSIDED RIP-RAP. ASSOCIATES INCLUDE SCIRPUS CALIFORNICUS, MIMULUS SP., JUNCUS SP., VERBENA BONARIENSIS, AND ASTER LENTUS.

Threat: LEVEE BANK STABILIZATION POSES THREAT TO THIS POPULATION.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS 1990 OBSERVATION BY MCKEE. PLANTS ALSO REPORTED IN THIS VICINITY IN 1995 (ZEBELL ET AL. 1996). MANAGED BY THE BRANNON-ANDRUS LEVEE DISTRICT.

Owner/Manager: PVT, BRANNON-ANDRUS LEVEE DIST

Occurrence No. 70 **Map Index:** 22542 **EO Index:** 22268
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1997-05-24
Site: 1997-05-24
Record Last Updated: 1997-12-10

Quad Summary: Liberty Island (3812136/497C), Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26596º / -121.78428º
UTM: Zone-10 N4236023 E606352
Area: 93.5 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 02E
Section: 19 **Qtr:** XX
Meridian: M

Location: BARKER SLOUGH, CALHOUN CUT, AND LINDSEY SLOUGH: APPROX. 1.5 MILES UP EACH SLOUGH FROM THEIR MUTUAL CONFLUENCE.

Ecological: ALONG MUDDY BANKS AND INTERTIDAL MUDFLATS GROWING WITH LIMOSELLA SUBULATA, SCIRPUS SP., JUNCUS ACUTUS, HYDROCOTYLE VERTICILLATA VAR. TRIRADIATA, LATHYRUS JEPSONII VAR. JEPSONII, AND ASTER LENTUS.

Threat: ROCK REVETMENT (RIP-RAP) PROJECT REQUIRED TRANSPLANT OF PORTION OF THIS POPULATION.

General: 110,000+ PLANTS OBSERVED BY WITHAM AND KAREOFELAS IN 1994. DFG CALHOUN CUT ECOLOGICAL RESERVE PROVIDES PROTECTION FOR CALHOUN CUT AND PORTION OF BARKER SLOUGH. FEW PLANTS REMAIN IN AREA WHERE THE TRANSPLANT OCCURRED.

Owner/Manager: DFG-CALHOUN CUT ER, UNKNOWN

Occurrence No. 72 **Map Index:** 22575 **EO Index:** 16465
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-24
Site: 2005-08-24
Record Last Updated: 2005-11-30

Quad Summary: Liberty Island (3812136/497C)
County Summary: Solano

Lat/Long: 38.31249º / -121.73734º
UTM: Zone-10 N4241241 E610387
Area: 56.5 acres
Elevation: 10 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 02E
Section: 03 **Qtr:** NE
Meridian: M

Location: ALONG HASS SLOUGH, FROM DUCK SLOUGH NORTHWEST APPROX. 1 MILE.

Location Detail: ALSO INTO THE SOUTH 1/2 OF PROJECTED SECTION 34.

Ecological: GROWING ON LEVEE BANKS AND ISLANDS.

General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED IN 1988. 1 PATCH (8" X8") OBSERVED AT NORTHWESTERN EDGE OF SITE IN 2005.

Owner/Manager: UNKNOWN

Lilaeopsis masonii

Mason's lilaeopsis

Element Code: PDAPI19030

Status
Federal: None
State: Rare

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES, RIPARIAN SCRUB.
Micro: TIDAL ZONES, IN MUDDY OR SILTY SOIL FORMED THROUGH RIVER DEPOSITION OR RIVER BANK EROSION. 0-10M.

Occurrence No. 73 **Map Index:** 22577 **EO Index:** 16579

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-24
Site: 2005-08-24
Record Last Updated: 2005-11-30

Quad Summary: Liberty Island (3812136/497C)
County Summary: Solano

Lat/Long: 38.29046º / -121.72392º
UTM: Zone-10 N4238813 E611594
Area: 10.1 acres
Elevation: 10 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 02E
Section: 11 **Qtr:** SW
Meridian: M

Location: AT THE SOUTHEAST TIP OF PETERS POCKET, AT CONFLUENCE OF CACHE SLOUGH AND HASS SLOUGH.
Location Detail: 2 CNDDB POLYGONS: (1) ON THE VERY SE CORNER OF PETERS POCKET, (2) THE ERODING BASE OF THE OUTBOARD SIDE OF A LEVEE, ON THE EASTERN EDGE OF CACHE SLOUGH/HASS SLOUGH.
Ecological: LEVEE EDGE, FOUND WITH SALIX LUCIDA, MENTHA ARVENSIS, AND ALNUS RHOMBIFOLIA.
Threat: A LOT OF TRASH ON SITE (A TELEVISION, LARGE STYROFOAM PIECES).
General: 1988 MAP DETAIL IS ONLY SOURCE OF INFORMATION FOR COLONY (1). 1 PATCH SEEN AT COLONY (2) IN 2005.
Owner/Manager: PVT

Occurrence No. 141 **Map Index:** 26543 **EO Index:** 16101

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-05-XX
Site: 1992-05-XX
Record Last Updated: 2000-09-01

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.13662º / -122.03718º
UTM: Zone-10 N4221411 E584377
Area: 72.9 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 03N
Range: 02W
Section: 1 **Qtr:** XX
Meridian: X

Location: SOUTH SHORE OF GRIZZLY ISLAND ALONG GRIZZLY BAY, FROM MONTEZUMA SLOUGH EAST ABOUT 2.7 MILES, SUISUN MARSH.
General: MAP DETAIL IS ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE.
Owner/Manager: UNKNOWN

Occurrence No. 148 **Map Index:** 43687 **EO Index:** 43687

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-06-16
Site: 1992-06-16
Record Last Updated: 2000-09-01

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19300º / -122.10269º
UTM: Zone-10 N4227609 E578575
Area: 3.2 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02W
Section: 17 **Qtr:** XX
Meridian: M

Location: SUISUN CREEK, ALONG MOUTH OF CREEK AS IT ENTERS MARSH, SUISUN MARSH.
Location Detail: MAPPED 1.9 MILES WEST OF JACKSNIPE STATION ALONG SPRR.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL.
Owner/Manager: UNKNOWN

Lilaeopsis masonii

Mason's lilaeopsis

Element Code: PDAPI19030

Status
Federal: None
State: Rare

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES, RIPARIAN SCRUB.
Micro: TIDAL ZONES, IN MUDDY OR SILTY SOIL FORMED THROUGH RIVER DEPOSITION OR RIVER BANK EROSION. 0-10M.

Occurrence No. 153 **Map Index:** 43721 **EO Index:** 43721
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-09-07

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.20523º / -121.91194º
UTM: Zone-10 N4229145 E595263
Area: 226.3 acres
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01E
Section: 07 **Qtr:** XX
Meridian: M

Location: NORTH OF BRADMOOR ISLAND ALONG NURSE SLOUGH, DENVERTON SLOUGH, AND LUCO SLOUGH; SUISUN MARSH.
Location Detail: NUMEROUS COLONIES MAPPED ALONG SLOUGHS.
General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL FROM DWR (1992, 1994) AND STATE LANDS COMMISSION (1999).
Owner/Manager: UNKNOWN

Occurrence No. 154 **Map Index:** 43722 **EO Index:** 43722
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-05-19
Site: 1992-05-19
Record Last Updated: 2000-09-07

Quad Summary: Denverton (3812128/481B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.16702º / -122.00050º
UTM: Zone-10 N4224818 E587554
Area: 6.0 acres
Elevation: 10 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 29 **Qtr:** NW
Meridian: M

Location: GRIZZLY ISLAND, ALONG TREE SLOUGH ABOUT 1.1 MILE SOUTH OF MONTEZUMA SLOUGH, SUISUN MARSH.
Location Detail: MAPPED BY CNDDB ACCORDING TO DWR MAP.
General: ONLY SOURCE OF INFORMATION IS MAP DETAIL FROM DWR.
Owner/Manager: UNKNOWN

Occurrence No. 155 **Map Index:** 43723 **EO Index:** 43723
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2006-08-28

Quad Summary: Denverton (3812128/481B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.18602º / -121.96812º
UTM: Zone-10 N4226958 E590368
Area: 928.5 acres
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 15 **Qtr:** XX
Meridian: M

Location: NORTH SIDE OF GRIZZLY ISLAND ALONG MONTEZUMA SLOUGH, INCL NURSE SLOUGH, CROSS SLOUGH, AND HASTING SLOUGH; SUISUN MARSH.
Location Detail: LARGE AREA: ALONG MONTEZUMA SLOUGH FROM 0.5 MILE N OF MEINS LANDING TO 1 MILE E OF HUNTER CUT, NURSE SLOUGH W OF BRADMOOR ISLAND, ENTIRE LENGTH OF CROSS SLOUGH, & LOWER PORTION OF HASTING SLOUGH. NEED OVERLAY OR GIS COVERAGE TO APPRECIATE.
General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL FROM DWR (1992, 1994) AND STATE LANDS COMMISSION (1999).
Owner/Manager: UNKNOWN

Lilaeopsis masonii

Mason's lilaeopsis

Element Code: PDAPI19030

Status
Federal: None
State: Rare

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES, RIPARIAN SCRUB.
Micro: TIDAL ZONES, IN MUDDY OR SILTY SOIL FORMED THROUGH RIVER DEPOSITION OR RIVER BANK EROSION. 0-10M.

Occurrence No. 156 **Map Index:** 43724 **EO Index:** 43724
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 2000-09-07

Quad Summary: Fairfield South (3812221/482A), Vine Hill (3812211/482D)
County Summary: Solano

Lat/Long: 38.12258º / -122.06864º
UTM: Zone-10 N4219825 E581635
Area: 68.7 acres
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 03N
Range: 02W
Section: 10 **Qtr:** XX
Meridian: M

Location: SOUTHERN TIP OF JOICE ISLAND AT MOUTH OF SUISUN SLOUGH, SUISUN MARSH.
Location Detail: SEVERAL COLONIES ALONG SOUTHERN AND SOUTHEASTERN TIP OF JOICE ISLAND, ONE COLONY ON ADJACENT SHORE OF MORROW ISLAND.
General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL FROM DWR-ENVIRONMENTAL SERVICES OFFICE (1994).
Owner/Manager: UNKNOWN

Occurrence No. 179 **Map Index:** 70526 **EO Index:** 71430
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-05-19
Site: 1992-05-19
Record Last Updated: 2007-11-27

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.16057º / -121.99501º
UTM: Zone-10 N4224108 E588043
Area: 7.0 acres
Elevation: 3 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 29 **Qtr:** SE
Meridian: M

Location: GRIZZLY ISLAND, ALONG TREE SLOUGH ABOUT 1.8 MILES S OF MONTEZUMA SLOUGH, SUISUN MARSH.
Location Detail: MAPPED BY CNDDB ACCORDING TO DWR MAP.
General: ONLY SOURCE OF INFORMATION IS MAP DETAIL FROM DWR.
Owner/Manager: UNKNOWN

Occurrence No. 183 **Map Index:** 70545 **EO Index:** 71451
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 2007-12-03

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.12720º / -121.91627º
UTM: Zone-10 N4220483 E594985
Area: 15.0 acres
Elevation: 4 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 03N
Range: 01W
Section: 01 **Qtr:** SE
Meridian: M

Location: MONTEZUMA SLOUGH, ABOUT 1 MILE SW OF MEINS LANDING ON THE SE PORTION OF GRIZZLY ISLAND, SUISUN MARSH.
Location Detail: MAPPED BY CNDDB AS 2 COLONIES ALONG W SIDE OF SLOUGH ACCORDING TO A 1992 MAP IN A 1994 DWR REPORT.
General: MAP DETAIL IS ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE.
Owner/Manager: UNKNOWN

Lilaeopsis masonii

Mason's lilaeopsis

Element Code: PDAPI19030

Status
Federal: None
State: Rare

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: FRESHWATER AND BRACKISH MARSHES, RIPARIAN SCRUB.
Micro: TIDAL ZONES, IN MUDDY OR SILTY SOIL FORMED THROUGH RIVER DEPOSITION OR RIVER BANK EROSION. 0-10M.

Occurrence No. 185 **Map Index:** 70547 **EO Index:** 71453
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-XX-XX
Site: 1992-XX-XX
Record Last Updated: 2007-11-28

Quad Summary: Honker Bay (3812118/481C), Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.10333º / -121.89075º
UTM: Zone-10 N4217861 E597253
Area: 199.0 acres
Elevation: 5 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 03N
Range: 01E
Section: 17 **Qtr:** XX
Meridian: M

Location: MONTEZUMA SLOUGH, FROM NEAR MOLENA TO NEAR MONTEZUMA, SUISUN MARSH.

Location Detail: MAPPED BY CNDDB AS MULTIPLE COLONIES ALONG BOTH SIDES OF SLOUGH ACCORDING TO A 1992 MAP IN A 1994 DWR REPORT AND 2 RUYGT FIELD SURVEY FORMS. COLONIES SCATTERED ALONG A 4 MILE STRETCH OF THE SLOUGH.

Ecological: ESTUARINE, SALT MARSH/BANK OF LEVEE, INTERTIDAL. DOMINANTS: SCIRPUS ACUTUS, PHRAGMITES COMMUNIS, JUNCUS LESUEURII. ALSO ASSOCIATED: SOLDIAGO OCCIDENTALIS, LATHYRUS JEPSONII JEPSONII, DESCHAMPSIA CESPITOSA.

Threat: AT LEAST SOME PORTIONS OF POPULATION HAVE SOME RIP-RAP AND ARE INVADED BY PHRAGMITES.

General: INCLUDES FORMER OCCURRENCE #66.

Owner/Manager: PVT-CATELLUS CORP, OTHER?

Limosella subulata

Delta mudwort

Element Code: PDSCR10050

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4?Q
State: S2.1

Other Lists
CNPS List: 2.1

Habitat Associations
General: RIPARIAN SCRUB, FRESHWATER MARSH, BRACKISH MARSH. PROBABLY THE RAREST OF THE SUITE OF DELTA RARE PLANTS.
Micro: USUALLY ON MUD BANKS OF THE DELTA IN MARSHY OR SCRUBBY RIPARIAN ASSOCIATIONS; OFTEN WITH LILAEOPSIS MASONII. 0-3M.

Occurrence No. 4 **Map Index:** 17168 **EO Index:** 12056

Occ Rank: Good
Origin: Transplant Outside of Native Hab./Range
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1997-05-24
Site: 1997-05-24
Record Last Updated: 1995-11-01

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26424º / -121.78366º
UTM: Zone-10 N4235833 E606408
Radius: 80 meters
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02E
Section: 20 **Qtr:** XX
Meridian: M

Location: CALHOUN CUT ECOLOGICAL RESERVE, ALONG BARKER SLOUGH, ABOUT 0.6 MILE WEST OF JUNCTION WITH HASTINGS TRACT.

Ecological: MUDDY BANKS WITH LILAEOPSIS MASONII, HYDROCOTYLE VERTICILLATA, SCIRPUS CERNUUS, AND JUNCUS ACUTUS.

General: THIS IS AN EXPERIMENTAL PLOT FOR LILAEOPSIS MASONII TRANSPLANTED FROM ACROSS THE SLOUGH (CIRCA 1987). SITE WAS MONITORED FOR FIVE YEARS. MUCH OF SITE NATURAL AND IN EXCELLENT CONDITION. TRANSPLANT AREAS ERODED BUT WITH MANY

Owner/Manager: DFG-CALHOUN CUT ER

Occurrence No. 6 **Map Index:** 20602 **EO Index:** 6290

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-07-XX
Site: 1994-07-XX
Record Last Updated: 1995-11-01

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25913º / -121.79994º
UTM: Zone-10 N4235247 E604991
Area: 30.6 acres
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 02E
Section: 19 **Qtr:** S
Meridian: M

Location: CALHOUN CUT ECOLOGICAL RESERVE, FROM JUST EAST OF HIGHWAY 113, EXTENDING EAST FOR 1.45 MILES.

Location Detail: MAPPED AS 5 POLYGONS ALONG BOTH SIDES OF SLOUGH. ALSO IN S 1/2 OF SECTION 20.

Ecological: ON MUDDY BANKS WITH HYDROCOTYLE VERTICILLATA, SCIRPUS CERNUUS. OTHER RARE PLANTS IN THIS AREA INCLUDE LILAEOPSIS MASONII, AND OCCASIONAL ASTER LENTUS AND LATHYRUS JEPSONII JEPSONII.

General: OVER 1000 PLANTS ESTIMATED IN 1994. PLANTS PROBABLY OCCUR SPORADICALLY ALL ALONG THIS SECTION OF CALHOUN CUT; DIFFICULT TO DISTINGUISH FROM LILAEOPSIS MASONII WITHOUT VERY CLOSE INSPECTION (WITHAM 1994).

Owner/Manager: DFG-CALHOUN CUT ER

Occurrence No. 7 **Map Index:** 10883 **EO Index:** 9611

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-08-20
Site: 1990-08-20
Record Last Updated: 1995-11-13

Quad Summary: Rio Vista (3812126/480B)
County Summary: Solano

Lat/Long: 38.23361º / -121.66967º
UTM: Zone-10 N4232571 E616430
Area: 95.4 acres
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 03E
Section: 32 **Qtr:** XX
Meridian: M

Location: MINER SLOUGH WILDLIFE AREA, CONFLUENCE OF MINER SLOUGH AND CACHE SLOUGH, SOUTH OF LIBERTY ISLAND.

Ecological: ON SOUTH-FACING BANKS OF TULE ISLANDS, INUNDATED AT HIGH TIDE AND EXPOSED AT LOW TIDE. ASSOCIATED WITH LILAEOPSIS MASONII, HYDROCOTYLE VERTICILATA, SAMOLUS FLORIBUNDUS, SCIRPUS, PASPALUM, JUNCUS CYPERUS, ELEOCHARIS, AND HYPERICUM.

General: OBSERVED 1985 AND 1990 DURING LILAEOPSIS MASONII SURVEYS.

Owner/Manager: DFG-MINER SLOUGH WA

Limosella subulata

Delta mudwort

Element Code: PDSCR10050

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4?Q
State: S2.1

Other Lists
CNPS List: 2.1

Habitat Associations
General: RIPARIAN SCRUB, FRESHWATER MARSH, BRACKISH MARSH. PROBABLY THE RAREST OF THE SUITE OF DELTA RARE PLANTS.
Micro: USUALLY ON MUD BANKS OF THE DELTA IN MARSHY OR SCRUBBY RIPARIAN ASSOCIATIONS; OFTEN WITH LILAEOPSIS MASONII. 0-3M.

Occurrence No. 21 **Map Index:** 10855 **EO Index:** 7761
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-07-26
Site: 1990-07-26
Record Last Updated: 1993-12-29

Quad Summary: Rio Vista (3812126/480B)
County Summary: Sacramento

Lat/Long: 38.13517º / -121.68693º
UTM: Zone-10 N4221627 E615074
Radius: 80 meters
Elevation: 0 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 03N
Range: 03E
Section: 6 **Qtr:** XX
Meridian: M

Location: EAST BANK OF SACRAMENTO RIVER, 2.5 KM (1.5 MI) SOUTH OF THE RIO VISTA BRIDGE.

Location Detail: SANDY BEACH 1.5 MILES SOUTH OF JUNCTION OF HWY 160 AND HWY 12 ON THE WEST SHORE OF BRANNON ISLAND.

Ecological: GROWING IN ASSOCIATION WITH ASTER LENTUS, LILAEOPSIS MASONII, MIMULUS GUTTATUS, SCIRPUS, PHRAGMITES, POLYGONUM, JUNCUS, CYPERUS, PLANTAGO, CYNODON, HELENIUM, PASPALUM, ARUNDO, SALIX, DISTICHLIS, VERBENA, AND EQUISETUM.

Threat: SITE THREATENED BY TRAMPLING ASSOCIATED WITH RECREATIONAL USE.

General: OBSERVED DURING LILAEOPSIS MASONII SURVEY IN 1990. AREA BETWEEN SITE AND BRIDGE IS UNSURVEYED, ADDITIONAL PLANTS MAY OCCUR.

Owner/Manager: PVT

Occurrence No. 22 **Map Index:** 26547 **EO Index:** 5215
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-07-XX
Site: 1994-07-XX
Record Last Updated: 1995-11-01

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26597º / -121.78649º
UTM: Zone-10 N4236021 E606158
Radius: 80 meters
Elevation: 0 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02E
Section: 20 **Qtr:** XX
Meridian: M

Location: BARKER SLOUGH, APPROX 0.85 MI W OF JUNCTION WITH HASTINGS CUT, CALHOUN CUT ECOLOGICAL RESERVE.

Ecological: FOUND IN TIDAL ZONE OF SLOUGH, PRIMARILY ON CLAYEY-SILTY FLATS WITH LILAEOPSIS MASONII, HYDROCOTYLE VERTICILLATA, AND SCIRPUS CERNUUS. OCCASIONALLY WITH DENSER S. ACUTUS MARSH.

Owner/Manager: DFG-CALHOUN CUTTER

Linderiella occidentalis

California linderiella

Element Code: ICBRA06010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.
Micro: WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No. 86 **Map Index:** 32548 **EO Index:** 1702
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-02-07
Site: 1993-02-07
Record Last Updated: 1995-12-01

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.30644º / -121.79641º
UTM: Zone-10 N4240501 E605232
Radius: 80 meters
Elevation: 15 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02E
Section: 06 **Qtr:** SW
Meridian: M

Location: NE OF DOZIER; SW CORNER OF BROWN ROAD X SALEM ROAD.
Ecological: TURBID ROADSIDE POND.
General: 5+ INDIVIDUALS OBSERVED.
Owner/Manager: UNKNOWN

Occurrence No. 87 **Map Index:** 32549 **EO Index:** 1703
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-02-07
Site: 1993-02-07
Record Last Updated: 1995-12-01

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.28742º / -121.79637º
UTM: Zone-10 N4238390 E605263
Radius: 80 meters
Elevation: 13 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02E
Section: 07 **Qtr:** SW
Meridian: M

Location: EAST OF DOZIER; ON WEST SIDE OF SALEM ROAD, 2.1 KM S OF BROWN ROAD X SALEM ROAD.
Ecological: ROADSIDE DITCH ADJACENT TO HORSE PASTURE; TURBID POOL CHOKED WITH ALGAE.
General: 20+ INDIVIDUALS OBSERVED AT POOL.
Owner/Manager: UNKNOWN

Occurrence No. 189 **Map Index:** 47126 **EO Index:** 47126
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-01-15
Site: 2002-01-15
Record Last Updated: 2002-01-30

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.34366º / -121.82289º
UTM: Zone-10 N4244601 E602864
Radius: 80 meters
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01E
Section: 25 **Qtr:** NW
Meridian: M

Location: 0.6 MILE SW OF BINGHAMPTON; 0.5 MILE NORTH OF FRY ROAD, EAST SIDE OF SR 113.
Ecological: HABITAT CONSISTS OF OPEN GRASSLAND. SURROUNDING LAND USED FOR GRAZING SHEEP AND LLAMAS.
Threat: THREAT CONSISTS OF HIGHWAY REALIGNMENT AND IMPROVEMENTS.
General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED AT POOL #10 ON 15 JAN 2002.
Owner/Manager: UNKNOWN

Linderiella occidentalis

California linderiella

Element Code: ICBRA06010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.
Micro: WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No. 190 **Map Index:** 47127 **EO Index:** 47127
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-01-14
Site: 2002-01-14
Record Last Updated: 2002-01-30

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.22814º / -121.91434º
UTM: Zone-10 N4231685 E595023
Radius: 80 meters
Elevation: 5 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01E
Section: 06 **Qtr:** NW
Meridian: M

Location: 0.9 MILE NW OF DENVERTON; 0.5 MI WEST OF DENVERTON RD. SOUTH SIDE OF SR 12.
Ecological: HABITAT CONSISTS OF OPEN GRASSLAND.
Threat: THREATENED BY ROAD MODIFICATIONS.
General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED AT POOL #28 ON 14 JAN 2002.
Owner/Manager: CALTRANS

Occurrence No. 191 **Map Index:** 47128 **EO Index:** 47128
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-01-15
Site: 2002-01-15
Record Last Updated: 2002-01-30

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.20951º / -121.87885º
UTM: Zone-10 N4229655 E598154
Area: 6.5 acres
Elevation: 90 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01E
Section: 09 **Qtr:** NW
Meridian: M

Location: 1.4 MILES SW OF DENVERTON; 0.9 MILE SE OF INTERSECTION OF SR 12 WITH SHILOH/LAMBIE ROAD.
Location Detail: FOUND ON BOTH SIDES OF SR 12.
Ecological: HABITAT CONSISTS OF OPEN GRASSLAND.
Threat: ROAD AND SHOULDER MODIFICATIONS.
General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED AT POOL NUMBERS 75A AND 75B ON 15 JAN 2002.
Owner/Manager: CALTRANS

Occurrence No. 202 **Map Index:** 43444 **EO Index:** 48422
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-03-18
Site: 2002-04-01
Record Last Updated: 2002-08-01

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.27172º / -121.98603º
UTM: Zone-10 N4236450 E588695
Area: 15.2 acres
Elevation: 45 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01W
Section: 21 **Qtr:** NW
Meridian: M

Location: APPROXIMATELY 2.5 MILES WEST OF TRAVIS FIELD; FIELD AT SE CORNER OF AIRBASE PARKWAY AND WALTERS ROAD.
Location Detail: 2 POOLS (27-14 AND 27-14A) ADJACENT TO AIRBASE PARKWAY AND 1 POOL (27-09) ADJACENT TO WALTERS ROAD.
Ecological: HABITAT CONSISTS OF NATURAL VERNAL POOLS IN A GRASSLAND GRAZED BY CATTLE. LEPIDURUS PACKARDI IN 2 POOLS. OTHER FAUNA INCLUDES EPHEMEROPTERA, OSTRACODA, CLADOCERA, CORIXIDA, GASTROPODA AND HYLA REGILLA.
Threat: PARCEL IS ISOLATED FROM OTHER VERNAL POOL HABITAT BY DEVELOPMENT.
General: UNKNOWN NUMBER OBSERVED BETWEEN JAN AND MAR OF 2002.
Owner/Manager: PVT

Linderiella occidentalis

California linderiella

Element Code: ICBRA06010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.
Micro: WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No. 203 **Map Index:** 48426 **EO Index:** 48426
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-01-31
Site: 2003-02-12
Record Last Updated: 2004-03-02

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.32484º / -121.78215º
UTM: Zone-10 N4242559 E606452
Area: 56.0 acres
Elevation: 15 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 06N
Range: 02E
Section: 32 **Qtr:** XX
Meridian: M

Location: 2.9 TO 3.7 MILES NE OF DOZIER; ALONG ABANDONED SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.

Location Detail: ALONG GRADE BETWEEN MAINE PRAIRIE SLOUGH AND HAAS SLOUGH; SITES 41-01, 41-09, 41-02, 41-04, 41-05, 41-06, 41-07, 42-01, 42-03, 42-04, AND 42-05.

Ecological: HABITAT (DISTURBED) CONSISTS OF SEASONALLY PONDED DEPRESSIONS (DITCHES, BORROW PITS & POSSIBLY 1 NATURAL VERNAL POOL) IN A LINEAR ARRANGEMENT ALONG RAILROAD RIGHT-OF-WAY (DIRT ACCESS RD). SOME POOLS UNVEGETATED, SOME W/CATTAILS, COCKLEBUR.

Threat: THREATS INCLUDE DISKING / GRADING AND REGULAR DISTURBANCE SUCH AS VEHICULAR TRAFFIC.

General: UNKNOWN NUMBER OBSERVED, JAN-MAR 2002. B. LYNCHI PRESENT AT SITE 42-01. UNKNOWN NUMBER OBSERVED (SITE 41-03), 15 JAN 2003 AND 31 JAN 2003; POOL WAS DRY BY 12 FEB 2003.

Owner/Manager: UNKNOWN

Occurrence No. 204 **Map Index:** 48427 **EO Index:** 48427
Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-02-19
Site: 2002-02-19
Record Last Updated: 2002-08-02

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.34358º / -121.76545º
UTM: Zone-10 N4244658 E607884
Area: 28.7 acres
Elevation: 15 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 06N
Range: 02E
Section: 28 **Qtr:** XX
Meridian: M

Location: 4.7 TO 5.1 MILES NE OF DOZIER; ALONG WEST SIDE OF ABANDONED SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.

Location Detail: SITE 43-03; EXTENDS NE ALONG GRADE FROM NORTON ROAD.

Ecological: HABITAT CONSISTS OF A SEASONALLY PONDED, NATURAL LINEAR DEPRESSION IN AN AGRICULTURAL FIELD. POOL VEGETATED MAINLY BY AGRICULTURAL GRASSES.

Threat: THREAT INCLUDES DISKING AND AGRICULTURAL ACTIVITES.

General: UNKNOWN NUMBER OBSERVED ON 19 FEB 2002

Owner/Manager: PVT

Linderiella occidentalis

California linderiella

Element Code: ICBRA06010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.
Micro: WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No. 205 **Map Index:** 48428 **EO Index:** 48428
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-01-16
Site: 2003-01-16
Record Last Updated: 2004-12-23

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.31418º / -121.86968º
UTM: Zone-10 N4241279 E598815
Radius: 80 meters
Elevation: 45 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 04 **Qtr:** XX
Meridian: M

Location: 3.5 MILES NW OF DOZIER; SW CORNER OF INTERSECTION OF HAY ROAD AND DALLY ROAD. EAST OF TRAVIS AFB.
Location Detail: SITE 36-20
Ecological: HABITAT CONSISTS OF SHALLOW, SHORT-LIVED, NATURAL VERNAL POOL IN A GRASSLAND GRAZED BY CATTLE. CONTIGUOUS WITH OTHER GRASSLAND/VERNAL POOL HABITAT TO THE SOUTH & EAST. BRACHINECTA LYNCHI & B. MESOVALLENSIS IN NEARBY VERNAL POOLS.
General: UNKNOWN NUMBER OBSERVED 1 AND 11 JAN OF 2002.
Owner/Manager: PVT

Occurrence No. 206 **Map Index:** 48434 **EO Index:** 48434
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-01-15
Site: 2003-01-15
Record Last Updated: 2004-12-23

Quad Summary: Liberty Island (3812136/497C), Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.35739º / -121.75320º
UTM: Zone-10 N4246205 E608933
Area: 122.6 acres
Elevation: 18 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 06N
Range: 02E
Section: 21 **Qtr:** XX
Meridian: M

Location: 5.5 MILES NW OF DOZIER; EXTENDING 4.4 MILES NW FROM BUNKER ALONG ABANDONED SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.
Location Detail: LOCATED BETWEEN BINGHAMTON ROAD (TO THE SOUTH) AND DEHLI ROAD (TO THE NORTH). SOUTHERN SECTION: 27 POOLS. MIDDLE SECTION: 16 POOLS. NORTHERN SECTION: 12 POOLS.
Ecological: HABITAT CONSISTS OF STRING OF SEASONALLY PONDED POOLS. MOST POOLS ARE BORROW PITS/DITCHES. A FEW NATURALLY OCCURRING VERNAL POOLS LOCATED IN SECTION 15 WITHIN A CATTLE GRAZED GRASSLAND. SOME AREAS GRAZED BY SHEEP/GOATS.
Threat: THREAT INCLUDES GRAZING OF SOME AREAS BY SHEEP/GOATS.
General: UNKNOWN NUMBER OBSERVED BETWEEN JAN AND FEB 2002, AND JAN 2003. MOST OF HABITAT SURROUNDING CORRIDOR IS UNDER AGRICULTURAL PRODUCTION.
Owner/Manager: UNKNOWN

Linderiella occidentalis

California linderiella

Element Code: ICBRA06010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.
Micro: WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No. 207 **Map Index:** 48444 **EO Index:** 48444
Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-01-XX
Site: 2003-01-XX
Record Last Updated: 2004-12-23

Quad Summary: Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.25468º / -122.02362º
UTM: Zone-10 N4234523 E585427
Area: 19.5 acres
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01W
Section: 30 **Qtr:** XX
Meridian: M

Location: NE OF FAIRFIELD; FROM LAUREL CREEK TO 0.4 MILES SW ALONG THE UNION PACIFIC RAILROAD GRADE.
Location Detail: SITES 25-09, 25-10, 25-12 AND 25-13.
Ecological: HABITAT CONSISTS OF SEASONALLY PONDED DEPRESSIONS AND RAILROAD BORROW PITS ALONG RAILROAD RIGHT-OF-WAY. SURROUNDING AREA COMPRISED OF RESIDENTIAL AND COMMERCIAL DEVELOPMENTS. CYZICUS CALIFORNICUS PRESENT IN ONE POOL.
General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 28 DEC 2001; 8, 24 JAN 2002; 6, 20 FEB 2002; & 5 MAR 2002. A FEW OBSERVED JAN 2003.
Owner/Manager: UNKNOWN

Occurrence No. 211 **Map Index:** 48455 **EO Index:** 48455
Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-01-XX
Site: 2003-01-XX
Record Last Updated: 2004-12-23

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.24749º / -122.03524º
UTM: Zone-10 N4233715 E584418
Area: 15.9 acres
Elevation: 5 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 02W
Section: 25 **Qtr:** XX
Meridian: M

Location: JUST NORTH OF SUISUN CITY; 0.2 MILES NORTH OF HWY 12, ALONG RAILROAD GRADE.
Location Detail: SITE NUMBER 24-04 & 24-05B; 315 FT SE OF UNION PACIFIC RAILROAD GRADE IN A DEPRESSION NORTH OF DIRT ROAD.
Ecological: HABITAT CONSISTS OF SEASONALLY PONDED, ARTIFICIALLY EXCAVATED DEPRESSIONS DOMINATED BY COCKLEBUR. THE SURROUNDING AREA IS AN UNDEVELOPED LOT WITH RUDERAL VEGETATION. SITE IS ISOLATED FROM NATURAL VERNAL POOL HABITAT BY DEVELOPMENT.
General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 8, 24 JAN 2002 AND 6, 20 FEB 2002. FEW OBSERVED IN JAN 2003.
Owner/Manager: UNKNOWN

Occurrence No. 212 **Map Index:** 48496 **EO Index:** 48496
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-01-14
Site: 2003-01-14
Record Last Updated: 2004-12-23

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.45207º / -121.66720º
UTM: Zone-10 N4256816 E616296
Area: 103.3 acres
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 03E
Section: 17 **Qtr:** XX
Meridian: M

Location: 0.4 TO 2 MILES SW OF SAXON; FROM 0.1 MILE NORTH TO 1.5 MILES SOUTH OF ROAD 38 ALONG RAIROAD GRADE.
Location Detail: OBSERVED AT 28 DIFFERENT SITES ALONG BOTH SIDES OF THE SACRAMENTO NORTHERN ELECTRIC RAILROAD GRADE.
Ecological: HABITAT CONSISTS OF SEASONALLY PONDED DEPRESSIONS (BORROW PITS, DITCHES) AND SOME NATURAL VERNAL POOLS IN A GRASSLAND GRAZED BY CATTLE. NATURAL TOPOGRAPHY MAINLY ABSENT. BRANCHINECTA LYNCHI AND LEPIDURUS PACKARDI PRESENT.
General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED BETWEEN 3 JAN 2002 - 2 APR 2002, AND JAN 2003.
Owner/Manager: DFG

Linderiella occidentalis

California linderiella

Element Code: ICBRA06010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.
Micro: WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No. 213 **Map Index:** 48497 **EO Index:** 48497
Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-01-14
Site: 2002-01-14
Record Last Updated: 2002-08-07

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.42764º / -121.68946º
UTM: Zone-10 N4254077 E614392
Radius: 80 meters
Elevation: 20 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 03E
Section: 30 **Qtr:** NW
Meridian: M

Location: 1.4 MILES NE OF YOLANO; 0.3 MILES SE OF THOMSEN ROAD, NORTH OF UNNAMED SLOUGH & EAST OF NORTHERN ELECTRIC RAILROAD GRADE

Location Detail: SITE NUMBERS 50-09 AND 50-10.

Ecological: HABITAT CONSISTS OF 2 SMALL ARTIFICIALLY CREATED DEPRESSIONS THAT SEASONALLY POND RAINWATER. AREA IS GENERALLY DISTURBED AND SURROUNDING LAND IS UNDER AGRICULTURAL PRODUCTION.

General: UNKNOWN NUMBER OF INDIVIDUALS OBSERVED ON 14 JAN 2002.

Owner/Manager: UNKNOWN

Occurrence No. 236 **Map Index:** 59073 **EO Index:** 59109
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1997-02-11
Site: 1997-02-11
Record Last Updated: 2005-01-03

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.41505º / -121.93386º
UTM: Zone-10 N4252406 E593074
Radius: 80 meters
Elevation: 95 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01W
Section: 36 **Qtr:** XX
Meridian: M

Location: ABOUT 0.1 MI SOUTH OF INTERSECTION OF LEISURE TOWN ROAD AND MIDWAY ROAD

Location Detail: IN POOLS #2 AND #3, NORTH VILLAGE PROJECT SITE.

Ecological: ANNUAL GRASSLAND WITH SEASONALLY PONDED WETLANDS GRAZED BY CATTLE

Threat: GRAZING, AGRICULTURE PRACTICES, POTENTIAL DEVELOPMENT

General: UNKNOWN NUMBER OBSERVED BETWEEN 7 JAN & 11 FEB 1997.

Owner/Manager: PVT

Occurrence No. 237 **Map Index:** 59074 **EO Index:** 59110
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1997-02-11
Site: 1997-02-11
Record Last Updated: 2005-01-03

Quad Summary: Allendale (3812148/498B)
County Summary: Solano

Lat/Long: 38.41183º / -121.94427º
UTM: Zone-10 N4252038 E592170
Radius: 80 meters
Elevation: 100 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 07N
Range: 01W
Section: 35 **Qtr:** XX
Meridian: M

Location: ABOUT 0.1 MI EAST OF THE INTERSECTION OF I-505 AND GIBSON CANYON CREEK (NORTH FORK).

Location Detail: IN POOL #7 AT NORTH VILLAGE PROJECT SITE, VACAVILLE.

Ecological: ANNUAL GRASSLAND WITH SEASONALLY PONDED WETLANDS GRAZED BY CATTLE

Threat: GRAZING, AGRICULTURE PRACTICES, POTENTIAL DEVELOPMENT

General: UNKNOWN NUMBER OBSERVED BETWEEN 7 JAN & 11 FEB 1997.

Owner/Manager: PVT

Melospiza melodia maxillaris

Suisun song sparrow

Element Code: ABPBXA301K

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2

Other Lists
CDFG Status: SC

Habitat Associations
General: RESIDENT OF BRACKISH-WATER MARSHES SURROUNDING SUISUN BAY.
Micro: INHABITS CATTAILS, TULES AND OTHER SEDGES, AND SALICORNIA; ALSO KNOWN TO FREQUENT TANGLES BORDERING SLOUGHS.

Occurrence No. 10 **Map Index:** 10187 **EO Index:** 24622

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Increasing

Dates Last Seen
Element: 1986-XX-XX
Site: 1986-XX-XX
Record Last Updated: 2005-02-24

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.18826º / -121.93230º
UTM: Zone-10 N4227242 E593502
Radius: 4/5 mile
Elevation: 8 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01W
Section: 13 **Qtr:** XX
Meridian: M

Location: NURSE SLOUGH MARSH, SE OF POTRERO HILLS, APPROXIMATELY 3 MI SW OF RIO VISTA JUNCTION.
Location Detail: 483 PAIRS ESTIMATED IN BRACKISH MARSH.
General: COMPILATION OF 1976-1986 DATA.
Owner/Manager: UNKNOWN

Occurrence No. 11 **Map Index:** 09868 **EO Index:** 14643

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Increasing

Dates Last Seen
Element: 2004-05-06
Site: 2004-05-06
Record Last Updated: 2005-03-08

Quad Summary: Denverton (3812128/481B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19554º / -122.01103º
UTM: Zone-10 N4227973 E586598
Area: 1,305.7 acres
Elevation:
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 18 **Qtr:** XX
Meridian: M

Location: CUTOFF SLOUGH MARSH, ON SE SIDE POTRERO HILLS, APPROX 4 MI S OF FAIRFIELD.
Location Detail: CAS (1915-1917): LOCATION GIVEN AS "SUISUN MARSH". MVZ (1908-1940): LOCATIONS GIVEN AS "MARSHES NEAR SUISUN", "SUISUN MARSH", "SUISUN MARSHES", "3 MI S SUISUN", "S SUISUN". 2004: DETECTIONS EAST OF FIRST MALLARD BRANCH.
Ecological: HABITAT CONSISTS OF BRACKISH MARSH. VEGETATION INCLUDES SALICORNIA VIRGINICA, SCIRPUS SPP., AND TYPHA SPP. CURRENT/SURROUNDING LAND USE: AGRICULTURE.
General: NUMEROUS RECORDS FROM MVZ, 1908-1940. 5 SPECIMENS COLLECTED (CAS) DURING 1915 & 1917. 1373 PAIRS ESTIMATED. 3 TO 11 DETECTIONS (DETECTIONS FROM 2 DATES COMBINED) OCCURRED AT 10 DIFFERENT POINTS ON 22 MAR & 6 MAY 2004. 17 NESTS IN 2004.
Owner/Manager: PVT, DFG-GRIZZLY ISLAND WA

Occurrence No. 12 **Map Index:** 09695 **EO Index:** 14644

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Increasing

Dates Last Seen
Element: 1986-XX-XX
Site: 1986-XX-XX
Record Last Updated: 2005-04-04

Quad Summary: Fairfield South (3812221/482A), Benicia (3812212/482C), Vine Hill (3812211/482D)
County Summary: Solano

Lat/Long: 38.11527º / -122.06601º
UTM: Zone-10 N4219016 E581874
Area: 981.8 acres
Elevation:
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 03N
Range: 02W
Section: 10 **Qtr:** XX
Meridian: M

Location: MORROW ISLAND AND SOUTH JOICE ISLAND.
Location Detail: 1940: LOCATION GIVEN (AND MAPPED) AS "MOUTH SULPHUR SPRINGS VALLEY"; MVZ LAT/LONG AT DIFFERENT LOCATION. 1947: LOCATION GIVEN (AND MAPPED) AS "SUISUN BAY SHORE, MOUTH SULPHUR SPRINGS CREEK"
Ecological: NARROW STRIP OF BRACKISH COASTAL MARSH ALONG THE SHORES. CONNECTED TO GOODYEAR, CORDELIS & SUISUN SLOUGHS.
General: 8 COLLECTED (MVZ# 86762-86769) ON 7 APR AND 18 NOV 1940. 6 COLLECTED (MVZ# 97660-97665) 12 OCT 1947. 591 PAIRS ESTIMATED. COMPILATION OF 1976-86 DATA.
Owner/Manager: PVT

Melospiza melodia maxillaris

Suisun song sparrow

Element Code: ABPBXA301K

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2

Other Lists
CDFG Status: SC

Habitat Associations
General: RESIDENT OF BRACKISH-WATER MARSHES SURROUNDING SUISUN BAY.
Micro: INHABITS CATTAILS, TULES AND OTHER SEDGES, AND SALICORNIA; ALSO KNOWN TO FREQUENT TANGLES BORDERING SLOUGHS.

Occurrence No. 16 **Map Index:** 09989 **EO Index:** 13339

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Increasing

Dates Last Seen
Element: 1986-XX-XX
Site: 1986-XX-XX
Record Last Updated: 2005-04-04

Quad Summary: Honker Bay (3812118/481C), Denverton (3812128/481B), Vine Hill (3812211/482D), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.11017º / -121.98551º
UTM: Zone-10 N4218524 E588937
Area: 3,093.8 acres
Elevation:
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 03N
Range: 01W
Section: 16 **Qtr:** XX
Meridian: M

Location: GRIZZLY BAY SHORE ISLANDS AT SUISUN CUTOFF, SUISUN AND GRIZZLY BAYS.
Location Detail: 1913: LOCATION GIVEN AS "SUISUN BAY". 1947: LOCATION GIVEN AS "SUISUN BAY SHORE, 3 MI S GRIZZLY ISLAND FERRY; GRIZZLY ISLAND".
General: 8 COLL. (CAS) IN 1913. 10 COLL. (MVZ) IN 1947. GRIZZLY BAY SHORE 433 PRS EST IN 412 ACRES OF FORMER MUD FLATS NOW COVERED W/MARSH VEGETATION. 854 PRS EST ON 813 ACRES OF TIDAL HABITAT ON ISLANDS AT SUISUN CUTOFF.COMPILATION OF 1976-86 DATA.
Owner/Manager: UNKNOWN

Occurrence No. 20 **Map Index:** 60149 **EO Index:** 60259

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-25
Site: 2004-06-25
Record Last Updated: 2005-02-24

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.19002º / -121.90834º
UTM: Zone-10 N4227462 E595597
Area:
Elevation: 4 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01E
Section: 18 **Qtr:** XX
Meridian: M

Location: ALONG SLOUGH LOCATED APPROXIMATELY 0.5 MILE EAST OF BRADMOOR ISLAND.
Location Detail: LOCATION MAPPED ACCORDING TO UTM COORDINATES GIVEN.
Ecological: HABITAT CONSISTS OF A BRACKISH MARSH VEGETATED BY SCIRPUS SPP., TYPHA SPP., AND SALICORNIA VIRGINICA.
General: 1- 6 DETECTED AT 9 DIFFERENT POINTS ON 25 JUN 2004.
Owner/Manager: UNKNOWN

Occurrence No. 21 **Map Index:** 60225 **EO Index:** 60261

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-16
Site: 2004-06-16
Record Last Updated: 2005-02-24

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.16726º / -121.96869º
UTM: Zone-10 N4224875 E590340
Area:
Elevation: 0 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 27 **Qtr:** XX
Meridian: M

Location: SOUTH OF MONTEZUMA SLOUGH, W PORTION OF AREA BETWEEN ISLAND AND FROST SLOUGHS, JUST EAST OF GRIZZLY ISLAND WA.
Location Detail: MVZ: LOCATION GIVEN AS "NO SPECIFIC LOCALITY RECORDED; GRIZZLY ISLAND". 2004: LOCATION MAPPED ACCORDING TO UTM COORDINATES GIVEN.
Ecological: HABITAT CONSISTS OF A BRACKISH MARSH VEGETATED BY SCIRPUS SPP., TYPHA SPP., AND SALICORNIA VIRGINICA.
General: 16 SPECIMENS COLLECTED (MVZ) DURING 1912, 1915, 1923, AND 1940. 1- 3 DETECTED AT 11 DIFFERENT POINTS ON 16 JUN 2004.
Owner/Manager: UNKNOWN

Melospiza melodia maxillaris

Suisun song sparrow

Element Code: ABPBXA301K

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2

Other Lists
CDFG Status: SC

Habitat Associations
General: RESIDENT OF BRACKISH-WATER MARSHES SURROUNDING SUISUN BAY.
Micro: INHABITS CATTAILS, TULES AND OTHER SEDGES, AND SALICORNIA; ALSO KNOWN TO FREQUENT TANGLES BORDERING SLOUGHS.

Occurrence No. 22 **Map Index:** 59291 **EO Index:** 60408
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-26
Site: 2004-05-26
Record Last Updated: 2005-03-07

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.17873º / -121.91102º
UTM: Zone-10 N4226206 E595377
Area: 52.1 acres
Elevation: 4 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01E
Section: 19 **Qtr:** XX
Meridian: M

Location: AREA SOUTH OF LITTLE HONKER BAY AND EAST OF NURSE SLOUGH, NORTHEASTERN SUISUN MARSH.
Location Detail: MAPPED ACCORDING TO UTM COORDINATES GIVEN.
Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SCIRPUS SPP., TYPHA SPP., AND SALICORNIA VIRGINICA.
General: 2-5 DETECTED AT 6 DIFFERENT POINTS ON 26 MAY 2004.
Owner/Manager: UNKNOWN

Occurrence No. 23 **Map Index:** 59862 **EO Index:** 60432
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-12
Site: 2004-06-12
Record Last Updated: 2005-03-08

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.20185º / -122.06517º
UTM: Zone-10 N4228624 E581850
Area:
Elevation: 9 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02W
Section: 10 **Qtr:** XX
Meridian: M

Location: FROM JUST NORTH OF, TO 0.5 MILE SW OF BOYNTON SLOUGH, 3 MILES SOUTH OF FAIRFIELD
Location Detail: LOCATION MAPPED ACCORDING TO UTM COORDINATES GIVEN. A PORTION OF THIS SITE IS PARALLEL TO THE WEST SIDE OF THE RAILROAD TRACKS.
Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SALICORNIA VIRGINICA, SCIRPUS SPP., AND TYPHA SPP. CURRENT/SURROUNDING LAND USE: AGRICULTURE.
General: 5-11 DETECTIONS AT EACH OF 5 DIFFERENT POINTS ON 12 JUN 2004.
Owner/Manager: DFG-GRIZZLY ISLAND WA, UNKNOWN

Occurrence No. 24 **Map Index:** 59861 **EO Index:** 60440
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-12
Site: 2004-06-12
Record Last Updated: 2005-03-08

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19031º / -122.06366º
UTM: Zone-10 N4227345 E581996
Area:
Elevation: 9 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02W
Section: 14 **Qtr:** XX
Meridian: M

Location: AREA 0.25 MI EAST OF JACKSNIPE AND WEST OF SUISUN SLOUGH, 3.8 MILES SOUTH OF FAIRFIELD
Location Detail: MAPPED ACCORDING TO UTM COORDINATES GIVEN.
Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SALICORNIA VIRGINICA, SCIRPUS SPP., AND TYPHA SPP.. CURRENT/SURROUNDING LAND USE: AGRICULTURE.
General: 1 TO 5 DETECTED AT EACH OF 5 DIFFERENT POINTS ON 12 JUN 2004.
Owner/Manager: UNKNOWN

Melospiza melodia maxillaris

Suisun song sparrow

Element Code: ABPBXA301K

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2

Other Lists
CDFG Status: SC

Habitat Associations
General: RESIDENT OF BRACKISH-WATER MARSHES SURROUNDING SUISUN BAY.
Micro: INHABITS CATTAILS, TULES AND OTHER SEDGES, AND SALICORNIA; ALSO KNOWN TO FREQUENT TANGLES BORDERING SLOUGHS.

Occurrence No. 25 **Map Index:** 60405 **EO Index:** 60441

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-13
Site: 2004-06-13
Record Last Updated: 2005-03-08

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23785º / -122.02394º
UTM: Zone-10 N4232656 E585418
Area:
Elevation: 9 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01W
Section: 31 **Qtr:** XX
Meridian: M

Location: SOUTH OF HIGHWAY 12 AND NORTH OF DUCK SLOUGH, JUST EAST OF SUISUN CITY.

Location Detail: CAS 1895-1915: LOCATION GIVEN AS "SUISUN". MVZ: LOCATIONS GIVEN AS "NEAR SUISUN", "SUISUN", "0.5 MI E SUISUN", "SUISUN SLOUGH, 0.8 MI N SUISUN HILL". 2004: MAPPED ACCORDING TO UTM COORDINATES GIVEN.

Ecological: HABITAT CONSISTS OF A BRACKISH MARSH. VEGETATION INCLUDES SALICORNIA VIRGINICA, SCIRPUS SPP., AND TYPHA SPP.. CURRENT/SURROUNDING LAND USE: AGRICULTURE.

General: NUMEROUS SPECIMENS COLLECTED (MVZ) IN 1909, 1916, 1921, 1923 AND 1947. NUMEROUS SPECIMENS COLLECTED (CAS) 1895-1915. 2 TO 4 DETECTIONS AT EACH OF EVERY 9 POINTS ON 13 JUN 2004.

Owner/Manager: DFG-HILL SLOUGH WA

Occurrence No. 35 **Map Index:** 09538 **EO Index:** 60891

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1947-04-27
Site: 1947-04-27
Record Last Updated: 2005-04-05

Quad Summary: Cordelia (3812222/482B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.21157º / -122.12692º
UTM: Zone-10 N4229650 E576433
Radius: 1 mile
Elevation: 20 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 04N
Range: 02W
Section: 7 **Qtr:** XX
Meridian: M

Location: CORDELIA.

Location Detail: 1910, 1940: LOCATION GIVEN AS "CORDELIA". 1947: LOCATION GIVEN AS "0.7 MI E CORDELIA".

General: 1 COLLECTED (MVZ# 17284) ON 1 DEC 1910. 5 COLLECTED (MVZ# 86757-86761) ON 8 JUL 1940. 4 COLLECTED (MVZ# 96791-96794) ON 27 APR 1947.

Owner/Manager: UNKNOWN

Occurrence No. 36 **Map Index:** 60856 **EO Index:** 60892

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1946-09-22
Site: 1946-09-22
Record Last Updated: 2005-04-05

Quad Summary: Fairfield South (3812221/482A), Cordelia (3812222/482B)
County Summary: Solano

Lat/Long: 38.18013º / -122.12220º
UTM: Zone-10 N4226165 E576879
Radius: 1 mile
Elevation:

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 04N
Range: 02W
Section: 19 **Qtr:** XX
Meridian: M

Location: AREA 3.5 MILES SSE OF CORDELIA.

Location Detail: 1909, 1946: COLLECTIONS OCCURRED ALONG UNSPECIFIED PORTION(S) OF CORDELIA SLOUGH. 1940: AREA MAPPED TO INCLUDE THE LOCATION GIVEN AS "3 MI SE CORDELIA" AND THE UTM COORDINATES PROVIDED BY MVZ.

General: 19 COLLECTED (MVZ# 10579-10597) 5, 6 NOV 1909. 6 COLLECTED (MVZ# 86751-86756) ON 13 MAY 1940. 12 COLLECTED (MVZ# 96510-96521) ON 15, 22 SEP 1946.

Owner/Manager: DFG-GRIZZLY ISLAND WA, UNKNOWN

Melospiza melodia maxillaris

Suisun song sparrow

Element Code: ABPBXA301K

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2
State: S2

Other Lists
CDFG Status: SC

Habitat Associations
General: RESIDENT OF BRACKISH-WATER MARSHES SURROUNDING SUISUN BAY.
Micro: INHABITS CATTAILS, TULES AND OTHER SEDGES, AND SALICORNIA; ALSO KNOWN TO FREQUENT TANGLES BORDERING SLOUGHS.

Occurrence No. 40 **Map Index:** 60889 **EO Index:** 60925

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1927-01-30
Site: 1927-01-30
Record Last Updated: 2005-04-07

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.15258º / -122.08943º
UTM: Zone-10 N4223136 E579780
Radius: 1/5 mile
Elevation: 9 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 04N
Range: 02W
Section: 33 **Qtr:** NE
Meridian: M

Location: CYNGUS, SUISUN BAY.
Location Detail: 1914-1915, 1927: LOCATION GIVEN AS "SUISUN BAY;CYNGUS". AREA MAPPED ACCORDING TO LAT/LONG PROVIDED BY MVZ; MAX ERROR DISTANCE: 740 FT.
General: 7 SPECIMENS COLLECTED (CAS #81873-4, 81877, 81879-80, 81884 & 81886) 1914-1915. 2 COLLECTED (MVZ# 148121, 148122) ON 30 JAN 1927.
Owner/Manager: UNKNOWN

Occurrence No. 41 **Map Index:** 66304 **EO Index:** 66406

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-02-06
Site: 2006-02-06
Record Last Updated: 2006-09-25

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23905º / -122.04768º
UTM: Zone-10 N4232768 E583339
Area:
Elevation: 5 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 02W
Section: 35 **Qtr:** NE
Meridian: M

Location: EAST OF SOUTH PENNSYLVANIA AVENUE, BETWEEN CORDELIA STREET AND HIGHWAY 12, SOUTH OF FAIRFIELD AND WEST OF SUISUN CITY.
Location Detail: SITE IS SURROUNDED BY SUBURBAN DEVELOPMENT TO THE NORTH AND EAST, PASTURE LAND AND LIGHT INDUSTRIAL TO THE WEST, AND PASTURE LAND AND ESTUARY TO THE SOUTH.
Ecological: HABITAT CONSISTS OF NON-NATIVE GRASSLAND, SEASONAL/PERENNIAL MARSHES, VERNAL POOLS, SEASONALLY-SATURATED GRASSLAND, RIPARIAN WETLANDS, AND DRAINAGE CHANNELS.
Threat: THREATENED BY PROPOSED DEVELOPMENT.
General: 4 ADULTS OBSERVED ON 6 FEB 2006 IN A SMALL REMNANT SLOUGH CHANNEL IN EMERGENT VEGETATION.
Owner/Manager: UNKNOWN

Navarretia leucocephala ssp. bakeri

Baker's navarretia

Element Code: PDPLM0C0E1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4T2
State: S2.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: CISMONTANE WOODLAND, MEADOWS AND SEEPS, VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND, LOWER MONTANE CONIFEROUS FOREST.
Micro: VERNAL POOLS AND SWALES; ADOBE OR ALKALINE SOILS. 5-950M.

Occurrence No. 12 **Map Index:** 30008 **EO Index:** 4688

Dates Last Seen
Element: 1963-06-24
Site: 1963-06-24
Record Last Updated: 2005-03-03

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27077º / -121.82372º
UTM: Zone-10 N4236512 E602894
Radius: 2/5 mile
Elevation: 15 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 24 **Qtr:** XX
Meridian: M

Location: OLCOTT LAKE, 1 MILE SOUTHWEST OF DOZIER STATION, 12 MILES SOUTH OF DIXON.

Location Detail: LARGE INTERMITTENT LAKE. FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONS. EASEMENT.

Ecological: ALKALINE SOIL, MARGIN OF LARGE INTERMITTENT LAKE; ASSOCIATED WITH LIPPIA.

General: KNOWN FROM THREE COLLECTIONS BY CRAMPTON; #4998 IN 1958, #5904 IN 1961, AND #6854 IN 1963. ID IS UNCERTAIN.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 27 **Map Index:** 53720 **EO Index:** 53720

Dates Last Seen
Element: 2003-04-XX
Site: 2003-04-XX
Record Last Updated: 2005-03-04

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.43566º / -121.66900º
UTM: Zone-10 N4254993 E616165
Area: 62.5 acres
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 07N
Range: 03E
Section: 20 **Qtr:** NV
Meridian: M

Location: GLIDE TULE ECOLOGICAL RESERVE, EAST OF THE SACRAMENTO NORTHERN CANAL, WEST EDGE OF THE YOLO BYPASS.

Location Detail: NUMEROUS PLANTS SCATTERED THROUGHOUT THE E 1/2 OF SECTION 19 AND THE W 1/2 OF SECTION 20.

Ecological: OCCURRING IN VERNAL POOLS AND IN MESIC GRASSLAND. ASSOCIATES INCLUDE POGOGYNE DOUGLASII, LASTHENIA FREMONTII, L. GLABRATA, AND LOLIUM MULTIFLORUM.

General: MORE THAN 1000 PLANTS OBSERVED IN 2003 BY WITHAM.

Owner/Manager: DPR-TULE ELK SR

Occurrence No. 28 **Map Index:** 54550 **EO Index:** 54550

Dates Last Seen
Element: 2003-05-20
Site: 2003-05-20
Record Last Updated: 2004-03-03

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27851º / -121.87128º
UTM: Zone-10 N4237320 E598723
Area: 8.5 acres
Elevation: 40 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 16 **Qtr:** NV
Meridian: M

Location: APPROXIMATELY 2.5 AIRMILE WEST OF OLCOTT, 0.5 AIRMILE SOUTH OF RAILROAD.

Location Detail: ONE COLONY LOCATED IN THE CENTER OF THE WESTERN HALF OF SECTION 16.

Ecological: LARGE PLAYA POOL ON PESCADERO CLAY LOAM WITH OTHER VERNAL POOLS SPECIES SUCH AS PLAGIOBOTHRYS STIPITATUS, PSILOCARPHUS BREVISSIMUS, DOWNINGIA SP., NAVARRETIA LEUCOCEPHALA SSP. LEUCOCEPHALA, ERYNGIUM SP., ALOPECURUS SACCATUS.

Threat: GRAZING AND TRAMPLING BY CATTLE. MUZZY RANCH PROPOSED AS MITIGATION BANK.

General: 100'S OF INDIVIDUALS OBSERVED IN 2003. ORCUTTIA INAEQUALIS, DOWNINGIA PUSILLA, ASTRAGALUS TENER VAR. TENER IN VICINITY.

Owner/Manager: PVT

Navarretia leucocephala ssp. bakeri

Baker's navarretia

Element Code: PDPLM0C0E1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4T2
State: S2.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: CISMONTANE WOODLAND, MEADOWS AND SEEPS, VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND, LOWER MONTANE CONIFEROUS FOREST.
Micro: VERNAL POOLS AND SWALES; ADOBE OR ALKALINE SOILS. 5-950M.

Occurrence No. 30 **Map Index:** 24709 **EO Index:** 54575

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 1884-05-31
Site: 1884-05-31
Record Last Updated: 2005-09-20

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.32825º / -121.96125º
UTM: Zone-10 N4242747 E590791
Radius: 3/5 mile
Elevation: 150 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 01W
Section: 34 **Qtr:** XX
Meridian: M

Location: LITTLE OAK, NEAR VACAVILLE.
Location Detail: MAPPED IN THE HISTORICAL VICINITY OF THE JEPSON FAMILY'S LITTLE OAK RANCH, EAST OF PEABODY RD AND SOUTH OF ALAMO DR.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1884 COLLECTION BY JEPSON.
Owner/Manager: UNKNOWN

Occurrence No. 33 **Map Index:** 13116 **EO Index:** 54580

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1962-05-26
Site: 1962-05-26
Record Last Updated: 2004-03-08

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.34296º / -121.91588º
UTM: Zone-10 N4244424 E594739
Area:
Elevation:
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 06N
Range: 01W
Section: 25 **Qtr:** XX
Meridian: M

Location: 0.5 MILE SOUTHWEST OF ELMIRA, ALONG SOUTHERN PACIFIC RAILROAD RIGHT OF WAY.
Location Detail: EXACT LOCATION UNKNOWN, MAPPED ALONG RAILROAD 0.5 MILE SOUTH OF ELMIRA.
Ecological: DRIED VERNAL POOL ALONG RAILROAD, VERNAL POOL SITES.
General: MAIN INFO FOR THIS SITE IS 1962 COLLECTION BY BACIGALUPI FROM "0.5 MI SW OF ELMIRA," 1903 BAKER COLLECTION (#2897 UC #75155) FROM ELMIRA ALSO ATTRIBUTED HERE. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

Occurrence No. 35 **Map Index:** 54582 **EO Index:** 54582

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1924-05-08
Site: 1924-05-08
Record Last Updated: 2004-03-05

Quad Summary: Allendale (3812148/498B), Winters (3812158/514C)
County Summary: Solano

Lat/Long: 38.51427º / -121.93862º
UTM: Zone-10 N4263410 E592532
Radius: 1 mile
Elevation:
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 08N
Range: 01W
Section: 26 **Qtr:** XX
Meridian: M

Location: WOLFSKILL STA., NORTHWEST SOLANO COUNTY.
Location Detail: EXACT LOCATION UNKNOWN, MAPPED IN GENERAL VICINITY OF WOLFSKILL SCHOOL.
Ecological: BOTTOMS OF WINTER POOLS.
General: ONLY SOURCE OF INFORMATION IS 1924 COLLECTION BY JEPSON. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

Navarretia leucocephala ssp. bakeri

Baker's navarretia

Element Code: PDPLM0C0E1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G4T2
State: S2.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: CISMONTANE WOODLAND, MEADOWS AND SEEPS, VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND, LOWER MONTANE CONIFEROUS FOREST.
Micro: VERNAL POOLS AND SWALES; ADOBE OR ALKALINE SOILS. 5-950M.

Occurrence No. 38 **Map Index:** 60344 **EO Index:** 60380

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-26
Site: 2002-04-26
Record Last Updated: 2005-03-04

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29973º / -121.79585º
UTM: Zone-10 N4239757 E605290
Radius: 2/5 mile
Elevation: 10 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 05N
Range: 02E
Section: 07 **Qtr:** N
Meridian: M

Location: GRIDLEY RANCH. 1 MILE NORTH OF INTERSECTION OF HASTING RD & SALEM RD.
General: ONLY SOURCE OF INFO FOR THIS LOCATION IS A 2002 COLLECTION BY SOLOMESHCH. NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

Occurrence No. 41 **Map Index:** 24739 **EO Index:** 62645

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 1916-04-22
Site: 1916-04-22
Record Last Updated: 2005-09-20

Quad Summary: Elmira (3812138/498C), Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.35642º / -121.98869º
UTM: Zone-10 N4245845 E588359
Radius: 1 mile
Elevation: 180 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 06N
Range: 01W
Section: 20 **Qtr:** XX
Meridian: M

Location: VACAVILLE.
Location Detail: EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS.
Ecological: DRIED POOL BEDS.
General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1916 COLLECTION BY JEPSON.
Owner/Manager: UNKNOWN

Neostapfia colusana

Colusa grass

Element Code: PMPOA4C010

Status
Federal: Threatened
State: Endangered

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VERNAL POOLS.
Micro: USUALLY IN LARGE, OR DEEP VERNAL POOL BOTTOMS; ADOBE SOILS. 5-110M.

Occurrence No. 19 **Map Index:** 10551 **EO Index:** 6794

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Fluctuating

Dates Last Seen
Element: 2007-XX-XX
Site: 2007-XX-XX
Record Last Updated: 2008-02-13

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27125º / -121.82234º
UTM: Zone-10 N4236567 E603014
Area: 28.4 acres
Elevation: 18 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01E
Section: 13 **Qtr:** SW
Meridian: M

Location: OLCOTT LAKE, ON EAST SIDE OF COOK LANE WITHIN JEPSON PRAIRIE.

Location Detail: JUST SOUTH OF & AT THE EAST-WEST FENCE IN MID-LAKE. FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONSERVATION EASEMENT. POPULATION FLUCTUATES WITH WEATHER & GRAZING.

Ecological: PLAYA-TYPE LAKE ON PESCADERO CLAY SOILS. WITH FRANKENIA SALINA, DISTICHLIS SPICATA NANA, LYTHRUM HYSSOPIFOLIA, PHYLLA NODIFLORA, CRESSA TRUXILLENSIS VALLICOLA, ERYNGIUM ARISTULATUM, MALVELLA LEPROSA, AND ELEOCHARIS MACROSTACHYA.

Threat: SHEEP GRAZING (FORMER THREAT) & INVASIVE PHYLLA NODIFLORA THREATEN. SITE NOT GRAZED IN 1995-1999.

General: 1980: 1001-10000 PLANTS; '82: 10000+; '85: 3.7 MIL; '91: 15000; '92: >100,000; '93: 10000; '94: 1000; '95: >1 MIL; '96: 30000; '97: 20000; '98: ~1 MIL; '99: 50000; '00: 100,000; '01: 10000; '02-04: 100,000; '05: 1000+; '06: 100+; '07: NONE.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 48 **Map Index:** 24988 **EO Index:** 6311

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1986-07-03
Site: 1992-XX-XX
Record Last Updated: 1995-06-14

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25545º / -121.87042º
UTM: Zone-10 N4234761 E598830
Radius: 80 meters
Elevation: 35 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 05N
Range: 01E
Section: 28 **Qtr:** NE
Meridian: M

Location: SOUTHWEST OF OLCOTT LAKE, IN "NEXT LARGEST VERNAL POOL".

Location Detail: 3.4 KM (2.1 MI) SOUTH OF THE SACRAMENTO NORTHERN RR TRACKS AND 5.7 KM (3.5 MI) WEST OF HWY 113.

Ecological: IN LARGE SALINE-ALKALINE PLAYA IN ANNUAL GRASSLAND. ASSOCIATED WITH TUCTORIA MUCRONATA, FRANKENIA GRANDIFOLIA, ERYNGIUM ARISTULATUM, SIDA HEDERACEA, CRYPSIS SCHOENOIDES, AND DISTICHLIS SPICATA. DELTA GREEN GROUND BEETLES ALSO IN THIS AREA.

Threat: CATTLE GRAZING IN WINTER PASTURE. PAST DISTURBANCE/GRAZING MAY HAVE LED TO ESTABLISHMENT OF WEEDY SIDA & CRYPSIS.

General: 1 PLANT OBSERVED IN 1986, NONE FOUND BY C. WITHAM IN 1989, 1991, OR 1992.

Owner/Manager: SOLANO LAND TRUST

Neostapfia colusana

Colusa grass

Element Code: PMPOA4C010

Status
Federal: Threatened
State: Endangered

NDDB Element Ranks
Global: G3
State: S3.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VERNAL POOLS.
Micro: USUALLY IN LARGE, OR DEEP VERNAL POOL BOTTOMS; ADOBE SOILS. 5-110M.

Occurrence No. 49 **Map Index:** 25596 **EO Index:** 5744

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-05
Site: 2005-08-05
Record Last Updated: 2008-01-10

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.49163º / -121.68587º
UTM: Zone-10 N4261183 E614604
Area: 2.0 acres
Elevation: 25 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 08N
Range: 03E
Section: 31 **Qtr:** SE
Meridian: M

Location: DAVIS AIR FORCE COMMUNICATION FACILITY. 4 MI S OF INTERSTATE 80, E OF RD 104, BETWEEN RD 34 AND RD 35.

Location Detail: DAVIS COMMUNICATIONS ANNEX. POPULATION IS IN DRAINAGE IN THE SOUTHERN PORTION OF THE FACILITY. IN POOL #9.

Ecological: PLAYA TYPE VERNAL POOL ON LOW AREA ON PESCADERO CLAY LOAM. ASSOCIATED WITH DOWNINGIA, LASTHENIA FREMONTII, PLAGIOBOTHRYS, PSILOCARPHUS, MYOSURUS, LEPIDIUM LATIFOLIUM, CRYPSIS SCHOENOIDES, CRESSA TRUXILLENSIS, & TUCTORIA MUCRONATA.

Threat: HERBICIDE RUN-OFF AND INVASION BY SALSOLA TRAGUS, LEPIDIUM LATIFOLIUM AND POTENTIALLY CRYPSIS SCHOENOIDES THREATEN.

General: SEVERAL THOUSAND PLANTS OBSERVED IN 1993; 36,000 ESTIMATED IN 1996. IN 2001, ~1,000 PLANTS IN UPPER POOL REPORTED IN AUGUST AND >100 REPORTED IN SEPTEMBER 2001; 2,208 PLANTS IN 2004 BETWEEN THIS AND EO #58.

Owner/Manager: DOD-MCCLELLAN AFB

Occurrence No. 58 **Map Index:** 25471 **EO Index:** 5800

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-07-06
Site: 2004-07-06
Record Last Updated: 2008-01-10

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.49621º / -121.67772º
UTM: Zone-10 N4261701 E615308
Radius: 0 mile
Elevation: 25 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 08N
Range: 03E
Section: 31 **Qtr:** NE
Meridian: M

Location: IN DRAINAGE ON THE EAST SIDE OF THE DAVIS AIR FORCE COMMUNICATIONS FACILITY, 2.5 MILES NNW OF SAXON.

Location Detail: FACILITY IS 4 MILES SOUTH OF DAVIS, EAST OF ROAD 104 AND BETWEEN ROAD 35 AND ROAD 36. WITHIN THE SE 1/4 OF THE NE 1/4 OF SECTION 31. IN POOL #3.

Ecological: PLAYA TYPE VERNAL POOL ON PESCADERO CLAY LOAM. GROWING PRIMARILY ON DISTURBED GROUND IN AREAS OF LOW COMPETITION. THIS POPULATION OCCURS AS A VIRTUAL MONOCULTURE. W/DOWNINGIA SPP., LASTHENIA FREMONTII, PLAGIOBOTHRYS, PSILOCARPHUS, ETC.

Threat: HERBICIDE RUNOFF FROM ADJ ANTENNA PAD MAY BE IMPACTING PLANTS. LEPIDIUM LATIFOLIUM AND SALSOLA TRAGUS ARE INVADING SITE.

General: SEVERAL THOUSAND PLANTS IN 1993; 1000 IN 1996; 2,208 PLANTS BETWEEN THIS EO AND EO #49 IN 2004.

Owner/Manager: DOD-MCCLELLAN AFB

Northern Claypan Vernal Pool

Element Code: CTT44120CA

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists

Habitat Associations
General:
Micro:

Occurrence No. 26 **Map Index:** 10559 **EO Index:** 26391

Dates Last Seen
Element: 1982-03-13
Site: 1982-03-13
Record Last Updated: 1998-07-15

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Increasing

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26903º / -121.82215º
UTM: Zone-10 N4236321 E603034
Radius: 1 mile
Elevation: 20 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 24 **Qtr:** N
Meridian: M

Location: 10 MI S OF DIXON ON HWY 113.

Location Detail: FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97.

Ecological: LG VERNAL LAKE & MANY SMALLER POOLS. GRASSLANDS W/GOOD STANDS OF NASSELLA PULCHRA ON HIGHER GROUND BETW POOLS. RICH VERNAL POOL FLORA. SOME POOLS ALKALINE W/SALT TOLERANT SPP SUCH AS CRESSA & FRANKENIA. AREA KNOWN FOR ORCUTTIA & NEOSTAPFIA.

General: UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 27 **Map Index:** 10352 **EO Index:** 26392

Dates Last Seen
Element: 1975-03-XX
Site: 1975-03-XX
Record Last Updated: 1998-07-15

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Denverton (3812128/481B), Birds Landing (3812127/481A)
County Summary: Solano

Lat/Long: 38.21463º / -121.87773º
UTM: Zone-10 N4230224 E598245
Radius: 1 mile
Elevation: 70 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 01E
Section: 04 **Qtr:** SW
Meridian: M

Location: AREA SURROUNDING HWY 12 FROM RIO VISTA TO DENVERTON. AREA INCL FOUR SECTIONS.

Ecological: VERNAL POOLS IN NATIVE GRASSLAND. MANY DOWNINGIA SPP & PSILOCARPHUS SPP REPORTED. UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

Threat: AREA HAS BEEN GRAZED, SOMETIMES HEAVILY FOR A NUMBER OF YEARS.

Owner/Manager: UNKNOWN

Occurrence No. 28 **Map Index:** 10372 **EO Index:** 26288

Dates Last Seen
Element: 1982-05-18
Site: 1982-05-18
Record Last Updated: 1998-07-15

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Elmira (3812138/498C), Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27657º / -121.87524º
UTM: Zone-10 N4237100 E598380
Radius: 1/5 mile
Elevation: 40 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 01E
Section: 16 **Qtr:** SW
Meridian: M

Location: ABOUT 1 MI ESE OF N END TRAVIS AFB RUNWAY, ABOUT 3 MI WSW OF DOZIER.

Location Detail: OTHER POOLS IN AREA; MANY MODIFIED TO BRING WATER IN EARLY FALL FOR WATERFOWL.

Ecological: LARGE PLAYA TYPE POOL ON PESCADERO CLAY. DOWNINGIA HUMILIS & OTHER DOWNINGIA SPP PRESENT W/OTHER VERNAL POOL SPP (LIST AT CNDDB). SURROUNDED BY PRISTINE GRASSLAND.

General: UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO

Owner/Manager: UNKNOWN

Northern Claypan Vernal Pool

Element Code: CTT44120CA

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists

Habitat Associations
General:
Micro:

Occurrence No. 31 **Map Index:** 09762 **EO Index:** 27149

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1985-05-03
Site: 1985-05-03
Record Last Updated: 1998-07-15

Quad Summary: Fairfield South (3812221/482A), Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.23699º / -122.05303º
UTM: Zone-10 N4232534 E582873
Radius: 1 mile
Elevation: 5 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 05N
Range: 02W
Section: 35 **Qtr:** XX
Meridian: M

Location: W OF SUISUN CITY, N OF CORDELIA RD, W OF PENNSYLVANIA AVE.

Ecological: POOL AREAS & CISMONTANE SWALE W/IN GRASSLAND. MANY POOL SPP PRESENT INCL LASTHENIA GLABERRIMA, DOWNINGIA PULCHELLA, PSILOCARPHUS SP, ERYNGIUM VASEYI, MYOSORUS MINIMUS & RARE LASTHENIA CONJUGENS. SYCAMORE SOIL SERIES. SITE COND VARIES, 1985.

Threat: CATTLE GRAZING DISTURBS, INDUSTRIAL DEVELOPMENT IMMINENT.

General: UNABLE TO CONVERT TO FLORISTIC CLASSIFICATION, LACKS SPP. INFO.

Owner/Manager: PVT

Orcuttia inaequalis

San Joaquin Valley orcutt grass

Element Code: PMPOA4G060

Status
Federal: Threatened
State: Endangered

NDDB Element Ranks
Global: G2
State: S2.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VERNAL POOLS.
Micro: 30-755M.

Occurrence No. 63 **Map Index:** 55310 **EO Index:** 55310

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-06-12
Site: 2003-06-12
Record Last Updated: 2004-04-28

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26707º / -121.88770º
UTM: Zone-10 N4236033 E597302
Radius: 80 meters
Elevation: 40 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 05N
Range: 01E
Section: 20 **Qtr:** NE
Meridian: M

Location: EAST OF TRAVIS AIR FORCE BASE, JUST EAST OF POWERLINES ABOUT 1.4 MILES SSW OF WHERE POWERLINES CROSS AQUEDUCT.

Location Detail: MAPPED WITHIN THE SW 1/4 OF THE NE 1/4 OF SECTION 17.

Ecological: IN PORTION OF ALKALI PLAYA POOL ON SOLANO LOAM, AND IN ADJACENT VERNAL POOL/SWALE IN NON-NATIVE GRASSLAND COMMUNITY. ONLY POOL OF SEVERAL IN THE AREA TO SUPPORT THIS GRASS. ASSOCIATES: FRANKENIA SALINA, PLAGIOBOTHRYS STIPITATUS, ERYNGIUM.

Threat: GRAZING/TRAMPLING BY CATTLE.

General: ABOUT 1600 PLANTS SEEN IN 2003 BY BUXTON. THIS IS THE ONLY KNOWN POPULATION OF ORCUTTIA INAEQUALIS IN SOLANO COUNTY. POSITIVE DETERMINATION WAS MADE BY DR. JOHN REEDER AND CORROBORATED BY DNA ANALYSIS BY LAURA BOYKIN.

Owner/Manager: PVT

Plagiobothrys hystriculus

bearded popcorn-flower

Element Code: PDBOR0V0H0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.
Micro: WET SITES. 10-50M.

Occurrence No. 8 **Map Index:** 41001 **EO Index:** 41667

Dates Last Seen
Element: 2005-05-24
Site: 2005-05-24
Record Last Updated: 2006-07-28

*** SENSITIVE ***

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Birds Landing (3812127/481A)
County Summary: Solano

*** SENSITIVE ***

Lat/Long:
UTM:
Radius:
Elevation:
Mapping Precision:
Symbol Type:
Township:
Range:
Section:
Meridian:
Qtr:

Location: *SENSITIVE* Location information suppressed.

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

Ecological: IN VERNAL SWALE. ASSOCIATED WITH LOLIUM MULTIFLORUM, BRODIAEA ELEGANS, ERYNGIUM ARISTULATUM, CICENDIA QUADRANGULARIS, JUNCUS BUFONIUS, AND THE RARE CENTROMADIA PARRYI SSP. PARRYI.

Threat: DISKING FOR FIREBREAKS. NEAR TRANSMISSION LINES AND PROPOSED GAS PIPELINE.

Owner/Manager:

Occurrence No. 12 **Map Index:** 65471 **EO Index:** 65550

Dates Last Seen
Element: 2006-05-09
Site: 2006-05-09
Record Last Updated: 2006-07-28

*** SENSITIVE ***

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

*** SENSITIVE ***

Lat/Long:
UTM:
Radius:
Elevation:
Mapping Precision:
Symbol Type:
Township:
Range:
Section:
Meridian:
Qtr:

Location: *SENSITIVE* Location information suppressed.

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

Ecological: IN VERNAL SWALES & POOLS IN ANNUAL GRASSLAND. ASSOCIATED WITH LOLIUM MULTIFLORUM, ERYNGIUM ARISTULATUM, ACHYRACHAENA MOLLIS, JUNCUS BUFONIUS, LYTHRUM HYSSOPIFOLIUM, CICENDIA QUADRANGULARIS, RANUNCULUS MURICATUS, & HORDEUM MARINUM.

Threat: WITHIN GAS PIPELINE ROW. PROPOSED ACCESS ROAD MAINTENANCE. CATTLE GRAZING OCCURS.

Owner/Manager:

Occurrence No. 13 **Map Index:** 65472 **EO Index:** 65551

Dates Last Seen
Element: 1964-04-27
Site: 1964-04-27
Record Last Updated: 2006-07-28

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.30697º / -121.78654º
UTM: Zone-10 N4240571 E606094
Radius: 1/10 mile
Elevation: 13 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02E
Section: 05
Meridian: M
Qtr: /N/

Location: 2 MILES NE OF DOZIER STATION, AT THE JUNCTION OF BROWN AND ROBBEN ROADS.

Ecological: VERNAL MEADOW, VALLEY GRASSLAND.

General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1964 COLLECTION BY CRAMPTON.

Owner/Manager: UNKNOWN

Plagiobothrys hystriculus

bearded popcorn-flower

Element Code: PDBOR0V0H0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.
Micro: WET SITES. 10-50M.

Occurrence No. 14 **Map Index:** 65517 **EO Index:** 65596

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-04-27
Site: 2002-04-27
Record Last Updated: 2006-08-01

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.29976º / -121.80014º
UTM: Zone-10 N4239756 E604915
Radius: 2/5 mile
Elevation: 13 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 05N
Range: 02E
Section: 07 **Qtr:** XX
Meridian: M

Location: GRIDLEY RANCH. 1 MILE NORTH FROM INTERSECTION OF HASTINGS ROAD & SALEM ROAD.

Location Detail: EXACT LOCATION UNKNOWN. MAPPED ACCORDING TO MAP DRAWN BY R. PRESTON, WHICH WAS BASED ON THE SITE DESCRIPTION BY A. SOLOMESHCH.

Ecological: GRASSLANDS. ASSOCIATED WITH BROMUS HORDEACEUS, LOLIUM MULTIFLORUM, VULPIA BROMOIDES, NASSELLA PULCHRA, DISTICHLIS SPICATA, LASTHENIA CALIFORNICA, AND HEMIZONIA CONGESTA. FLAT PRAIRIE.

General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2002 COLLECTION BY SOLOMESHCH. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Occurrence No. 15 **Map Index:** 65518 **EO Index:** 65597

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1975-04-26
Site: 1975-04-26
Record Last Updated: 2006-08-01

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27838º / -121.83292º
UTM: Zone-10 N4237347 E602078
Area:
Elevation: 25 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 14 **Qtr:** XX
Meridian: M

Location: ON N SIDE OF SMALL ROAD RUNNING W FROM INTERSECTION OF COOK LANE AND SAC N RAILWAY, CA 1/2 MI W OF THIS INTERSECTION.

Ecological: IN DRYING BEDS OF VERNAL POOLS IN AN OPEN FIELD.

General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1975 COLLECTION BY TUCKER.

Owner/Manager: PVT

Occurrence No. 16 **Map Index:** 65520 **EO Index:** 65599

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-05-10
Site: 2006-05-10
Record Last Updated: 2006-08-01

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26743º / -121.84423º
UTM: Zone-10 N4236119 E601105
Area: 12.0 acres
Elevation: 30 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 22 **Qtr:** NE
Meridian: M

Location: 1.2 AIR MILES SW OF OLCOTT.

Location Detail: IN THE EAST 1/2 OF THE NE 1/4 OF SECTION 22.

Ecological: ON MARGINS OF VERNAL POOLS. ASSOCIATED WITH LOLIUM MULTIFLORUM, LYTHRUM HYSSOPIFOLIUM, JUNCUS BUFONIUS, HORDEUM MARINUM SSP. GUSSONEANUM, PLAGIOBOTHRYS GREENEI, AND PLAGIOBOTHRYS BRACTEATUS. SOILS MAPPED AS SAN YSIDRO SANDY LOAM.

General: HUNDREDS OF PLANTS OBSERVED IN 2006 BETWEEN THIS OCCURRENCE AND OCCURRENCES 17, 19, 20, AND 21 COMBINED. 1971 COLLECTION BY CRAMPTON FROM 2 MI SW OF DOZIER STATION ATTRIBUTED HERE.

Owner/Manager: SOLANO LAND TRUST

Plagiobothrys hystriculus

bearded popcorn-flower

Element Code: PDBOR0V0H0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.
Micro: WET SITES. 10-50M.

Occurrence No. 17 **Map Index:** 65528 **EO Index:** 65607

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-05-10
Site: 2006-05-10
Record Last Updated: 2006-08-01

Quad Summary: Dozier (3812137/498D), Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26582º / -121.87537º
UTM: Zone-10 N4235907 E598383
Radius: 80 meters
Elevation: 35 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 21 **Qtr:** NW
Meridian: M

Location: 2.8 AIR MILES WSW OF OLCOTT.

Location Detail: IN THE SW 1/4 OF THE NW 1/4 OF SECTION 21.

Ecological: ON MARGINS OF VERNAL POOLS. ASSOCIATED WITH LOLIUM MULTIFLORUM, LYTHRUM HYSSOPIFOLIUM, JUNCUS BUFONIUS, HORDEUM MARINUM SSP. GUSSONEANUM, PLAGIOBOTHRYS GREENEI, AND PLAGIOBOTHRYS BRACTEATUS. SOILS MAPPED AS SAN YSIDRO SANDY LOAM.

General: HUNDREDS OF PLANTS OBSERVED IN 2006 BETWEEN THIS OCCURRENCE AND OCCURRENCES 16, 19, 20, AND 21 COMBINED.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 18 **Map Index:** 65534 **EO Index:** 65613

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-05-13
Site: 2006-05-13
Record Last Updated: 2006-08-01

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26500º / -121.82789º
UTM: Zone-10 N4235868 E602538
Area: 6.8 acres
Elevation: 20 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 23 **Qtr:** NE
Meridian: M

Location: 0.8 AIR MILE SSW OF OLCOTT. IN THE JEPSON PRAIRIE PRESERVE.

Location Detail: IN THE SE 1/4 OF THE NE 1/4 OF SECTION 23.

Ecological: IN SMALL, SHALLOW VERNAL POOLS. ASSOCIATED WITH LYTHRUM HYSSOPIFOLIUM, PSILOCARPHUS TENELLUS, PLAGIOBOTHRYS STIPITATUS, LOLIUM MULTIFLORUM, ERYNGIUM ARISTULATUM, AND CICENDIA QUADRANGULARIS. SOILS MAPPED AS SAN YSIDRO SANDY LOAM.

General: APPROXIMATELY 50 PLANTS OBSERVED IN 2006.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 19 **Map Index:** 65537 **EO Index:** 65616

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-05-10
Site: 2006-05-10
Record Last Updated: 2006-08-01

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26202º / -121.87408º
UTM: Zone-10 N4235486 E598501
Radius: 80 meters
Elevation: 35 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 21 **Qtr:** SW
Meridian: M

Location: 2.9 AIR MILES WSW OF OLCOTT.

Location Detail: NEAR THE CENTER OF THE SW 1/4 OF SECTION 21.

Ecological: ON MARGINS OF VERNAL POOLS. ASSOCIATED WITH LOLIUM MULTIFLORUM, LYTHRUM HYSSOPIFOLIUM, JUNCUS BUFONIUS, HORDEUM MARINUM SSP. GUSSONEANUM, PLAGIOBOTHRYS GREENEI, AND PLAGIOBOTHRYS BRACTEATUS. SOILS MAPPED AS SAN YSIDRO SANDY LOAM.

General: HUNDREDS OF PLANTS OBSERVED IN 2006 BETWEEN THIS OCCURRENCE AND OCCURRENCES 16, 17, 20, AND 21 COMBINED.

Owner/Manager: SOLANO LAND TRUST

Plagiobothrys hystriculus

bearded popcorn-flower

Element Code: PDBOR0V0H0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.
Micro: WET SITES. 10-50M.

Occurrence No. 20 **Map Index:** 65558 **EO Index:** 65637

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-05-10
Site: 2006-05-10
Record Last Updated: 2006-08-01

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26148º / -121.86610º
UTM: Zone-10 N4235435 E599200
Area: 15.8 acres
Elevation: 35 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 01E
Section: 21 **Qtr:** SE
Meridian: M

Location: 2.5 AIR MILES WSW OF OLCOTT.

Location Detail: 2 COLONIES RUNNING ALONG THE LINE SEPARATING THE NORTH AND SOUTH HALVES OF THE SE 1/4 OF SECTION 21.

Ecological: ON MARGINS OF VERNAL POOLS. ASSOCIATED WITH LOLIUM MULTIFLORUM, LYTHRUM HYSSOPIFOLIUM, JUNCUS BUFONIUS, HORDEUM MARINUM SSP. GUSSONEANUM, PLAGIOBOTHRYS GREENEI, AND PLAGIOBOTHRYS BRACTEATUS. SOILS MAPPED AS SAN YSIDRO SANDY LOAM.

General: HUNDREDS OF PLANTS OBSERVED IN 2006 BETWEEN THIS OCCURRENCE AND OCCURRENCES 16, 17, 19, AND 21 COMBINED.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 21 **Map Index:** 65560 **EO Index:** 65639

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-05-10
Site: 2006-05-10
Record Last Updated: 2006-08-01

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26238º / -121.87973º
UTM: Zone-10 N4235520 E598006
Radius: 80 meters
Elevation: 35 ft

Mapping PrecisionSPECIFIC
Symbol Type:POINT

Township: 05N
Range: 01E
Section: 20 **Qtr:** SE
Meridian: M

Location: 3 AIR MILES ESE OF TRAVIS FIELD.

Location Detail: IN THE NE 1/4 OF THE SE 1/4 OF SECTION 20, NEAR THE BOUNDARY WITH SECTION 21.

Ecological: ON MARGINS OF VERNAL POOLS. ASSOCIATED WITH LOLIUM MULTIFLORUM, LYTHRUM HYSSOPIFOLIUM, JUNCUS BUFONIUS, HORDEUM MARINUM SSP. GUSSONEANUM, PLAGIOBOTHRYS GREENEI, AND PLAGIOBOTHRYS BRACTEATUS. SOILS MAPPED AS SAN YSIDRO SANDY LOAM.

General: HUNDREDS OF PLANTS OBSERVED IN 2006 BETWEEN THIS OCCURRENCE AND OCCURRENCES 16, 17, 19, AND 20 COMBINED. 1883 COLLECTION BY BRANDEGEE FROM ELMIRA ATTRIBUTED HERE.

Owner/Manager: SOLANO LAND TRUST

Pogonichthys macrolepidotus

Sacramento splittail

Element Code: AFCJB34020

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2

Other Lists
CDFG Status: SC

Habitat Associations
General: ENDEMIC TO THE LAKES AND RIVERS OF THE CENTRAL VALLEY, BUT NOW CONFINED TO THE DELTA, SUISUN BAY & ASSOCIATED MARSHES.
Micro: SLOW MOVING RIVER SECTIONS, DEAD END SLOUGHS. REQUIRES FLOODED VEGETATION FOR SPAWNING & FORAGING FOR YOUNG.

Occurrence No. 4 **Map Index:** 40822 **EO Index:** 40822
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1998-08-18
Site: 1998-08-18
Record Last Updated: 1999-02-10

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.20412º / -122.02866º
UTM: Zone-10 N4228909 E585044
Area:
Elevation: 0 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 12 **Qtr:** XX
Meridian: M

Location: SPRING BRANCH, PORTRERO HILLS WEST OF GRIZZLY ISLAND ROAD, ~2 MILES SOUTH OF SUISUN CITY, SUISUN MARSH.
Location Detail: MAP INCLUDED IN SOURCE DOCUMENT HAS FIRST MALLARD BRANCH AND SPRING BRANCH CIRCLED SO IT WAS INCLUDED IN THE POLYGON.
Ecological: TIDAL ESTUARINE MARSH
General: 21 CAPUTRED, STANDARD LENGTH RANGE (PRESUMED IN MILLIMETERS, INFO NOT GIVEN) IS 64-175MM, TOTAL WEIGHT RANGE IS 4.24-91.2GM (PRESUMED IN GRAMS, INFO NOT GIVEN), 1998.
Owner/Manager: UNKNOWN

Occurrence No. 5 **Map Index:** 40823 **EO Index:** 40823
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1998-05-15
Site: 1998-05-15
Record Last Updated: 1999-02-10

Quad Summary: Vine Hill (3812211/482D), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.11125º / -122.09891º
UTM: Zone-10 N4218542 E578994
Area:
Elevation: 0 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 03N
Range: 02W
Section: 17 **Qtr:** XX
Meridian: M

Location: GOODYEAR SLOUGH, JUST EAST OF RAILROAD TRACKS, WESTERN BOUNDARY OF MORROW ISLAND, SUISUN MARSH.
Ecological: TIDAL ESTUARINE MARSH.
General: 15 CAPTURED BETWEEN 20 MARCH AND 15 MAY 1998, STANDARD LENGTH RANGE (PRESUMED IN MILLIMETERS, INFO NOT GIVEN) IS 118-300 MM, TOTAL WEIGHT RANGE IS 32.2-500 GRAMS (PRESUMED IN GRAMS INFO NOT GIVEN).
Owner/Manager: UNKNOWN

Occurrence No. 6 **Map Index:** 40824 **EO Index:** 40824
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1998-06-04
Site: 1998-06-04
Record Last Updated: 1999-02-10

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.20936º / -121.90697º
UTM: Zone-10 N4229609 E595693
Area:
Elevation: 0 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01E
Section: 07 **Qtr:** XX
Meridian: M

Location: DENVERTON SLOUGH, DENVERTON, SW OF HIGHWAY 12, SUISUN MARSH.
Ecological: TIDAL ESTUARINE MARSH
General: 2 CAPTURED, STANDARD LENGTH RANGE (PRESUMED IN MILLIMETERS, INFO NOT GIVEN) IS 148-155MM, TOTAL WEIGHT RANGE IS 57.5-73.4 GRAMS (PRESUMED IN GRAMS, INFO NOT GIVEN), 4 JUNE 1998.
Owner/Manager: UNKNOWN

Rallus longirostris obsoletus

California clapper rail

Element Code: ABNME05016

Status
Federal: Endangered
State: Endangered

NDDB Element Ranks
Global: G5T1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: SALT-WATER & BRACKISH MARSHES TRAVERSED BY TIDAL SLOUGHS IN THE VICINITY OF SAN FRANCISCO BAY.
Micro: ASSOCIATED WITH ABUNDANT GROWTHS OF PICKLEWEED, BUT FEEDS AWAY FROM COVER ON INVERTEBRATES FROM MUD-BOTTOMED SLOUGHS.

Occurrence No. 67 **Map Index:** 09833 **EO Index:** 6760

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-10-02
Site: 2003-10-02
Record Last Updated: 2005-02-02

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19401º / -122.03096º
UTM: Zone-10 N4227785 E584854
Area:
Elevation: 10 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 04N
Range: 02W
Section: 13 **Qtr:** XX
Meridian: M

Location: SUISUN SLOUGH EAST TO JUST EAST OF SECOND MALLARD SLOUGH, AND INCLUDING CUTOFF SLOUGH, S OF SUISUN CITY.

Location Detail: 1987: RUSH RANCH (BETWEEN SUISUN SLOUGH AND FIRST MALLARD SLOUGH); IN FIRST AND SECOND MALLARD SLOUGH.

Ecological: HABITAT IS WETLAND MARSH WITH SPARTINA, BACCHARIS, AND SCIRPUS SPP. OTHER PLANTS INCLUDE TYPHA SP. AND TRIGLOCHIN MARITIMA. EXCELLENT HABITAT WITHOUT DIKES AND FREE MOVEMENT OF TIDES. OTHER SPECIES: SALT MARSH HARVEST MOUSE, CA BLACK RAIL

Threat: POTENTIAL THREAT: LAND IS FOR SALE.

General: DEC 1978: 2 HEARD. MAR 1979: 6 DETECTED. FOLLOWING DETECTIONS IN DEC: 1986,4; 1987, 9; 1988, 2; 1989, 2; 1990, 2; 1991, 3; 1992, 2. 1991/93/94: 7 DETECTIONS. OCT 2003: 6. NO CLAPPER RAILS IN '75, '76, '79, OR '85.

Owner/Manager: UNKNOWN, PVT, DFG

Occurrence No. 80 **Map Index:** 33653 **EO Index:** 30261

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-05-15
Site: 1991-05-15
Record Last Updated: 1997-02-18

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.20972º / -122.03974º
UTM: Zone-10 N4229520 E584068
Radius: 1/5 mile
Elevation: 3 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 04N
Range: 02W
Section: 12 **Qtr:** NW
Meridian: M

Location: BOYNTON SLOUGH, AT THE SUISUN SLOUGH JUNCTION, 1.5 MILES SOUTH OF SUISUN CITY.

Ecological: HABITAT CONSISTS OF MUDFLATS/COASTAL BRACKISH MARSH.

Threat: POSSIBLE THREAT FROM DWR'S BOYNTON-CORDELIA SLOUGH SOUTHERN ALIGNMENT (SALINITY CONTROL PROJECT).

General: 1 INDIVIDUAL OBSERVED ON 15 MAY 1991.

Owner/Manager: UNKNOWN

Rallus longirostris obsoletus

California clapper rail — **Element Code:** ABNME05016

Status
Federal: Endangered
State: Endangered

NDDB Element Ranks
Global: G5T1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: SALT-WATER & BRACKISH MARSHES TRAVERSED BY TIDAL SLOUGHS IN THE VICINITY OF SAN FRANCISCO BAY.
Micro: ASSOCIATED WITH ABUNDANT GROWTHS OF PICKLEWEED, BUT FEEDS AWAY FROM COVER ON INVERTEBRATES FROM MUD-BOTTOMED SLOUGHS.

Occurrence No. 86 **Map Index:** 59145 **EO Index:** 59181
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-08-26
Site: 2003-08-26
Record Last Updated: 2005-01-06

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.15785º / -122.05837º
UTM: Zone-10 N4223748 E582495
Radius: 80 meters
Elevation: 0 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 26 **Qtr:** SW
Meridian: M

Location: NEAR JOICE ISLAND/HUNTER CUT, SUISUN SLOUGH.
Ecological: HABITAT CONSISTS OF NARROW FRINGING TIDAL BRACKISH MARSH CHARACTERIZED BY SCIRPUS ACTUS. ADJACENT LAND USE: MOSTLY WATERFOWL HUNTING.
General: 2 DETECTED ON 26 AUG 2003 IN A BOAT SURVEY.
Owner/Manager: PVT

Occurrence No. 94 **Map Index:** 59459 **EO Index:** 59495
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-12-XX
Site: 1993-12-XX
Record Last Updated: 2005-01-20

Quad Summary: Denverton (3812128/481B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.22600º / -121.99629º
UTM: Zone-10 N4231367 E587852
Area:
Elevation: 5 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 05 **Qtr:** XX
Meridian: M

Location: MAINLY ALONG HILL SLOUGH, EAST OF MCCOY CREEK TO UNION CREEK, 3 MILES ESE OF FAIRFIELD.
Location Detail: 1992 AND 1993: HILL SLOUGH AT UNION CREEK SURVEY AREA.
Ecological: HABITAT CONSISTS OF A TIDAL MARSH.
General: RAILS WERE DETECTED DURING SURVEY BY CANOE ON 27 FEB, 2 APR AND 5 MAY 1992. RAILS WERE ALSO DETECTED DURING THE 1993 BREEDING SEASON AND DEC 1993 SURVEY. DETECTIONS OCCURRED AT 9 LOCATIONS WITHIN THIS AREA.
Owner/Manager: DFG-HILL SLOUGH WA

Occurrence No. 95 **Map Index:** 59475 **EO Index:** 59511
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-XX-XX
Site: 1994-XX-XX
Record Last Updated: 2005-01-20

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.22445º / -122.01216º
UTM: Zone-10 N4231180 E586465
Radius: 1/10 mile
Elevation: 5 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 01W
Section: 06 **Qtr:** NE
Meridian: M

Location: HILL SLOUGH, JUST EAST OF MCCOY CREEK, 2.5 MILES ESE OF FAIRFIELD.
Ecological: HABITAT CONSISTS OF A TIDAL MARSH.
General: CLAPPER RAILS DETECTED DURING THE 1993 BREEDING SEASON AND DURING 1994.
Owner/Manager: DFG-HILL SLOUGH WA

Rallus longirostris obsoletus

California clapper rail

Element Code: ABNME05016

Status
Federal: Endangered
State: Endangered

NDDB Element Ranks
Global: G5T1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: SALT-WATER & BRACKISH MARSHES TRAVERSED BY TIDAL SLOUGHS IN THE VICINITY OF SAN FRANCISCO BAY.
Micro: ASSOCIATED WITH ABUNDANT GROWTHS OF PICKLEWEED, BUT FEEDS AWAY FROM COVER ON INVERTEBRATES FROM MUD-BOTTOMED SLOUGHS.

Occurrence No. 96 **Map Index:** 59489 **EO Index:** 59525
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1992-12-21
Site: 1992-12-21
Record Last Updated: 2005-01-20

Quad Summary: Fairfield South (3812221/482A), Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.19110º / -122.00251º
UTM: Zone-10 N4227489 E587350
Area:
Elevation: 10 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 17 **Qtr:** N
Meridian: M

Location: CUTOFF SLOUGH, EAST OF SECOND MALLARD BRANCH, NORTH OF GRIZZLY ISLAND.
Ecological: HABITAT CONSISTS OF CORD GRASS ALONG THE SLOUGHS WITH PICKLE WEED IN HIGHER AREAS.
General: CLAPPER RAILS DETECTED ALONG CUTOFF SLOUGH DURING 1991CHRISTMAS BIRD COUNT. CLAPPER RAILS NOT DETECTED DURING THE 1992 BREEDING SURVEY; HOWEVER, 2 WERE HEARD ON 21 DEC 1992.
Owner/Manager: DFG

Occurrence No. 97 **Map Index:** 59551 **EO Index:** 59587
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-XX-XX
Site: 1992-XX-XX
Record Last Updated: 2005-01-24

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.18525º / -121.98796º
UTM: Zone-10 N4226853 E588631
Area:
Elevation: 4 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 16 **Qtr:** XX
Meridian: M

Location: MOUTH OF CUTOFF SLOUGH, NEAR MONTEZUMA SLOUGH, SOUTHEAST SIDE OF JOICE ISLAND
Location Detail: 1 DETECTION EAST OF AND TWO DETECTIONS WEST OF CUTOFF SLOUGH.
General: 3 DETECTIONS ALONG CUTOFF SLOUGH DURING THE 1991 CHRISTMAS BIRD COUNT. RAILS NOT OBSERVED DURING 1992 BREEDING
Owner/Manager: DFG

Occurrence No. 98 **Map Index:** 59510 **EO Index:** 59546
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-XX-XX
Site: 1994-XX-XX
Record Last Updated: 2005-01-20

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.13524º / -122.08319º
UTM: Zone-10 N4221217 E580346
Radius: 1/10 mile
Elevation: 5 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 03N
Range: 02W
Section: 03 **Qtr:** N
Meridian: M

Location: ALONG SUISUN SLOUGH AT NORTH TIP OF MORROW ISLAND, EAST OF GRIZZLY BAY.
Ecological: HABITAT CONSISTS OF A FRINGE MARSH.
General: RAILS DETECTED AT THIS LOCATION DURING A 1994 SURVEY.
Owner/Manager: UNKNOWN

Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G4T2T3
State: S2S3

Other Lists
CDFG Status: SC

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

Occurrence No. 306 **Map Index:** 41245 **EO Index:** 41245

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-07-14
Site: 2005-07-14
Record Last Updated: 2007-06-11

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.15774º / -122.12135º
UTM: Zone-10 N4223681 E576977
Radius: 80 meters
Elevation: 145 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 30 **Qtr:** SE
Meridian: M

Location: 0.85 MILE NNW OF THE INTERSECTION OF MARSHVIEW ROAD AND I-680, 6 MILES SW OF FAIRFIELD.

Ecological: HABITAT CONSISTS OF A PERMANENT STOCK POND; VEGETATED BY GRAZED NATIVE AND INTRODUCED GRASSES AND A FEW STUNTED WILLOW TREES. SITE CONSISTS OF AN OLD QUARRY AREA, SURROUNDED BY SEVERAL PITS FILLED WITH WATER.

Threat: THREATENED BY PROPOSED DEVELOPMENT (CORDELIA SHOOTING RANGE), GRAZING, AND BULLFOGS.

General: 1 JUVENILE COLLECTED (MRJ 1463) ON 9 APR 1999 AND DEPOSITED AT CAS. 1 ADULT OBSERVED ON 14 JUL 2005.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 857 **Map Index:** 63729 **EO Index:** 63824

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-10-27
Site: 2005-10-27
Record Last Updated: 2006-01-23

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.14570º / -122.12383º
UTM: Zone-10 N4222343 E576772
Radius: 80 meters
Elevation: 145 ft
Mapping Precision SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 31 **Qtr:** SE
Meridian: M

Location: 0.75 MILE WEST OF I-680, 0.75 MILE SW OF FAIRFIELD

Location Detail: THIS SITE IS CURRENTLY (2005) IN THE PROCESS OF BEING RESTORED (WILLOW PLANTINGS, LIMITED CATTLE ACCESS) BY SOLANO LAND TRUST.

Ecological: HABITAT CONSISTS OF A SPRING-FED POOL IN OAK SAVANNAH. POND HAS A SILT SUBSTRATE WITH RYE GRASS EMERGENT. AN OAK RIPARIAN AREA IS LOCATED ~25 METERS TO THE SW.

Threat: POSSIBLE THREAT FROM BULLFROGS LOCATED IN A POOL 1KM NORTH OF THIS SITE.

General: 3 ADULTS OBSERVED ON 27 OCT 2005.

Owner/Manager: SOLANO LAND TRUST

Rana boylii

foothill yellow-legged frog

Element Code: AAABH01050

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations
General: PARTLY-SHADED, SHALLOW STREAMS & RIFFLES WITH A ROCKY SUBSTRATE IN A VARIETY OF HABITATS.
Micro: NEED AT LEAST SOME COBBLE-SIZED SUBSTRATE FOR EGG-LAYING. NEED AT LEAST 15 WEEKS TO ATTAIN METAMORPHOSIS.

Occurrence No. 202 **Map Index:** 42216 **EO Index:** 42216
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-05
Site: 2004-06-05
Record Last Updated: 2004-09-28

Quad Summary: Mt. Vaca (3812241/499A), Monticello Dam (3812251/515D)
County Summary: Solano

Lat/Long: 38.50158º / -122.09979º
UTM: Zone-10 N4261853 E578494
Area: 26.6 acres
Elevation: 500 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 08N
Range: 02W
Section: 32 **Qtr:** XX
Meridian: M

Location: COLD CANYON CREEK, 0.5 MILE UPSTREAM FROM HIGHWAY 128, SE OF LAKE BERRYESSA.
Location Detail: SITE IS LOCATED DOWNSTREAM OF THE TRAIL CROSSING IN THE COLD CANYON PRESERVE.
Ecological: HABITAT CONSISTS OF A COBBLE AND BOULDER-STREWN PERENNIAL CREEK, WITHIN A RIPARIAN CORRIDOR; SURROUNDED BY WOODLAND.
General: 100+ JUVENILES OBSERVED ON 25 JUN 1999. 2 ADULTS OBSERVED ON 5 JUN 2004.
Owner/Manager: UC-BERKELEY

Occurrence No. 388 **Map Index:** 49273 **EO Index:** 53138
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-09-30
Site: 2002-09-30
Record Last Updated: 2003-11-04

Quad Summary: Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.28615º / -122.08603º
UTM: Zone-10 N4237960 E579932
Radius: 80 meters
Elevation: 160 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02W
Section: 16 **Qtr:** XX
Meridian: M

Location: UNNAMED TRIBUTARY OF LEDGEWOOD CREEK, 1.8 KM EAST OF MANKAS CORNER, NW OF FAIRFIELD
Location Detail: POOL WITH FROGS IS IN THE BOTTOM OF A NARROW RAVINE, INCISED 3 METERS BELOW TERRACE VEGETATED WITH GRASSLAND.
Ecological: HABITAT CONSISTS OF A SMALL, DEEP, POOL BELOW A GOLF COURSE OUTFALL. STREAM WAS FORMERLY EPHEMERAL, BUT IS NOW PERENNIAL BECAUSE OF GOLF COURSE TAILWATER. CREEK LACKS WOODY RIPARIAN VEGETATION; ONLY RIPARIAN PLANTS ARE SPARSE WETLAND WEEDS.
Threat: THREATENED BY GRAZING, PLANNED URBAN DEVELOPMENT, AND SMALL POPULATION SIZE.
General: 2 ADULTS OBSERVED ON 30 SEP 2002.
Owner/Manager: PVT

Occurrence No. 401 **Map Index:** 54623 **EO Index:** 54623
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2003-08-07
Site: 2003-08-07
Record Last Updated: 2004-03-09

Quad Summary: Mt. Vaca (3812241/499A)
County Summary: Solano

Lat/Long: 38.38658º / -122.06170º
UTM: Zone-10 N4249126 E581946
Area:
Elevation: 600 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 06N
Range: 02W
Section: 10 **Qtr:** NE
Meridian: M

Location: ALAMO CREEK, IN GATES CANYON, 3 MILES NW OF VACAVILLE.
Ecological: HABITAT CONSISTS OF A POOL ALONG GATES CANYON ROAD; SURROUNDED BY GRAZED MIXED OAK WOODLAND, SCRUB ALONG HILL SLOPES, AND OAKS AND WILLOWS ALONG CREEK. CREEK SUBSTRATE IS SAND, WITH SMALL GRAVEL IN POOL.
General: 6 LARVAE AND 2 METAMORPHS OBSERVED ON 7 AUG 2003.
Owner/Manager: PVT

Rana boylii

foothill yellow-legged frog

Element Code: AAABH01050

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations
General: PARTLY-SHADED, SHALLOW STREAMS & RIFFLES WITH A ROCKY SUBSTRATE IN A VARIETY OF HABITATS.
Micro: NEED AT LEAST SOME COBBLE-SIZED SUBSTRATE FOR EGG-LAYING. NEED AT LEAST 15 WEEKS TO ATTAIN METAMORPHOSIS.

Occurrence No. 408 **Map Index:** 57059 **EO Index:** 57075
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-06-05
Site: 2004-06-05
Record Last Updated: 2004-09-28

Quad Summary: Mt. Vaca (3812241/499A)
County Summary: Solano

Lat/Long: 38.38100º / -122.04857º
UTM: Zone-10 N4248517 E583099
Radius: 80 meters
Elevation: 425 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 06N
Range: 02W
Section: 11 **Qtr:** NE
Meridian: M

Location: ALAMO CREEK, 1.1 MILES WEST OF THE JUNCTION OF LAGOON VALLEY ROAD AND PLEASANTS VALLEY ROAD, NW OF VACAVILLE.
Location Detail: SITE IS LOCATED ~2 MILES UP GATES CANYON ROAD, WHERE THE STREAM COMES CLOSEST TO THE ROAD.
Ecological: HABITAT CONSISTS OF A ROCKY STREAMCOURSE WITH AN OPEN/PARTIAL CANOPY OF NATIVE VEGETATION, INCLUDING SALIX SP AND SAMBUCUS MEXICANA.
Threat: POSSIBLE THREAT FROM THE PROXIMITY OF THE PAVED ROAD (GATES CANYON ROAD).
General: ON 5 JUN 2004, 2 ADULTS WERE OBSERVED BASKING ON MOIST ROCKS ADJACENT TO A CLEAR POOL.
Owner/Manager: PVT

Occurrence No. 409 **Map Index:** 57061 **EO Index:** 57077
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-05-30
Site: 2004-05-30
Record Last Updated: 2004-09-28

Quad Summary: Mt. Vaca (3812241/499A)
County Summary: Solano

Lat/Long: 38.40943º / -122.06610º
UTM: Zone-10 N4251657 E581536
Radius: 80 meters
Elevation: 700 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 02W
Section: 34 **Qtr:** SE
Meridian: M

Location: ULATIS CREEK, ALONG MIX CANYON ROAD, 1.5 MILES WEST OF LAGOON VALLEY ROAD, NW OF VACAVILLE
Location Detail: SITE IS LOCATED UPSTREAM OF MILE MARKER 2.4.
Ecological: HABITAT CONSISTS OF MOIST ROCKS WITHIN THE CREEK, COBBLE AND BOULDER SUBSTRATE, AND CLEAR, DEEP POOLS. ULATIS CREEK IS A FLOWING, ROCKY STREAM WITH AN OPEN/PARTIAL CANOPY OF NATIVE VEGETATION.
Threat: THREATENED BY POSSIBLE POLLUTION FROM A VINEYARD LOCATED UPSTREAM AND USE OF THE AREA AS A DUMPING GROUND FOR JUNK CARS.
General: 13 ADULTS AND 10 TADPOLES OBSERVED ON 30 MAY 2004.
Owner/Manager: PVT

Rana boylii

foothill yellow-legged frog

Element Code: AAABH01050

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations
General: PARTLY-SHADED, SHALLOW STREAMS & RIFFLES WITH A ROCKY SUBSTRATE IN A VARIETY OF HABITATS.
Micro: NEED AT LEAST SOME COBBLE-SIZED SUBSTRATE FOR EGG-LAYING. NEED AT LEAST 15 WEEKS TO ATTAIN METAMORPHOSIS.

Occurrence No. 448 **Map Index:** 68577 **EO Index:** 68954
Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-06-11
Site: 2006-06-11
Record Last Updated: 2007-04-04

Quad Summary: Mt. Vaca (3812241/499A)
County Summary: Solano

Lat/Long: 38.48574º / -122.08607º
UTM: Zone-10 N4260107 E579708
Radius: 80 meters
Elevation: 1,160 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 07N
Range: 02W
Section: 04 **Qtr:** NE
Meridian: M

Location: WILD HORSE CREEK, ~1.2 MILES UPSTREAM OF THE CONFLUENCE WITH COLD CANYON CREEK, STEBBINS COLD CANYON RESERVE

Ecological: HABITAT CONSISTS OF A SMALL CREEK THAT NORMALLY FLOWS YEAR-ROUND, BUT MAY GO DRY IN PLACES DURING PERIODS OF LOW RAINFALL; SUBSTRATE IS ROCKY, WITH PLUNGE POOLS AND RIFFLES. VEGETATION IS TYPICAL OF RIPARIAN ALONG INNER COAST RANGE STREAMS.

General: 25+ ADULT AND SUB-ADULT FROGS OBSERVED ON 11 JUN 2006.

Owner/Manager: UCNR-COLD CANYON RESERVE

Reithrodontomys raviventris

salt-marsh harvest mouse

Element Code: AMAFF02040

Status
Federal: Endangered
State: Endangered

NDDB Element Ranks
Global: G1G2
State: S1S2

Other Lists
CDFG Status:

Habitat Associations
General: ONLY IN THE SALINE EMERGENT WETLANDS OF SAN FRANCISCO BAY AND ITS TRIBUTARIES.
Micro: PICKLEWEED IS PRIMARY HABITAT. DO NOT BURROW, BUILD LOOSELY ORGANIZED NESTS. REQUIRE HIGHER AREAS FOR FLOOD ESCAPE.

Occurrence No. 11 **Map Index:** 10035 **EO Index:** 14565
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Stable

Dates Last Seen
Element: 2003-09-XX
Site: 2003-09-XX
Record Last Updated: 2008-04-08

Quad Summary: Honker Bay (3812118/481C), Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.11967º / -121.96797º
UTM: Zone-10 N4219596 E590463
Area: 708.4 acres
Elevation: 3 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 03N
Range: 01E
Section: 10 **Qtr:** XX
Meridian: M

Location: NW PART OF HAMMOND ISLAND, SW CORNER OF GRIZZLY ISLAND WILDLIFE AREA, 10 MILES SSW OF FAIRFIELD.

Location Detail: AREA CONSISTS OF PARTS OF PONDS 14, 15, AND 16. SW PORTION OF AREA TRAPPED BY SCHAUB IN 1971. 12/21-24/87 TRAPPING BY BOTTI SAMPLED ALL VEG TYPES, FROM SALICORNIA TO ANNUAL GRASS/HERB MIX. 1994 REPORT, SAMPLING DONE FROM 1985 TO 1994.

Ecological: HABITAT CONSISTS OF A MANAGED MARSH, DOMINATED BY PICKLEWEED, WITH SOME WEEDY SPECIES AT THE EASTERN END OF POND 15. POND 14 IS MANAGED WITH TALL WHEATGRASS/ANNUAL GRASSES. SURROUNDING AREA MANAGED FOR WATERFOWL AND PHEASANT HUNTING.

General: 15 CAP/5 RECAPS, 1971. 7 CAP, DEC 1987. 2 CAPTURES, 1996. 40 CAPTURED, JUN 2000. 71 CAPTURED, MAY-OCT 2001. 43 CAPTURED, JUN 2002. 1 AD CAPTURED, JUL 2002. 37 CAPTURED, SEP 2002 AT 6 SITES. 151 CAP, MAY-SEP 2003.

Owner/Manager: DFG-GRIZZLY ISLAND WA

Occurrence No. 12 **Map Index:** 09974 **EO Index:** 23876
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1971-XX-XX
Site: 1971-XX-XX
Record Last Updated: 1989-08-10

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.13047º / -121.98691º
UTM: Zone-10 N4220776 E588790
Radius: 1/5 mile
Elevation: 2 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 03N
Range: 01W
Section: 4 **Qtr:** XX
Meridian: M

Location: GRIZZLY ISLAND, 7 MI SE OF FAIRFIELD, INTERTIDAL OF GRIZZLY BAY.

Location Detail: 4 SMHM CAPTURED.

Ecological: HABITAT CONSISTS OF SALICORNIA-DOMINATED TIDAL SALTMARSH.

Owner/Manager: DFG-GRIZZLY ISLAND WA

Occurrence No. 13 **Map Index:** 09743 **EO Index:** 23878
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1971-XX-XX
Site: 1971-XX-XX
Record Last Updated: 1995-10-20

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.17630º / -122.05136º
UTM: Zone-10 N4225801 E583089
Radius: 1/5 mile
Elevation: 3 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 04N
Range: 02W
Section: 23 **Qtr:** XX
Meridian: M

Location: JOICE ISLAND, JUST S OF VOLANTI SLOUGH, APPROX 3 MI S OF SUISUN CITY.

Ecological: HABITAT CONSISTS OF DIKED SALT MARSH DOMINATED BY SALICORNIA.

General: 14 SMHM CAPTURED DURING 1971 TRAPPING EFFORT.

Owner/Manager: DFG-GRIZZLY ISLAND WA

Reithrodontomys raviventris

salt-marsh harvest mouse

Element Code: AMAFF02040

Status
Federal: Endangered
State: Endangered

NDDB Element Ranks
Global: G1G2
State: S1S2

Other Lists
CDFG Status:

Habitat Associations
General: ONLY IN THE SALINE EMERGENT WETLANDS OF SAN FRANCISCO BAY AND ITS TRIBUTARIES.
Micro: PICKLEWEED IS PRIMARY HABITAT. DO NOT BURROW, BUILD LOOSELY ORGANIZED NESTS. REQUIRE HIGHER AREAS FOR FLOOD ESCAPE.

Occurrence No. 71 **Map Index:** 09838 **EO Index:** 23860
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown

Dates Last Seen
Element: 1996-07-17
Site: 1996-07-17
Record Last Updated: 1997-11-13

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.22796º / -122.02246º
UTM: Zone-10 N4231559 E585559
Radius: 1/5 mile
Elevation: 1 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 02W
Section: 6 **Qtr:** XX
Meridian: M

Location: HILL SLOUGH WILDLIFE AREA, ONE MI S OF GRIZZLY ISL RD/HWY 12 INTERSECT, ON W SIDE OF RD.

Location Detail: AREA WAS TRAPPED FOR 3 CONSECUTIVE NIGHTS (300 TRAPNIGHTS); 11 CAPTURES.

Ecological: THIS MARSH AREA IS UNUSUAL IN THAT IT CONTAINS MINIMAL AMOUNTS OF PICKLEWEED W/FAT HEN (ATRIPLEX PATULA) AS DOMINANT PLANT SPECIES (45 PERCENT).

General: 1 INDIVIDUAL OBSERVED, 1996.

Owner/Manager: DFG-HILL SLOUGH WA

Occurrence No. 111 **Map Index:** 09931 **EO Index:** 23840
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1985-12-XX
Site: 1985-12-XX
Record Last Updated: 1989-08-10

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.18435º / -121.99746º
UTM: Zone-10 N4226744 E587800
Radius: 1/5 mile
Elevation: 3 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 01W
Section: 20 **Qtr:** XX
Meridian: M

Location: JOICE ISLAND, APPROX 3 MILES SE OF FAIRFIELD.

Location Detail: 2 SMHM CAPTURED DURING 300 TRAPNIGHTS.

Ecological: DIKED SALT MARSH, OPERATED OFF AND ON AS A WATERFOWL HUNTING AREA. AT PRESENT TIME IT IS USED FOR WATERFOWL RESTING/FEEDING AREA, AND NO HUNTING IS ALLOWED.

General: TRAPPING WAS PART OF A 13 AREA SURVEY CONDUCTED FROM OCTOBER TO DECEMBER 1985.

Owner/Manager: DFG-GRIZZLY ISLAND WA, UNKNOWN

Occurrence No. 112 **Map Index:** 09903 **EO Index:** 23839
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-11
Site: 2005-08-11
Record Last Updated: 2008-04-07

Quad Summary: Fairfield South (3812221/482A), Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.23011º / -121.99702º
UTM: Zone-10 N4231822 E587784
Area: 681.6 acres
Elevation: 3 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01W
Section: 32 **Qtr:** XX
Meridian: M

Location: HILL SLOUGH, SOUTH OF HIGHWAY 12 AND NORTH OF POTRERO HILLS, 2 MILES SE OF FAIRFIELD.

Location Detail: HILL SLOUGH SMHM CONSERVATION AREA MAKES UP THE SOUTHERN PORTION OF THIS SITE (SOUTH SIDE OF HILL SLOUGH). TRAPPING SITES VARY FROM YEAR TO YEAR.

Ecological: HABITAT CONSISTS OF TIDAL MARSH DOMINATED PRIMARILY BY SALICORNIA AND SECONDARILY BY DISTICHLIS. IN 2002 PICKLEWEED WAS RATHER SHORT AND SPARSE. CORDYLANTHUS MOLLIS MOLLIS AND BLACK RAIL ALSO FOUND HERE.

Threat: POSSIBLE THREAT FROM HUMAN AND DOG USE OF THE AREA, URBAN ENCROACHMENT, AND STORM RUN-OFF.

General: 1985: 1 TRAPPED. 1987: 8 TRAPPED. 1999: 24 TRAPPED. 2000: 15 TRAPPED. 2001: 19 TRAPPED. 2001: 5 TRAPPED. 2002: 8 TRAPPED. 2002: 39 TRAPPED. 2002: 44 TRAPPED. 2003: NUMEROUS TRAPPED. 2004: 22 TRAPPED. 2005: 35 TRAPPED.

Owner/Manager: DFG-HILL SLOUGH WA

Reithrodontomys raviventris

salt-marsh harvest mouse

Element Code: AMAFF02040

Status
Federal: Endangered
State: Endangered

NDDB Element Ranks
Global: G1G2
State: S1S2

Other Lists
CDFG Status:

Habitat Associations
General: ONLY IN THE SALINE EMERGENT WETLANDS OF SAN FRANCISCO BAY AND ITS TRIBUTARIES.
Micro: PICKLEWEED IS PRIMARY HABITAT. DO NOT BURROW, BUILD LOOSELY ORGANIZED NESTS. REQUIRE HIGHER AREAS FOR FLOOD ESCAPE.

Occurrence No. 114 **Map Index:** 09765 **EO Index:** 23837
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Decreasing

Dates Last Seen
Element: 1986-10-04
Site: 1986-10-04
Record Last Updated: 1995-10-27

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.24046º / -122.04663º
UTM: Zone-10 N4232924 E583430
Radius: 1/5 mile
Elevation: 3 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02W
Section: 35 **Qtr:** XX
Meridian: M

Location: JUST SOUTH OF FAIRFIELD AND JUST WEST OF SUISUN CITY.

Location Detail: SITE TRAPPED FROM SEPT 8 TO OCT 4, FOR A TOTAL OF 1800 TRAPNIGHTS, WITH 10 R. RAVIVENTRIS CAPTURED.

Ecological: AT TIME OF TRAPPING, MOST OF SITE DOMINATED BY PICKLEWEED (SALICORNIA). SOON AFTER TRAPPING, MAJORITY OF SITE WAS DISKED AND PLANTED WITH GRASSES BY OWNER. ONLY EASTERN EDGE LEFT INTACT.

Owner/Manager: PVT-GENTRY/PIERCE PROPERTY

Occurrence No. 121 **Map Index:** 09859 **EO Index:** 14538
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-07-XX
Site: 2004-07-XX
Record Last Updated: 2005-03-21

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23693º / -122.01472º
UTM: Zone-10 N4232562 E586227
Area:
Elevation: 4 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01W
Section: 31 **Qtr:** XX
Meridian: M

Location: HILL SLOUGH WEST, POND 4, 1 MILE EAST OF SUISUN CITY.

Location Detail: 1987 RELEASE SITE FOR 46 SMHM CAPTURED AT A PROPOSED DREDGE SPOIL SITE ON VAN SICKLE ISLAND. 2002: 3 SEPARATE VEGETATION TYPE WERE TRAPPED - PICKLEWEED DOMINATED, MIXED HALOPHYTE DOMINATED WITH < 40% PICKLEWEED, & UPLAND GRASS DOMINATED.

Ecological: HABITAT CONSISTS OF A MANAGED WETLAND, DOMINATED BY PICKLEWEED (SALICORNIA VIRGINICA), SALT GRASS (DISTICHLIS SPICATA) BALTIC RUSH (JUNCAS BALTICUS), FAT HEN (ATRIPLEX TRIANGULARIS) OTHER HALOPHYTES & ANNUAL GRASSES.

Threat: USED BY PEOPLE AND DOGS FOR WALKING.

General: 15 CAPTURES/1 RECAP, 21-23 JUN 1999. 19 ADS/4 JUV TRAPPED, JUN 2001. 53 TRAPPED, 17 JUN 2002. 64 TRAPPED, 19 SEP 2002. NUMEROUS CAPTURES, MAR-SEP 2 2003. 48 CAPTURES, MAR 2004. 30 CAPTURES, JUL 2004.

Owner/Manager: DFG-HILL SLOUGH WA

Occurrence No. 122 **Map Index:** 09967 **EO Index:** 14537
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-09-21
Site: 1999-09-21
Record Last Updated: 1999-11-09

Quad Summary: Denverton (3812128/481B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19223º / -121.99303º
UTM: Zone-10 N4227623 E588179
Area: 238.5 acres
Elevation: 3 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 17 **Qtr:** XX
Meridian: M

Location: NORTH OF CUTOFF SLOUGH AND JOICE ISLAND, SOUTH OF GRIZZLY ISLAND ROAD, WNW OF BELDONS LANDING, 4 MILES SSE OF FAIRFIELD.

Ecological: VEG VARIABLE; PICKLEWEED DOMINATED IN AREA OF FIRST TRAP LINE (EAST PORTION), WHILE MIXTURE OF RUSHES, PICKLEWEED, AND BALTIC RUSH COMBINED, COMPOSED AREA ON WEST PORTION, WHERE SECOND TRAP LINE WAS PLACED.

General: TRAPPED 1-4 DEC 1987; 7 SMHM CAPTURES IN 300 TRAPNIGHTS. 1994 REPORT LISTED LIVE CAPTURES FROM 1985 TO 1994. 5 CAPTURES DURING 500 TRAPNIGHTS IN AUG-SEP 1999.

Owner/Manager: DFG-GRIZZLY ISLAND WA

Reithrodontomys raviventris

salt-marsh harvest mouse

Element Code: AMAFF02040

Status
Federal: Endangered
State: Endangered

NDDB Element Ranks
Global: G1G2
State: S1S2

Other Lists
CDFG Status:

Habitat Associations
General: ONLY IN THE SALINE EMERGENT WETLANDS OF SAN FRANCISCO BAY AND ITS TRIBUTARIES.
Micro: PICKLEWEED IS PRIMARY HABITAT. DO NOT BURROW, BUILD LOOSELY ORGANIZED NESTS. REQUIRE HIGHER AREAS FOR FLOOD ESCAPE.

Occurrence No. 123 **Map Index:** 09961 **EO Index:** 14536

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Stable

Dates Last Seen
Element: 2005-09-15
Site: 2005-09-15
Record Last Updated: 2008-04-07

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.15301º / -121.99081º
UTM: Zone-10 N4223273 E588421
Area: 65.2 acres
Elevation: 2 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 32 **Qtr:** XX
Meridian: M

Location: CRESCENT UNIT OF GRIZZLY ISLAND WILDLIFE AREA, 0.8 MILE WEST OF DFG HEADQUARTERS.

Location Detail: SMHM CONSERVATION AREA.

Ecological: HABITAT CONSISTS OF MANAGED NORTHERN COASTAL SALTMARSH, DOMINATED BY SALICORNIA, WITH SOME SALT GRASS, RABBITS FOOT GRASS, AND FAT HEN. VERY GOOD HABITAT WITH TRADITIONALLY HIGH TRAP SUCCESS.

Threat: THREATENED BY NON-NATIVE INVASIVE PLANTS.

General: 1987: 11 CAPS. 1996: 14 CAPS. 1999: 56 CAPS. 2000: 37 AD/3 JUV CAPS. JUL 2001: 29 AD/2 JUV CAPS. OCT 2001: 23 CAPS. APR 2002: 28 CAPS. AUG 2002: 53 CAPS. JUN 2003: 32 CAPS. AUG 2003: 32 CAPS. JUN 2005: 73 CAPS. SEP 2005: 53 CAPS.

Owner/Manager: DFG-GRIZZLY ISLAND WA

Occurrence No. 142 **Map Index:** 37615 **EO Index:** 32617

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2004-04-XX
Site: 2004-04-XX
Record Last Updated: 2005-01-13

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19555º / -122.02673º
UTM: Zone-10 N4227960 E585223
Area:
Elevation: 1 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 13 **Qtr:** NW
Meridian: M

Location: RUSH RANCH, SW OF GRIZZLY ISLAND ROAD, 1.3 MILES NORTH OF MONTEZUMA SLOUGH, 3 MILES SSE OF SUISUN CITY.

Ecological: HABITAT CONSISTS OF TIDAL WETLANDS DOMINATED BY PICKLEWEED AND MIXED HALOPHYTES, AND SOME UPLAND DOMINATED BY ANNUAL GRASSES.

Threat: THREATENED BY FERAL PIGS AND SPREAD OF NON-NATIVE LEPIDIUM.

General: 4 CAPTURED IN 1985. 4 CAPTURED 1989. 26 CAPTURED ON 19 JUL 2002. 19 CAPTURED ON 18 OCT 2002. 91 CAPTURES/99 RECAPS, MAY-OCT 2003. 21 CAPTURES DURING APR 2004.

Owner/Manager: SOLANO LAND TRUST

Reithrodontomys raviventris

salt-marsh harvest mouse

Element Code: AMAFF02040

Status
Federal: Endangered
State: Endangered

NDDB Element Ranks
Global: G1G2
State: S1S2

Other Lists
CDFG Status:

Habitat Associations
General: ONLY IN THE SALINE EMERGENT WETLANDS OF SAN FRANCISCO BAY AND ITS TRIBUTARIES.
Micro: PICKLEWEED IS PRIMARY HABITAT. DO NOT BURROW, BUILD LOOSELY ORGANIZED NESTS. REQUIRE HIGHER AREAS FOR FLOOD ESCAPE.

Occurrence No. 149 **Map Index:** 34141 **EO Index:** 32664
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1989-11-09
Site: 1989-11-09
Record Last Updated: 1998-03-10

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.17314º / -122.07912º
UTM: Zone-10 N4225426 E580661
Radius: 1/10 mile
Elevation: 1 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 04N
Range: 02W
Section: 22 **Qtr:** XX
Meridian: M

Location: DUCK CLUB AT THE END OF CHADBOURNE ROAD, 5.5 MILES (ALONG THE RR TRACKS) SW OF FAIRFIELD.
Location Detail: TRAP SITE PART OF THE DUCK CLUB.
Ecological: PICKLEWEED MARSH.
General: 150 TRAP NIGHTS, 2 CAPTURED, THE MAJORITY OF THE AREA WAS FLOODED SEVERAL INCHES. AN UNIDENTIFIED SHREW WAS ALSO CAPTURED, IT WILL BE CHECKED BY BIOLOGISTS AT UC BERKELEY TO DETERMINE IF IT IS A SUISUN SHREW.
Owner/Manager: PVT

Occurrence No. 153 **Map Index:** 37831 **EO Index:** 32838
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-06-20
Site: 2006-06-20
Record Last Updated: 2008-04-07

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.22656º / -122.04552º
UTM: Zone-10 N4231384 E583542
Area:
Elevation: 10 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02W
Section: 02 **Qtr:** XX
Meridian: M

Location: PEYTONIA SLOUGH ECOLOGICAL RESERVE, JUST SOUTH OF SUISUN CITY.
Location Detail: SITE IS LOCATED EAST OF THE SOUTHERN PACIFIC RR TRACKS, NORTH OF PEYTONIA SLOUGH, AND WEST OF SUISUN SLOUGH.
Ecological: HABITAT CONSISTS OF A MUTED TIDAL MARSH, DOMINATED BY SALICORNIA VIRGINICA, DISTICHLIS SPICATA, JUNCUS BALTICUS, AND SCIRPUS AMERICANUS. FIRE IN MAY 2001 DESTROYED MUCH OF THE VEGETATION.
Threat: THREATENED BY HUMAN DISTURBANCE, DOMESTIC DOGS AND CATS, AND FIRE.
General: UNK # CAPTURED, 1985-1994. 11 ADS/1 JUV CAPTURED DURING AUG 2000. 4 ADS CAPTURED DURING JUL 2001. 2 CAPTURES/4 RECAPS 17-20 JUN 2002. 24 CAPTURED, JUN 2003. 5 CAPTURES/5 RECAPS, JUN 2004. 31 CAPTURED, 16 JUN 2005. 4 CAPTURES, 20 JUN 2006.
Owner/Manager: DFG-PEYTONIA SLOUGH ER

Occurrence No. 154 **Map Index:** 37832 **EO Index:** 32839
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1985-XX-XX
Site: 1985-XX-XX
Record Last Updated: 1998-01-06

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.15713º / -121.99697º
UTM: Zone-10 N4223724 E587876
Radius: 1/5 mile
Elevation: 1 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01W
Section: 29 **Qtr:** XX
Meridian: M

Location: ~6.5 MI SSE OF FAIRFIELD, 1.8 MI S JOICE ISLAND, 3.5 MI WSW CONFLUENCE OF NURSE AND MONTEZUMA SLOUGH, GRIZZLY ISLAND.
Ecological: CRITICAL HABITAT IS DENSE COVER OF MARSH VEGETATION AND PRESENCE OF PERIPHERAL HIGH MARSH OR UPLAND REFUGIAL HABITAT DURING HIGH TIDE.
General: SAMPLING DONE FROM 1985 TO 1994.
Owner/Manager: UNKNOWN

Reithrodontomys raviventris

salt-marsh harvest mouse

Element Code: AMAFF02040

Status
Federal: Endangered
State: Endangered

NDDB Element Ranks
Global: G1G2
State: S1S2

Other Lists
CDFG Status:

Habitat Associations
General: ONLY IN THE SALINE EMERGENT WETLANDS OF SAN FRANCISCO BAY AND ITS TRIBUTARIES.
Micro: PICKLEWEED IS PRIMARY HABITAT. DO NOT BURROW, BUILD LOOSELY ORGANIZED NESTS. REQUIRE HIGHER AREAS FOR FLOOD ESCAPE.

Occurrence No. 155 **Map Index:** 37840 **EO Index:** 32847
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1985-XX-XX
Site: 1985-XX-XX
Record Last Updated: 1998-01-06

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.12808º / -121.92762º
UTM: Zone-10 N4220569 E593989
Radius: 1/5 mile
Elevation: 1 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 03N
Range: 01W
Section: 01 **Qtr:** XX
Meridian: M

Location: GRIZZLY ISLAND, 3.2 MILES SE OF DFG HQ, 0.25 MILES SSE OF SOUTHERN END OF FROST SLOUGH, 1.4 MILES SW OF MEINS LANDING.
Ecological: CRITICAL HABITAT IS DENSE COVER OF MARSH VEGETATION AND PRESENCE OF PERIPHERAL HIGH MARSH OR UPLAND REFUGIAL HABITAT DURING HIGH TIDE.
General: LIVE TRAP CAPTURES. SAMPLING DONE FROM 1985 TO 1994.
Owner/Manager: UNKNOWN

Occurrence No. 163 **Map Index:** 41877 **EO Index:** 41877
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-07-13
Site: 1999-07-13
Record Last Updated: 1999-11-15

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.13653º / -121.94886º
UTM: Zone-10 N4221485 E592117
Area: 115.0 acres
Elevation: 0 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 03N
Range: 01W
Section: 02 **Qtr:** NW
Meridian: M

Location: POND 12F, BETWEEN HAMMOND ISLAND AND MONTEZUMA SLOUGH, GRIZZLY ISLAND WILDLIFE AREA.
Ecological: HABITAT CONSISTS OF A MANAGED WETLAND, DOMINATED BY PICKLEWEED, BUT INTERSPERSED WITH MANY OTHER WETLAND PLANTS.
General: 34 SMHM CAPTURES AND 11 RECAPTURES DURING 170 TRAPNIGHTS BETWEEN 12-13 JUL 1999.
Owner/Manager: DFG-GRIZZLY ISLAND WA

Occurrence No. 166 **Map Index:** 41887 **EO Index:** 41887
Occ Rank: Poor
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-06-16
Site: 1999-06-16
Record Last Updated: 1999-11-16

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.20543º / -122.01654º
UTM: Zone-10 N4229065 E586104
Radius: 1/5 mile
Elevation: 5 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 01W
Section: 07 **Qtr:** S
Meridian: M

Location: SPRING BRANCH (CREEK), TRIBUTARY TO FIRST MALLARD BRANCH, TRIBUTARY TO SUISUN SLOUGH, SOUTH OF SUISUN CITY.
Ecological: HABITAT CONSISTS MOSTLY OF UPLAND GRASSES, BUT CONTAINS A SMALL PATCH OF PICKLEWEED WITHIN THE DRAINAGE.
General: 1 SMHM CAPTURED WITHIN THE SMALL PICKLEWEED PATCH IN 140 TRAPNIGHTS ON 15-16 JUN 1999.
Owner/Manager: PVT-RUSH RANCH

Reithrodontomys raviventris

salt-marsh harvest mouse

Element Code: AMAFF02040

Status
Federal: Endangered
State: Endangered

NDDB Element Ranks
Global: G1G2
State: S1S2

Other Lists
CDFG Status:

Habitat Associations
General: ONLY IN THE SALINE EMERGENT WETLANDS OF SAN FRANCISCO BAY AND ITS TRIBUTARIES.
Micro: PICKLEWEED IS PRIMARY HABITAT. DO NOT BURROW, BUILD LOOSELY ORGANIZED NESTS. REQUIRE HIGHER AREAS FOR FLOOD ESCAPE.

Occurrence No. 167 **Map Index:** 41888 **EO Index:** 41888
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-08-04
Site: 2006-08-04
Record Last Updated: 2008-04-08

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.23820º / -122.02480º
UTM: Zone-10 N4232694 E585342
Area:
Elevation: 5 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01W
Section: 31 **Qtr:** XX
Meridian: M

Location: PONDS 1 & 2, HILL SLOUGH WEST, JUST EAST OF SUISUN CITY.

Ecological: 1999: HABITAT CONSISTS MAINLY OF UPLAND, WITH SOME PICKLEWEED. 2002: MANAGED WETLAND DOMINATED BY DISTICHLIS SPICATA, ATRIPLEX TRIANGULIS, JUNCUS BALTICUS, UPLAND GRASSES, AND OTHER MIXED HALOPHYTES. URBAN DEVELOPMENT TO THE NORTH AND WEST.

Threat: POSSIBLE THREATS FROM URBAN ENCROACHMENT, STORM RUNOFF, AND HUMAN DISTURBANCE.

General: 4 SMHM CAPTURES (120 TRAPNIGHTS), 25-26 MAY 1999, IN UPLAND HABITAT. 23 CAPTURES (100 TN), 21 JUN 1999, IN PICKLEWEED HABITAT. 62 ADS/3 JUV CAP, AUG 2002. 61 CAP, SEP 2003. 79 ADS/9 JUVS CAP 28 JUL 2005. 11 CAP (784 TN), 1-4 AUG 2006.

Owner/Manager: DFG-HILL SLOUGH WA

Occurrence No. 168 **Map Index:** 42116 **EO Index:** 42116
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2006-08-22
Site: 2006-08-22
Record Last Updated: 2007-02-14

Quad Summary: Honker Bay (3812118/481C), Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.12877º / -121.90370º
UTM: Zone-10 N4220670 E596084
Area:
Elevation: 0 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 03N
Range: 01E
Section: 06 **Qtr:** SE
Meridian: M

Location: NORTH OF MONTEZUMA SLOUGH AND GRIZZLY ISLAND, SOUTH OF BIRDS LANDING ROAD, WEST OF BIRDS LANDING.

Location Detail: SITE TRAPPED IN 1999 IS WITHIN THE CHEVRON PIPELINE CORRIDOR. SITE WAS PURCHASED BY DWR FOR TIDAL RESTORATION AND IS CURRENTLY LEASED BACK FOR MANAGEMENT AS A DUCK CLUB.

Ecological: A DIKED FIELD VEGETATED BY SALTMARSH VEGETATION. EXCLUSION ZONES DOMINATED BY SALICORNIA VIRGINICA, SCIRPUS SP, JUNCUS SP, ATRIPLEX TRIANGULARIS, AND DISTICHLIS SPICATA. LARGER, MORE VIGOROUS STANDS OF PICKLEWEED OUTSIDE PIPELINE CORRIDOR.

Threat: THREATENED BY REPAIR/MAINTENANCE OF AN EXISTING CHEVRON PIPELINE.

General: 4 ADULTS AND 3 JUVENILES WERE TRAPPED, 19-25 JUL 1999. TWO AREAS WERE SURVEYED FOR SMHM; 7 CAPTURES ON 22 AUG 2006.

Owner/Manager: DWR/DFG

Reithrodontomys raviventris

salt-marsh harvest mouse

Element Code: AMAFF02040

Status
Federal: Endangered
State: Endangered

NDDB Element Ranks
Global: G1G2
State: S1S2

Other Lists
CDFG Status:

Habitat Associations
General: ONLY IN THE SALINE EMERGENT WETLANDS OF SAN FRANCISCO BAY AND ITS TRIBUTARIES.
Micro: PICKLEWEED IS PRIMARY HABITAT. DO NOT BURROW, BUILD LOOSELY ORGANIZED NESTS. REQUIRE HIGHER AREAS FOR FLOOD ESCAPE.

Occurrence No. 170 **Map Index:** 54417 **EO Index:** 54417
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2001-08-XX
Site: 2001-08-XX
Record Last Updated: 2004-02-11

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.17296º / -121.96769º
UTM: Zone-10 N4225509 E590421
Area:
Elevation: 0 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 22 **Qtr:** XX
Meridian: M

Location: NW OF THE FROST SLOUGH CONFLUENCE WITH MONTEZUMA SLOUGH, GRIZZLY ISLAND WILDLIFE AREA, SE OF SUISUN CITY

Location Detail: POND 4, ISLAND SLOUGH UNIT

Ecological: HABITAT CONSISTS OF A MANAGED WETLAND, DOMINATED BY SESUVIUM VERRUCOSUM, COTULA CORONOPIFLIA, SOME PICKLEWEED, AND GRASSES. SURROUNDING AREA MANAGED FOR WATERFOWL HUNTING AND FISHING.

Threat: POSSIBLE THREAT FROM HUMAN RECREATIONAL USE AND NON-NATIVE PREDATORS.

General: 7 TOTAL CAPTURES (INCLUDING 3 RECAPTURES) IN 399 TRAPNIGHTS, ON 7 AUG 2000. 12 ADULTS CAPTURED DURING AUG 2001.

Owner/Manager: DFG-GRIZZLY ISLAND WA

Occurrence No. 171 **Map Index:** 54421 **EO Index:** 54421
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2002-08-12
Site: 2002-08-12
Record Last Updated: 2004-05-12

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.16917º / -121.97845º
UTM: Zone-10 N4225079 E589483
Area:
Elevation: 0 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 28 **Qtr:** XX
Meridian: M

Location: EAST SIDE OF ISLAND SLOUGH, GRIZZLY ISLAND WILDLIFE AREA, SE OF SUISUN CITY

Location Detail: POND 7, ISLAND SLOUGH UNIT

Ecological: HABITAT CONSISTS OF A MANAGED WETLAND, DOMINATED BY SESUVIUM VERRUCOSUM, DISTICHLIS SPICATA, AND UPLAND HERBS, SUCH AS ASTER SUBULATUS VAR LINGULATUS, LACTUCA SERRIOLA, AND LOTUS CORNICULATUS. SURROUNDING AREA MANAGED FOR WATERFOWL HUNTING.

General: 12 ADULTS AND 2 JUVENILES CAPTURED DURING AUG 2001. 17 ADULTS CAPTURED 0N 12 AUG 2002.

Owner/Manager: DFG-GRIZZLY ISLAND WA

Occurrence No. 176 **Map Index:** 59291 **EO Index:** 59327
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-31
Site: 2005-08-31
Record Last Updated: 2008-04-07

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.17873º / -121.91102º
UTM: Zone-10 N4226206 E595377
Area: 52.1 acres
Elevation: 4 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01E
Section: 19 **Qtr:** XX
Meridian: M

Location: BLACKLOCK PROPERTY, NORTHEASTERN SUISUN MARSH, JUST SOUTHEAST OF LITTLE HONKER BAY.

Location Detail: SMHM CONSERVATION AREA WHICH IS SLATED FOR RETURN TO TIDAL WETLAND. GRAZING LANDS FOUND TO THE NORTH AND EAST.

Ecological: HABITAT CONSISTS OF A DIKED WETLAND CONTAINING SEVERAL MICROHABITATS; NE GRID DOMINATED BY SALTGRASS AND FAT HEN, WITH TULES, CATTAILS, AND PHRAGMITES ON THE EDGES; SOUTHERN GRIDS CONTAINED MOSTLY PICKLEWEED, BUT WITH AREAS OF BARE GROUND.

General: 105 TRAPS SET, 10-13 SEP 2003; 10 SMHM CAPTURES. 8 TRAP GRIDS SET DURING AUG 2004; 6 CAPTURES/3 RECAPS. 6 TRAP GRIDS SET 31 AUG 2005; 3 SMHM CAPTURED AT 3 GRIDS. THIS SITE IS EXPECTED TO BE RETURNED TO TIDAL ACTION IN 2006.

Owner/Manager: DWR

Reithrodontomys raviventris

salt-marsh harvest mouse

Element Code: AMAFF02040

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	**Global:** G1G2	**CDFG Status:**
State: Endangered	**State:** S1S2	

Habitat Associations

General: ONLY IN THE SALINE EMERGENT WETLANDS OF SAN FRANCISCO BAY AND ITS TRIBUTARIES.

Micro: PICKLEWEED IS PRIMARY HABITAT. DO NOT BURROW, BUILD LOOSELY ORGANIZED NESTS. REQUIRE HIGHER AREAS FOR FLOOD ESCAPE.

Saldula usingeri

Wilbur Springs shorebug

Element Code: IIHEM07010

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S1

Other Lists
CDFG Status:

Habitat Associations
General: REQUIRES SPRINGS/CREEKS WITH HIGH CONCENTRATIONS OF NA, CL, & LI.
Micro: FOUND ONLY ON WET SUBSTRATE OF SPRING OUTFLOWS.

Occurrence No. 4 **Map Index:** 58328 **EO Index:** 58364

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: XXXX-XX-XX
Site: XXXX-XX-XX

Record Last Updated: 2004-12-06

Quad Summary: Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.30943º / -122.05413º
UTM: Zone-10 N4240572 E582695
Radius: 1/10 mile
Elevation: 680 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 05N
Range: 02W
Section: 02 **Qtr:** XX
Meridian: M

Location: TOLENAS SPRINGS.

Ecological: NA = 6,110 PPM; CL = 7,740 PPM; LI = 9.9 PPM.

General: UNKNOWN NUMBER OBSERVED/COLLECTED. COLLECTIONS MADE SOMETIME BETWEEN 1979 & 1983.

Owner/Manager: UNKNOWN

Sorex ornatus sinuosus

Suisun shrew

Element Code: AMABA01103

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T1
State: S1

Other Lists
CDFG Status: SC

Habitat Associations
General: TIDAL MARSHES OF THE NORTHERN SHORES OF SAN PABLO AND SUISUN BAYS.
Micro: REQUIRE DENSE LOW-LYING COVER AND DRIFTWEED AND OTHER LITTER ABOVE THE MEAN HIGHTIDE LINE FOR NESTING AND FORAGING.

Occurrence No. 1 **Map Index:** 10014 **EO Index:** 24374
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1983-07-17
Site: 1983-07-17
Record Last Updated: 1989-08-10

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.15463º / -121.97496º
UTM: Zone-10 N4223468 E589807
Radius: 1 mile
Elevation:
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 04N
Range: 01W
Section: 33 **Qtr:** XX
Meridian: M

Location: GRIZZLY ISLAND, NEAR DFG HEADQUARTERS.

General: ONE SHREW FOUND DOR. NUMEROUS MVZ SPECIMENS FROM GRIZZLY ISLAND FROM 1911, 1912, 1914, 1923, 1949, 1970 & 1971. EXTENSIVE TRAPPING ON GRIZZLY ISLAND IN 1983 BY WILLIAMS WAS UNSUCCESSFUL FOR S. O. SINUOSUS.

Owner/Manager: DFG-GRIZZLY ISLAND WA

Occurrence No. 5 **Map Index:** 09762 **EO Index:** 6957
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1952-02-08
Site: 1952-02-08
Record Last Updated: 1989-08-10

Quad Summary: Fairfield South (3812221/482A), Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.23699º / -122.05303º
UTM: Zone-10 N4232534 E582873
Radius: 1 mile
Elevation: 5 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 02W
Section: 35 **Qtr:** XX
Meridian: M

Location: SUISUN CITY SALT MARSH, ADJ TO CORDELIA ST.

General: MVZ #115592-115595.

Owner/Manager: PVT

Occurrence No. 6 **Map Index:** 09538 **EO Index:** 24368
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1952-02-08
Site: 1952-02-08
Record Last Updated: 1989-08-10

Quad Summary: Cordelia (3812222/482B), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.21157º / -122.12692º
UTM: Zone-10 N4229650 E576433
Radius: 1 mile
Elevation: 20 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 04N
Range: 02W
Section: 7 **Qtr:** XX
Meridian: M

Location: 0.5 MI NE OF CORDELIA SALT MARSH.

General: FIVE MVZ SPECIMENS FROM 1951 & 1952. MVZ #115558 - 115561 & 115587. ALSO UCLA #E547.

Owner/Manager: UNKNOWN

Sorex ornatus sinuosus

Suisun shrew

Element Code: AMABA01103

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T1
State: S1

Other Lists
CDFG Status: SC

Habitat Associations
General: TIDAL MARSHES OF THE NORTHERN SHORES OF SAN PABLO AND SUISUN BAYS.
Micro: REQUIRE DENSE LOW-LYING COVER AND DRIFTWEED AND OTHER LITTER ABOVE THE MEAN HIGHTIDE LINE FOR NESTING AND FORAGING.

Occurrence No. 14 **Map Index:** 58660 **EO Index:** 58696
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-XX-XX
Site: 1990-XX-XX
Record Last Updated: 2004-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19264º / -122.01669º
UTM: Zone-10 N4227647 E586106
Area:
Elevation: 9 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01W
Section: 18 **Qtr:** XX
Meridian: M

Location: RUSH RANCH, NORTH OF CUTOFF SLOUGH.
Ecological: TIDAL MARSH
General: UNKNOWN NUMBER CAPTURED BY HAYS AT 3 SITES NORTH OF CUTOFF SLOUGH FOR A MASTERS THESIS PROJECT AT UCB.
Owner/Manager: SOLANO LAND TRUST

Occurrence No. 15 **Map Index:** 09779 **EO Index:** 58700
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1986-XX-XX
Site: 1986-XX-XX
Record Last Updated: 2004-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19685º / -122.03996º
UTM: Zone-10 N4228092 E584063
Radius: 1/5 mile
Elevation: 3 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 04N
Range: 02W
Section: XX **Qtr:** XX
Meridian: M

Location: EAST SIDE OF SUISUN SLOUGH, APPROXIMATELY 3 MILES SOUTH OF FAIRFIELD.
Ecological: HABITAT CONSISTS OF DIKED MARSH DOMINATED BY SALICORNIA WITH LESSER AMOUNTS OF DISTICHLIS.
General: UNKNOWN NUMBER TRAPPED BY WESCO IN 1986.
Owner/Manager: DFG-GRIZZLY ISLAND WA

Occurrence No. 16 **Map Index:** 58665 **EO Index:** 58701
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1986-XX-XX
Site: 1986-XX-XX
Record Last Updated: 2004-12-15

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.18472º / -122.05050º
UTM: Zone-10 N4226737 E583154
Radius: 1/5 mile
Elevation: 9 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 04N
Range: 02W
Section: 23 **Qtr:** XX
Meridian: M

Location: VOLANTI DUCK CLUB EAST OF SUISUN SLOUGH AND NORTH OF VOLANTI SLOUGH.
General: UNKNOWN NUMBER TRAPPED BY WESCO IN 1986.
Owner/Manager: DFG-GRIZZLY ISLAND WA

Symphyotrichum lentum

Suisun Marsh aster

Element Code: PDASTE8470

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: MARSHES AND SWAMPS (BRACKISH AND FRESHWATER).
Micro: MOST OFTEN SEEN ALONG SLOUGHS WITH PHRAGMITES, SCIRPUS, BLACKBERRY, TYPHA, ETC. 0-3M.

Occurrence No. 9 **Map Index:** 09843 **EO Index:** 17227

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2000-09-12
Site: 2000-09-12
Record Last Updated: 2007-12-27

Quad Summary: Fairfield South (3812221/482A), Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.21736º / -122.03272º
UTM: Zone-10 N4230375 E584673
Area: 1,558.0 acres
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02W
Section: 01
Qtr: XX
Meridian: M

Location: N END OF SUISUN SLOUGH INCLUDING SIDE CREEKS AND SLOUGHS, FROM SUISUN CITY S TO CUTOFF SLOUGH.

Location Detail: NUMEROUS COLONIES MAPPED ALONG MUCH OF HILL SLOUGH, PEYTONIA SLOUGH, BOYNTON SLOUGH, AND SHELDRAKE SLOUGH.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

Threat: SOME BICYCLE AND FOOT TRAFFIC THROUGH AREA.

General: MAIN SOURCE FOR SITE IS MAP DETAIL FROM DWR REPORT (1994). INCLUDES FORMER OCCURRENCES #10, 11, 22, 99, & 100. SEEN IN 2000 NEAR TIDAL SLOUGHS.

Owner/Manager: UNKNOWN

Occurrence No. 14 **Map Index:** 09708 **EO Index:** 27150

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 2007-12-03

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.16223º / -122.06192º
UTM: Zone-10 N4224231 E582179
Area: 220.0 acres
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02W
Section: 26
Qtr: NW
Meridian: M

Location: ALONG SUISUN SLOUGH FROM JUST E OF WELLS SLOUGH S PAST ROOS CUT, W OF JOYCE (JOICE) ISLAND.

Location Detail: SEVERAL COLONIES MAPPED MOSTLY ALONG THE W SHORE OF SUISUN SLOUGH AND ABOUT 0.25 MILE UP ROOS CUT. FEW PLANTS NOTED ON MARSHY LAND ON LAND SIDE OF LEVEE, MOSTLY ASSOCIATED WITH BOAT DITCH.

Ecological: SCATTERED GROUPS OF PLANTS FOR AT LEAST 0.5 MILE. AMONG TYPHA AND SCIRPUS AT EDGE OF SUISUN SLOUGH. WITH LEPIDIUM LATIPES, SOLIDAGO, LATHYRUS JEPSONII SSP. JEPSONII.

Threat: INTAKE/DRAINAGE STRUCTURE WILL BE BUILT IN EXISTING CUT IN A MANNER WHICH AVOIDS IMPACTING S. LENTUM.

General: HUNDREDS OF PLANTS OBSERVED BY LACEY IN 1986 IN A PORTION OF THIS OCCURRENCE. INCLUDES FORMER OCCURRENCE #103.

Owner/Manager: UNKNOWN

Symphyotrichum lentum

Suisun Marsh aster

Element Code: PDASTE8470

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: MARSHES AND SWAMPS (BRACKISH AND FRESHWATER).
Micro: MOST OFTEN SEEN ALONG SLOUGHS WITH PHRAGMITES, SCIRPUS, BLACKBERRY, TYPHA, ETC. 0-3M.

Occurrence No. 28 **Map Index:** 21622 **EO Index:** 6309

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-07-XX
Site: 1994-07-XX
Record Last Updated: 2007-12-04

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.26221º / -121.77834º
UTM: Zone-10 N4235614 E606877
Area: 82.0 acres
Elevation: 0 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 05N
Range: 02E
Section: 20 **Qtr:** XX
Meridian: M

Location: BARKER SLOUGH, INCLUDING PORTIONS OF LINDSEY SLOUGH AND CALHOUN CUT.

Location Detail: MAPPED AS MULTIPLE POLYGONS AT CNDDB ACCORDING TO A 1988 ECOS MAP AND TWO 1994 FIELD SURVEY FORMS.

Ecological: TIDAL ZONE. USUALLY IN RELATIVELY DENSE STREAMSIDE HERBACEOUS VEGETATION ON THE LIP OF CUTBANKS; OFTEN HANGING OVER THE WATER. GROWING WITH LATHYRUS JEPSONII JEPSONII, LIMOSELLA SUBULATA, AND LILAEOPSIS MASONII.

Threat: ROCK REVETMENT (RIP-RAPPING) THREATENS PART OF THIS SITE.

General: 130+ PLANTS OBSERVED IN 1994 BY WITHAM AND KAREOFELAS. POPULATIONS USUALLY CONSIST OF ONLY A FEW PLANTS. PORTIONS OF POPULATION WERE TRANSPLANTED IN RESPONSE TO A REVETMENT PROJECT ALONG BARKER SLOUGH. INCLUDES FORMER OCCURRENCE #12.

Owner/Manager: BOR, DWR, DFG

Occurrence No. 29 **Map Index:** 21627 **EO Index:** 14101

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-04-10
Site: 1990-04-10
Record Last Updated: 2005-09-09

Quad Summary: Rio Vista (3812126/480B)
County Summary: Sacramento

Lat/Long: 38.16117º / -121.67378º
UTM: Zone-10 N4224528 E616185
Area:
Elevation: 5 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 04N
Range: 03E
Section: 29 **Qtr:** XX
Meridian: M

Location: BRANNAN ISLAND, 0.5 MILE NORTH OF RIO VISTA BRIDGE ALONG STATE ROUTE 160.

Ecological: GROWING ON SEDIMENTS AND FINES DEPOSITED ON SUBSIDED RIPRAP. ASSOCIATES INCLUDE SCIRPUS CALIFORNICUS, VERBENA BONARIENSIS, LILAEOPSIS MASONII, JUNCUS, AND MIMULUS.

Threat: LEVEE MAINTENANCE THREATENS THE SITE.

General: 30 PLANTS SEEN IN 1990. MANAGED BY BRANNON-ANDRUS LEVEE MAINTENANCE DISTRICT. 1891 JEPSON COLLECTION FROM "RIO VISTA" ATTRIBUTED HERE.

Owner/Manager: PVT, BRANNON-ANDRUS LEVEE DIST

Symphyotrichum lentum

Suisun Marsh aster

Element Code: PDASTE8470

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: MARSHES AND SWAMPS (BRACKISH AND FRESHWATER).
Micro: MOST OFTEN SEEN ALONG SLOUGHS WITH PHRAGMITES, SCIRPUS, BLACKBERRY, TYPHA, ETC. 0-3M.

Occurrence No. 50 **Map Index:** 10855 **EO Index:** 7762

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1990-07-26
Site: 1990-07-26
Record Last Updated: 1993-06-02

Quad Summary: Rio Vista (3812126/480B)
County Summary: Sacramento

Lat/Long: 38.13517º / -121.68693º
UTM: Zone-10 N4221627 E615074
Radius: 80 meters
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POINT
Township: 03N
Range: 03E
Section: 6 **Qtr:** XX
Meridian: M

Location: EAST BANK OF SACRAMENTO RIVER, 2.5 KM (1.5 MI) SOUTH OF THE RIO VISTA BRIDGE.

Location Detail: SANDY BEACH 1.5 MILES SOUTH OF JUNCTION OF HWY 160 AND HWY 12 ON THE WEST SHORE OF BRANNON ISLAND.

Ecological: GROWING AMONG LITTORAL VEGETATION IN ASSOCIATION WITH LILAEOPSIS MASONII, LIMOSELLA SUBULATA, MIMULUS, SCIRPUS, JUNCUS, CYPERUS, POLYGONUM, PLANTAGO, CYNODON, HELENIUM, PASPALUM. NEAR SHORE ASSOCIATES INCLUDE ARUNDO, SALIX, AND RUBUS.

Threat: THIS SITE IS THREATENED BY TRAMPLING FROM RECREATIONAL USE.

General: AREA BETWEEN THIS SITE AND BRIDGE UNSURVEYED, ADDITIONAL PLANTS MAY OCCUR.

Owner/Manager: PVT

Occurrence No. 57 **Map Index:** 37566 **EO Index:** 32568

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-07-XX
Site: 1994-07-XX
Record Last Updated: 2007-12-28

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25976º / -121.80309º
UTM: Zone-10 N4235314 E604715
Area: 10.0 acres
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 02E
Section: 19 **Qtr:** SW
Meridian: M

Location: ALONG CALHOUN CUT AND IN ELBOW OF CALHOUN CUT SIDE BRANCH.

Location Detail: MAPPED ACCORDING TO A 1994 WITHAM & KAREOFELAS FIELD SURVEY FORM.

Ecological: USUALLY IN DENSE STREAMSIDE HERBACEOUS VEGETATION ON THE LIP OF CUTBANKS; OFTEN OBSERVED HANGING OUT OVER THE WATER. THE RARE PLANTS LILAEOPSIS MASONII, LATHYRUS JEPSONII JEPSONII AND LIMOSELLA SUBULATA ALSO REPORTED AT THIS SITE.

General: 2 COLONIES REPORTED IN 1994 WITH MORE THAN 100 PLANTS IN EACH. POPULATION ALONG MARSH EDGE AND MANY PLANTS STREAMSIDE ARE SOMEWHAT PUBESCENT AND MAY BE INTERGRADES WITH S. CHILENSE (ASTER CHILENSIS). INCLUDES FORMER OCCURRENCE #58.

Owner/Manager: DFG-CALHOUN CUT ER

Occurrence No. 87 **Map Index:** 37600 **EO Index:** 32602

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 1997-11-12

Quad Summary: Vine Hill (3812211/482D), Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.12589º / -122.06173º
UTM: Zone-10 N4220198 E582237
Area:
Elevation: 0 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 03N
Range: 02W
Section: 11 **Qtr:** XX
Meridian: X

Location: SOUTH END OF JOICE ISLAND, ALONG MOUTH OF SUISUN SLOUGH AND GRIZZLY BAY.

Location Detail: SEVERAL COLONIES MAPPED ALONG APPROXIMATELY 1 MILE OF THE SHORELINE.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).

Owner/Manager: UNKNOWN

Symphyotrichum lentum

Suisun Marsh aster

Element Code: PDASTE8470

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: MARSHES AND SWAMPS (BRACKISH AND FRESHWATER).
Micro: MOST OFTEN SEEN ALONG SLOUGHS WITH PHRAGMITES, SCIRPUS, BLACKBERRY, TYPHA, ETC. 0-3M.

Occurrence No. 88 **Map Index:** 37601 **EO Index:** 32603

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 1997-11-12

Quad Summary: Denverton (3812128/481B), Honker Bay (3812118/481C)
County Summary: Solano

Lat/Long: 38.12608º / -121.88995º
UTM: Zone-10 N4220386 E597293
Radius: 1/10 mile
Elevation: 0 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 03N
Range: 01E
Section: 05 **Qtr:** XX
Meridian: M

Location: ALONG THE NORTHEAST SIDE OF MONTEZUMA SLOUGH OPPOSITE GRIZZLY ISLAND, ABOUT 0.6 MILE WEST OF MOLENA.

Location Detail: ONE COLONY MAPPED.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).

Owner/Manager: UNKNOWN

Occurrence No. 89 **Map Index:** 37602 **EO Index:** 32604

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 1997-11-12

Quad Summary: Honker Bay (3812118/481C), Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.12508º / -121.91551º
UTM: Zone-10 N4220248 E595054
Area:
Elevation: 0 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 03N
Range: 01W
Section: 12 **Qtr:** XX
Meridian: M

Location: EAST SIDE OF GRIZZLY ISLAND ALONG MONTEZUMA SLOUGH, ABOUT 2.1 MILES WEST OF MOLENA.

Location Detail: TWO COLONIES MAPPED.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).

Owner/Manager: UNKNOWN

Occurrence No. 90 **Map Index:** 37604 **EO Index:** 32606

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 1997-11-12

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.13525º / -121.91468º
UTM: Zone-10 N4221378 E595114
Radius: 1/10 mile
Elevation: 0 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 03N
Range: 01E
Section: 06 **Qtr:** XX
Meridian: M

Location: EAST SIDE OF GRIZZLY ISLAND ALONG MONTEZUMA SLOUGH, ABOUT 2.1 MILES WNW OF MOLENA.

Location Detail: ONE COLONY MAPPED.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).

Owner/Manager: UNKNOWN

Symphyotrichum lentum

Suisun Marsh aster

Element Code: PDASTE8470

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: MARSHES AND SWAMPS (BRACKISH AND FRESHWATER).
Micro: MOST OFTEN SEEN ALONG SLOUGHS WITH PHRAGMITES, SCIRPUS, BLACKBERRY, TYPHA, ETC. 0-3M.

Occurrence No. 91 **Map Index:** 37605 **EO Index:** 32607

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 1997-11-12

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.14810º / -121.90909º
UTM: Zone-10 N4222809 E595587
Area:
Elevation: 0 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01E
Section: 31 **Qtr:** XX
Meridian: M

Location: ALONG MONTEZUMA SLOUGH AND UNNAMED SIDE SLOUGH SOUTH OF KIRBY HILL.

Location Detail: EIGHT COLONIES MAPPED AS ONE POLYGON AT CNDDB.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).

Owner/Manager: UNKNOWN

Occurrence No. 92 **Map Index:** 37606 **EO Index:** 32608

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-08-23

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.16801º / -121.93248º
UTM: Zone-10 N4224995 E593512
Area: 6.5 acres
Elevation: 0 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 25 **Qtr:** XX
Meridian: M

Location: NE END OF GRIZZLY ISLAND, BOTH SIDES OF MONTEZUMA SLOUGH JUST SOUTH OF CONFLUENCE WITH NURSE SLOUGH, SUISUN MARSH.

Location Detail: TWO COLONIES MAPPED.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT (1994). ADDITIONAL INFO FROM 1999 MAP BY THE STATE LANDS COMMISSION.

Owner/Manager: UNKNOWN

Occurrence No. 93 **Map Index:** 37607 **EO Index:** 32609

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 1997-11-12

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.18452º / -121.90220º
UTM: Zone-10 N4226857 E596143
Radius: 1/10 mile
Elevation: 0 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 04N
Range: 01E
Section: 18 **Qtr:** XX
Meridian: M

Location: EAST OF BRADMOOR ISLAND ALONG UNNAMED SLOUGH EAST OF LITTLE HONKER BAY, ABOUT 1 MILE WEST OF GARFIELD.

Location Detail: ONE COLONY MAPPED.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).

Owner/Manager: UNKNOWN

Symphyotrichum lentum

Suisun Marsh aster

Element Code: PDASTE8470

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: MARSHES AND SWAMPS (BRACKISH AND FRESHWATER).
Micro: MOST OFTEN SEEN ALONG SLOUGHS WITH PHRAGMITES, SCIRPUS, BLACKBERRY, TYPHA, ETC. 0-3M.

Occurrence No. 94 **Map Index:** 37608 **EO Index:** 32610

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 1997-11-12

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.21611º / -121.90525º
UTM: Zone-10 N4230360 E595834
Area:
Elevation: 0 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 04N
Range: 01E
Section: 07 **Qtr:** XX
Meridian: M

Location: DENVERTON SLOUGH, FROM MOUTH NORTH ABOUT 2 MILES.

Location Detail: SEVERAL COLONIES MAPPED ALONG THE LENGTH OF THE SLOUGH.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).

Owner/Manager: UNKNOWN

Occurrence No. 95 **Map Index:** 37609 **EO Index:** 32611

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 1997-11-12

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.20383º / -121.92229º
UTM: Zone-10 N4228979 E594359
Area:
Elevation: 0 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 04N
Range: 01W
Section: 12 **Qtr:** XX
Meridian: M

Location: CONFLUENCE OF MONTEZUMA SLOUGH AND LUCO SLOUGH, NORTH OF BRADMOOR ISLAND.

Location Detail: TWO COLONIES MAPPED AS ONE POLYGON AT CNDDB.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).

Owner/Manager: UNKNOWN

Occurrence No. 96 **Map Index:** 37610 **EO Index:** 32612

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 1997-11-12

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.21225º / -121.92390º
UTM: Zone-10 N4229912 E594207
Area:
Elevation: 0 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 04N
Range: 01W
Section: 12 **Qtr:** XX
Meridian: M

Location: UPPER LUCO SLOUGH, NORTH OF BRADMOOR ISLAND AND NORTHEAST OF LUCO HILL.

Location Detail: SIX COLONIES MAPPED OVER APPROXIMATELY 0.5 MILE OF THE SLOUGH AS ONE POLYGON AT CNDDB.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).

Owner/Manager: UNKNOWN

Symphyotrichum lentum

Suisun Marsh aster

Element Code: PDASTE8470

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: MARSHES AND SWAMPS (BRACKISH AND FRESHWATER).
Micro: MOST OFTEN SEEN ALONG SLOUGHS WITH PHRAGMITES, SCIRPUS, BLACKBERRY, TYPHA, ETC. 0-3M.

Occurrence No. 97 **Map Index:** 37611 **EO Index:** 32613

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 1997-11-12

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.17811º / -121.96256º
UTM: Zone-10 N4226085 E590864
Area:
Elevation: 0 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 22 **Qtr:** XX
Meridian: M

Location: ALONG MONTEZUMA SLOUGH BETWEEN FROST SLOUGH AND BELDONS LANDING, SUISUN MARSH.

Location Detail: NUMEROUS COLONIES MAPPED OVER APPROXIMATELY 2 MILES OF THE SLOUGH.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994). PORTION REVISITED IN 1999 (STATE LANDS COMISSION).

Owner/Manager: UNKNOWN

Occurrence No. 98 **Map Index:** 37612 **EO Index:** 32614

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 1997-11-12

Quad Summary: Fairfield South (3812221/482A), Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.19115º / -121.99275º
UTM: Zone-10 N4227503 E588204
Area:
Elevation: 0 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 01W
Section: 17 **Qtr:** XX
Meridian: M

Location: ALONG CUTOFF SLOUGH AT THE NORTHEAST END OF JOICE ISLAND, NORTH OF GRIZZLY ISLAND.

Location Detail: NUMEROUS COLONIES MAPPED OVER APPROXIMATELY 1.2 MILES OF THE SLOUGH IN TWO POLYGONS AT CNDDB.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).

Owner/Manager: UNKNOWN

Occurrence No. 101 **Map Index:** 37617 **EO Index:** 32619

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 1997-11-13

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.17879º / -122.05867º
UTM: Zone-10 N4226071 E582446
Area:
Elevation: 0 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POLYGON
Township: 04N
Range: 02W
Section: 23 **Qtr:** XX
Meridian: M

Location: WEST SIDE OF SUISUN SLOUGH BETWEEN NAVY POINT AND WELLS SLOUGH.

Location Detail: THREE COLONIES MAPPED.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).

Owner/Manager: UNKNOWN

Symphyotrichum lentum

Suisun Marsh aster

Element Code: PDASTE8470

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: MARSHES AND SWAMPS (BRACKISH AND FRESHWATER).
Micro: MOST OFTEN SEEN ALONG SLOUGHS WITH PHRAGMITES, SCIRPUS, BLACKBERRY, TYPHA, ETC. 0-3M.

Occurrence No. 102 **Map Index:** 37618 **EO Index:** 32620

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 1997-11-13

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.19149º / -122.06710º
UTM: Zone-10 N4227473 E581693
Area:
Elevation: 0 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02W
Section: 15 **Qtr:** XX
Meridian: M

Location: WEST OF SUISUN SLOUGH ALONG UPPER REACHES OF WELLS SLOUGH, NEAR THE SPRR TRACKS.

Location Detail: TWO COLONIES MAPPED JUST EAST OF JACKSNIPE.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).

Owner/Manager: UNKNOWN

Occurrence No. 104 **Map Index:** 37621 **EO Index:** 32623

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 2007-12-26

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.17253º / -122.10282º
UTM: Zone-10 N4225338 E578585
Area: 1,278.0 acres
Elevation: 0 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 02W
Section: 20 **Qtr:** XX
Meridian: M

Location: WEST SIDE OF SUISUN MARSH; ALONG CORDELIA SLOUGH, FRANK HORAN SLOUGH, CHADBORNE SLOUGH AND SUISUN CREEK.

Location Detail: NUMEROUS COLONIES MAPPED ALONG SLOUGHS AND CHANNELS; OCCURRENCE MAPPED MOSTLY BETWEEN I-680 AND ABOUT 1 MILE DOWNSTREAM OF CYGNUS.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994). INCLUDES FORMER OCCURRENCE #105.

Owner/Manager: UNKNOWN

Occurrence No. 106 **Map Index:** 37623 **EO Index:** 32625

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 1997-11-13

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.13788º / -122.06216º
UTM: Zone-10 N4221528 E582186
Radius: 1/10 mile
Elevation: 0 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 03N
Range: 02W
Section: 02 **Qtr:** XX
Meridian: M

Location: ALONG WEST SIDE OF MONTEZUMA SLOUGH NEAR CONFLUENCE WITH GRIZZLY BAY.

Location Detail: ONE COLONY MAPPED.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).

Owner/Manager: UNKNOWN

Symphyotrichum lentum

Suisun Marsh aster

Element Code: PDASTE8470

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: MARSHES AND SWAMPS (BRACKISH AND FRESHWATER).
Micro: MOST OFTEN SEEN ALONG SLOUGHS WITH PHRAGMITES, SCIRPUS, BLACKBERRY, TYPHA, ETC. 0-3M.

Occurrence No. 107 **Map Index:** 37624 **EO Index:** 32626

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1993-10-XX
Site: 1993-10-XX
Record Last Updated: 1997-11-13

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.13573º / -122.08298º
UTM: Zone-10 N4221272 E580364
Area:
Elevation: 0 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POLYGON

Township: 03N
Range: 02W
Section: 03 **Qtr:** XX
Meridian: M

Location: ALONG GOODYEAR SLOUGH AND ADJACENT SECTION OF SUISUN SLOUGH FROM CONFLUENCE UPSTREAM ABOUT 1 MILE.

Location Detail: SEVERAL COLONIES MAPPED ALONG ABOUT 1 MILE OF GOODYEAR SLOUGH AND 1 MILE OF SUISUN SLOUGH.

Ecological: BRACKISH SLOUGHS AND RIVERBANKS AFFECTED BY TIDAL FLUCTUATIONS. ASSOCIATED WITH SCIRPUS, TYPHA, AND JUNCUS.

General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL PROVIDED BY DWR REPORT "SUMMARY OF SENSITIVE PLANT AND WILDLIFE RESOURCES IN SUISUN MARSH DURING WATER YEARS 1984-1994" (1994).

Owner/Manager: UNKNOWN

Occurrence No. 108 **Map Index:** 41561 **EO Index:** 41561

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1991-07-XX
Site: 1991-07-XX
Record Last Updated: 1999-09-03

Quad Summary: Fairfield South (3812221/482A)
County Summary: Solano

Lat/Long: 38.21205º / -122.07268º
UTM: Zone-10 N4229749 E581182
Area: 2.8 acres
Elevation: 3 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 04N
Range: 02W
Section: 10 **Qtr:** XX
Meridian: M

Location: ABOUT 1.2 AIRMILES SSE OF SUBEET RR STOP; ABOUT 3 AIRMILES SOUTHWEST OF FAIRFIELD.

Location Detail: JUST NORTH OF LEVEE ROAD. TWO COLONIES MAPPED.

General: ONLY SOURCE FOR THIS INFORMATION IS MAP FROM 1991 SURVEY BY ALLEN.

Owner/Manager: UNKNOWN

Occurrence No. 109 **Map Index:** 43596 **EO Index:** 43596

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-08-23

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.17316º / -121.92571º
UTM: Zone-10 N4225573 E594098
Area: 2.9 acres
Elevation: 5 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 04N
Range: 01W
Section: 24 **Qtr:** XX
Meridian: M

Location: NORTH OF KIRBY HILL, ALONG SOUTH SIDE OF NURSE SLOUGH BETWEEN LITTLE HONKER BAY AND MONTEZUMA SLOUGH, SUISUN MARSH.

Location Detail: SINGLE COLONY MAPPED JUST WEST OF PIPELINE AREA.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL BY THE STATE LANDS COMISSION (1999).

Owner/Manager: UNKNOWN

Symphyotrichum lentum

Suisun Marsh aster

Element Code: PDASTE8470

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations
General: MARSHES AND SWAMPS (BRACKISH AND FRESHWATER).
Micro: MOST OFTEN SEEN ALONG SLOUGHS WITH PHRAGMITES, SCIRPUS, BLACKBERRY, TYPHA, ETC. 0-3M.

Occurrence No. 110 **Map Index:** 43597 **EO Index:** 43597
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1999-XX-XX
Site: 1999-XX-XX
Record Last Updated: 2000-08-23

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.18049º / -121.91963º
UTM: Zone-10 N4226392 E594621
Area: 8.7 acres
Elevation: 5 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 04N
Range: 01W
Section: 24 **Qtr:** XX
Meridian: M

Location: NORTH OF KIRBY HILL, ALONG NORTH AND SOUTH SIDES OF LITTLE HONKER BAY AND ADJACENT NURSE SLOUGH, SUISUN MARSH.
Location Detail: FIVE COLONIES MAPPED IN VICINITY OF HONKER BAY.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS MAP DETAIL BY THE STATE LANDS COMISSION (1999).
Owner/Manager: UNKNOWN

Thamnophis gigas

giant garter snake

Element Code: ARADB36150

Status
Federal: Threatened
State: Threatened

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status:

Habitat Associations
General: PREFERS FRESHWATER MARSH AND LOW GRADIENT STREAMS. HAS ADAPTED TO DRAINAGE CANALS & IRRIGATION DITCHES.
Micro: THIS IS THE MOST AQUATIC OF THE GARTER SNAKES IN CALIFORNIA.

Occurrence No. 79 **Map Index:** 10758 **EO Index:** 27547
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1987-09-21
Site: 1987-09-21
Record Last Updated: 1995-08-10

Quad Summary: Liberty Island (3812136/497C)
County Summary: Solano

Lat/Long: 38.35740º / -121.74024º
UTM: Zone-10 N4246221 E610066
Radius: 1/5 mile
Elevation: 15 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 22 **Qtr:** NE
Meridian: M

Location: CANAL CROSSING SWAN RD, 2.5 MI W OF SOLANO/YOLO COUNTY LINE.
Location Detail: SURROUNDED BY LIVESTOCK PASTURES.
Ecological: 20 FT WIDE CANAL CONTAINED WITHIN LEVEES; CATTAIL/TULE MARGINS, SOME YELLOW WATERWEED IN CHANNEL, ANNUAL GRASSES AND THISTLES ON BANKS.
General: ONE ADULT OBSERVED.
Owner/Manager: UNKNOWN

Occurrence No. 82 **Map Index:** 10820 **EO Index:** 13284
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1994-XX-XX
Site: 1994-XX-XX
Record Last Updated: 2006-05-04

Quad Summary: Liberty Island (3812136/497C)
County Summary: Solano

Lat/Long: 38.33934º / -121.71301º
UTM: Zone-10 N4244250 E612473
Radius: 1/5 mile
Elevation: 10 ft
Mapping Precision NON-SPECIFIC
Symbol Type: POINT
Township: 06N
Range: 02E
Section: 26 **Qtr:** NE
Meridian: M

Location: LIBERTY ISLAND, ROAD, 1.3 MILES SOUTH OF THE SWAN ROAD INTERSECTION, 9 MILES SE OF DIXON
Ecological: HABITAT CONSISTS OF AN AGRICULTURAL CANAL WITH TULE AND CATTAIL MARGINS. SITE IS FAIR ACCORDING TO HANSEN.
Threat: SURROUNDED BY PASTURES USED FOR GRAZING AND CULTIVATED FIELDS.
General: 1 INDIVIDUAL OBSERVED ON 21 SEP 1987. UNKNOWN NUMBER OBSERVED DURING 1994.
Owner/Manager: PVT

Trifolium amoenum

two-fork clover

Element Code: PDFAB40040

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND, COASTAL BLUFF SCRUB.
Micro: SOMETIMES ON SERPENTINE SOIL, OPEN SUNNY SITES, SWALES. MOST RECENTLY SITED ON ROADSIDE AND ERODING CLIFF FACE. 5-560M.

Occurrence No. 11 **Map Index:** 24739 **EO Index:** 46523
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1892-06-18
Site: 1892-06-18
Record Last Updated: 2001-11-15

Quad Summary: Elmira (3812138/498C), Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.35642º / -121.98869º
UTM: Zone-10 N4245845 E588359
Radius: 1 mile
Elevation: 180 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01W
Section: 20 **Qtr:** XX
Meridian: M

Location: VACAVILLE.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1892 COLLECTION BY JEPSON; NEEDS FIELDWORK.
Owner/Manager: UNKNOWN

Occurrence No. 12 **Map Index:** 23957 **EO Index:** 46520
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1909-05-04
Site: 1909-05-04
Record Last Updated: 2001-11-14

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.35022º / -121.90850º
UTM: Zone-10 N4245237 E595374
Radius: 1 mile
Elevation: 70 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01E
Section: 19 **Qtr:** XX
Meridian: M

Location: ELMIRA.
Ecological: DENSE COLONIES IN RICH SWALES.
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1903 COLLECTION BY BAKER.
Owner/Manager: UNKNOWN

Occurrence No. 13 **Map Index:** 10073 **EO Index:** 12760
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1902-05-23
Site: 1902-05-23
Record Last Updated: 1994-07-07

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28879º / -121.96247º
UTM: Zone-10 N4238367 E590735
Radius: 1 mile
Elevation: 80 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01W
Section: 10 **Qtr:** SW
Meridian: M

Location: NEAR VANDEN STATION (VANDEN STATION =SOUTHERN PACIFIC TRAINSTOP 5 MILES SOUTH OF VACAVILLE).
General: TYPE LOCALITY. SP SEEN IN 1902.
Owner/Manager: UNKNOWN

Trifolium depauperatum var. hydrophilum

saline clover

Element Code: PDFAB400R5

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T2?
State: S2.2?

Other Lists
CNPS List: 1B.2

Habitat Associations
General: MARSHES AND SWAMPS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.
Micro: MESIC, ALKALINE SITES. 0-300M.

Occurrence No. 10 **Map Index:** 49395 **EO Index:** 49395
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1995-04-22
Site: 1995-04-22
Record Last Updated: 2002-11-14

Quad Summary: Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.28099º / -121.98241º
UTM: Zone-10 N4237482 E589001
Area: 25.1 acres
Elevation: 45 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01W
Section: 16 **Qtr:** NW
Meridian: M

Location: 3/4 MILES WEST-SOUTHWEST OF VANDEN STATION, JUNCTION OF PEABODY AND VANDEN ROADS.

Location Detail: GROWING ON THE MARGINS OF POOLS AND ALONG SWALES, S 1/2 OF NW 1/4 SEC 16.

Ecological: IN BOTTOMS OF SHALLOW, ALKALINE VERNAL POOLS; WITH LASTHENIA CONJUGENS, DISTICHLIS SPICATA, COTULA CORONOPIFOLIA.

Threat: POSSIBLY DEVELOPMENT.

General: MORE THAN 500 PLANTS ESTIMATED IN 1995. OTHER VARS PRESENT. PARCEL IS SURROUNDED BY LIGHT INDUSTRY AND HOUSING DEVELOPMENTS. COLLECTION FROM "N OF SP LINE [RAILROAD], S OF CEMENT HILL ROAD" (G. HOLSTEIN SN) ALSO ATTRIBUTED TO THIS LOCATION.

Owner/Manager: PVT

Occurrence No. 12 **Map Index:** 49397 **EO Index:** 49397
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 1960-04-21
Site: 1960-04-21
Record Last Updated: 2002-11-14

Quad Summary: Fairfield North (3812231/499D)
County Summary: Solano

Lat/Long: 38.32807º / -122.01685º
UTM: Zone-10 N4242673 E585932
Radius: 2/5 mile
Elevation: 210 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 06N
Range: 01W
Section: 31 **Qtr:** XX
Meridian: M

Location: 2.3 MILES SOUTHWEST OF VACAVILLE, 5 MILES NORTHEAST OF FAIRFIELD.

Location Detail: ON BORDERS OF SALINE LAGOON AT BOTTOM. MAPPED AS BEST GUESS TO INCLUDE AREA EAST OF VACAVILLE AIRPORT.

General: NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Tuctoria mucronata

Crampton's tuctoria or Solano grass

Element Code: PMPOA6N020

Status
Federal: Endangered
State: Endangered

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.
Micro: CLAY BOTTOMS OF DRYING VERNAL POOLS AND LAKES IN VALLEY GRASSLAND. 5-10M.

Occurrence No. 1 **Map Index:** 24756 **EO Index:** 6795

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Unknown

Dates Last Seen
Element: 1993-07-31
Site: 2000-07-24
Record Last Updated: 2008-01-14

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.27046º / -121.82672º
UTM: Zone-10 N4236474 E602632
Area: 9.2 acres
Elevation: 15 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 23 **Qtr:** NE
Meridian: M

Location: JEPSON PRAIRIE; 12 MI S OF DIXON, OLCOTT LAKE W OF COOK LANE, ALONG ISLAND EDGE NEAR MIDDLE OF LAKE.

Location Detail: ONE SMALL POPULATION IS LOCATED IN THE SOUTHERN BORDER OF ADJACENT SECTION 14. FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONSERVATION EASEMENT.

Ecological: ON ALKALI PESCADERO CLAY SOILS. ASSOCIATED WITH FRANKENIA, ERYNGIUM, LIPPIA, CRYPSIS, AND ELEOCHARIS MACROSTACHYA.

Threat: THIS PORTION OF OLCOTT IS PROTECTED FROM GRAZING. OVERCOLLECTION & CHANGES IN HYDROLOGY MAY HAVE CAUSED EXTIRPATION.

General: TYPE LOCALITY. 100-150 PLANTS REPORTED BY CRAMPTON IN 1958, 553 PLANTS IN 1985, 100 IN 1986, NONE IN 1987-1992, 4 PLANTS IN 1993, NONE SEEN 1994-2006; EXTIRPATED. MULTIPLE COLLECTIONS FROM CRAMPTON, GRIGGS, & MALLOCH ATTRIBUTED HERE.

Owner/Manager: SOLANO LAND TRUST

Occurrence No. 2 **Map Index:** 10400 **EO Index:** 6310

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Decreasing

Dates Last Seen
Element: 2005-XX-XX
Site: 2005-XX-XX
Record Last Updated: 2008-01-15

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.25553º / -121.86910º
UTM: Zone-10 N4234772 E598945
Area: 11.7 acres
Elevation: 35 ft
Mapping Precision SPECIFIC
Symbol Type: POLYGON
Township: 05N
Range: 01E
Section: 28 **Qtr:** NW
Meridian: M

Location: APPROX 2.5 MI SOUTHWEST OF OLCOTT LAKE, IN "NEXT LARGEST VERNAL POOL."

Location Detail: 3.4 KM (2.1 MI) SOUTH OF THE SACRAMENTO NORTHERN RR TRACKS AND 5.7 KM (3.5 MI) WEST OF HWY 113. IN SECTION 28: NW 1/4 OF NE 1/4 AND NE 1/4 OF NW 1/4. PLANTS FOUND IN DIFFERENT LOCATIONS IN POOL EACH YEAR; NOT FOUND THROUGHOUT ENTIRE POOL.

Ecological: IN LARGE SALINE-ALKALINE PLAYA/POOL IN ANNUAL GRASSLAND. ASSOCIATED WITH MALVELLA LEPROSA, FRANKENIA SALINA, CRESSA TRUXILLENSIS, ERYNGIUM ARISTULATUM, DISTICHLIS SPICATA, AND NEOSTAPFIA COLUSANA. SEEN ALSO WITH DELTA GREEN GROUND BEETLES.

Threat: CATTLE/SHEEP GRAZING & DUCK HUNTING. PAST DISTURBANCE/GRAZING MAY HAVE LED TO ESTABLISHMENT OF WEEDY MALVELLA & CRYPSIS.

General: 763 PLANTS SEEN IN 1985, APPROX 250 PLANTS IN 1986, 114 IN 1989, 1 IN 1991, 142 IN 1992, 38 IN 2000. 26 IN 2004, 3 IN 2005. 1986 COLLECTION BY STONE ATTRIBUTED HERE. IS POP. DECLINING, OR IS THIS CLIMATE INDUCED? LACK OF DISTURBANCE?

Owner/Manager: PVT

Tuctoria mucronata

Crampton's tuctoria or Solano grass

Element Code: PMPOA6N020

Status
Federal: Endangered
State: Endangered

NDDB Element Ranks
Global: G1
State: S1.1

Other Lists
CNPS List: 1B.1

Habitat Associations
General: VERNAL POOLS, VALLEY AND FOOTHILL GRASSLAND.
Micro: CLAY BOTTOMS OF DRYING VERNAL POOLS AND LAKES IN VALLEY GRASSLAND. 5-10M.

Occurrence No. 3 **Map Index:** 25596 **EO Index:** 6337

Occ Rank: Excellent
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown

Dates Last Seen
Element: 2005-08-05
Site: 2005-08-05
Record Last Updated: 2008-01-14

Quad Summary: Saxon (3812146/497B)
County Summary: Yolo

Lat/Long: 38.49163º / -121.68587º
UTM: Zone-10 N4261183 E614604
Area: 2.0 acres
Elevation: 25 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 08N
Range: 03E
Section: 31 **Qtr:** SE
Meridian: M

Location: DAVIS AIR FORCE COMMUNICATION FACILITY. 4 MI S OF INTERSTATE 80, E OF RD 104, BETWEEN RD 34 AND RD 35.

Location Detail: DAVIS COMMUNICATIONS ANNEX. MAPPED ACCORDING TO ESA MAP (2004). NEOSTAPFIA COLUSANA ALSO OCCURS AT THIS SITE.

Ecological: LOW AREA ON PESCADERO CLAY LOAM. NORTHERN SUBPOP. RESTRICTED TO DISTURBED GROUND. SOUTHERN SUBPOP. IN ALKALI SCALD, ALSO SHOWS SIGNS OF DISTURBANCE. ASSOCIATES INCLUDE CRYPSIS SCHOENOIDES & LEPIDIUM LATIFOLIA.

Threat: FORMER GROUND DISTURBANCE: BORROW PITS & FIREBREAKS. INVASION BY NONNATIVE PLANTS (SALSOLA TRAGUS & LEPIDIUM LATIFOLIUM)

General: 2 SUBPOPULATIONS, APPROX 10,000 PLANTS TOTAL IN 1993, 2700 IN 1996, 1,993 IN 2001, 1403 IN 2004, UNKNOWN NUMBER SEEN IN 2005. WEEDS TAKING OVER BY 2001. STILL LARGEST EXTANT POPULATION. WILL EVENTUALLY BE MANAGED BY YOLO COUNTY PARKS.

Owner/Manager: DOD-MCCLELLAN AFB

Valley Needlegrass Grassland

Element Code: CTT42110CA

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S3.1

Other Lists

Habitat Associations
General:
Micro:

Occurrence No. 9 **Map Index:** 10569 **EO Index:** 25238

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Unknown

Dates Last Seen
Element: 1983-02-06
Site: 1983-02-06
Record Last Updated: 1998-07-15

Quad Summary: Dozier (3812137/498D)
County Summary: Solano

Lat/Long: 38.31380º / -121.81634º
UTM: Zone-10 N4241295 E603479
Radius: 1/5 mile
Elevation: 20 ft
Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT
Township: 05N
Range: 01E
Section: 01 **Qtr:** NW
Meridian: M

Location: NORTH DOZIER GRASSLAND, MOSTLY ON E SIDE HWY 113, 1.5 M N ON 113 FROM DOZIER RR STOP.

Ecological: ONCE HAD NASSELLA PULCHRA & HUMMOCKS W/GREAT SPECIES DIVERSITY.

General: SITE REPORTED PLOWED IN 1983, ELIMINATING COMMUNITY. THIS WAS OCC #009 OF CTT42110CA.

Owner/Manager: PVT

Occurrence No. 10 **Map Index:** 10331 **EO Index:** 16294

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Increasing

Dates Last Seen
Element: 1981-XX-XX
Site: 1981-XX-XX
Record Last Updated: 1998-07-15

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.19842º / -121.88338º
UTM: Zone-10 N4228420 E597773
Area: 430.7 acres
Elevation: 100 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 04N
Range: 01E
Section: 17 **Qtr:** NE
Meridian: M

Location: SE OF DENVERTON, E OF SHILOH RD TO RR TRACKS.

Location Detail: VERNAL POOLS OCCUR IN AREA. AREA TO N ALSO W/SOME NATIVE GRASSLAND.

Ecological: HIGH QUALITY GRASSLAND W/25-50% COVER BY NASSELLA PULCHRA. OTHER PERENNIAL GRASSES AND WILDFLOWERS PRESENT.

Threat: SHEEP GRAZING, SOMETIMES HEAVY. GRAVEL MINING IN VICINITY.

General: THIS WAS OCC #010 OF CTT42110CA.

Owner/Manager: UNKNOWN

Occurrence No. 13 **Map Index:** 10379 **EO Index:** 16290

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Increasing

Dates Last Seen
Element: 1988-04-16
Site: 1988-04-16
Record Last Updated: 1998-07-15

Quad Summary: Dozier (3812137/498D), Birds Landing (3812127/481A), Denverton (3812128/481B), Elmira (3812138/498C)
County Summary: Solano

Lat/Long: 38.26446º / -121.86063º
UTM: Zone-10 N4235772 E599675
Area: 15,017.3 acres
Elevation: 30 ft
Mapping PrecisionSPECIFIC
Symbol Type:POLYGON
Township: 05N
Range: 01E
Section: 28 **Qtr:** N
Meridian: M

Location: JEPSON PRAIRIE (15 M S OF DIXON) & AREA W TO TRAVIS AFB RUNWAY & S TO DENVERTON.

Location Detail: BOUNDARY INCLUDES ALL CONTIGUOUS NATIVE GRASSLAND IN VICINITY. FORMERLY TNC'S JEPSON PRAIRIE PRESERVE; TRANSFERRED TO SOLANO COUNTY FARMLANDS & OPEN SPACE ON 8/97. TNC RETAINS CONS. EASEMENT.

Ecological: ROLLING HUMMOCKY TOPOGRAPHY W/MOSAIC OF GRASSLAND, VERNAL POOLS. NATIVE GRASSES INCL NASSELLA PULCHRA, N. CERNUA, MELICA CALIFORNICA, POA SECUNDA, HORDEUM BRACHYANTHERUM, ELYMUS GLAUCUS.

Threat: MANY GRAZING PRACTICES.

General: RANK A-C. NNL, 1988. MANY PVT OWNERS AS WELL AS OPEN SPACE. THIS WAS OCC #013 OF CTT42110CA.

Owner/Manager: SOLANO LAND TRUST

Valley Needlegrass Grassland

Element Code: CTT42110CA

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1
State: S3.1

Other Lists

Habitat Associations
General:
Micro:

Occurrence No. 33 **Map Index:** 10327 **EO Index:** 16284

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Decreasing

Dates Last Seen
Element: 1972-XX-XX
Site: 1972-XX-XX
Record Last Updated: 1998-07-15

Quad Summary: Denverton (3812128/481B)
County Summary: Solano

Lat/Long: 38.21633º / -121.88472º
UTM: Zone-10 N4230406 E597631
Area: 97.2 acres
Elevation: 70 ft

Mapping PrecisionSPECIFIC
Symbol Type:POLYGON

Township: 04N
Range: 01E
Section: 05 **Qtr:** SE
Meridian: M

Location: LEUTHOLZ RANCH (SE OF DENVERTON LESS THAN 1 MI, W SLOPES OF MONTEZUMA HILLS).

Ecological: RELICT STANDS NASSELLA PULCHRA, 15% COVER IN PASTURE AREA. ASSOC W/ SOFT CHESS & RIPGUT. ON OLCUTT FINE SANDY LOAM, GRAY PHASE.

General: POOR COND W/RESPECT TO NATIVES, BARRY 1972. THIS WAS OCC #033 OF CTT42110CA.

Owner/Manager: PVT