Pico Power Project

Appendix 8.2-A
Results of the California Natural Diversity/ Rarefind Data Base Search

October 2002

California Department of Fish and Game
Natural Diversity Data Base
Full Expanded Report - One Record Per Page

AMBYSTOMA CALIFORNIENSE
CALIFORNIA TIGER SALAMANDER Element Code: AAAAA01147

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

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

Occurrence No. 41 Map Index: 37885 Dates Last Seen
Occ Rank: None Element: 1895-01-09
Origin: Natural/Native occurrence Site: 1895-01-09
Presence: Extirpated
Trend: Unknown
Main Source: BRODE, J. 1986 (PERS)
Quad Summary: SAN JOSE WEST (3712138/427C)*, SAN JOSE EAST (3712137/427D), CALAVERAS RESERVOIR (3712147/427A), MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:
Location: SAN JOSE.
Lat/Long: 37ø20'17" / 121ø53'25" Township: 07S
UTM: Zone-10 N4132737 E598306 Range: 01E
Mapping Precision: NON-SPECIFIC Section: 08 Qtr XX
Symbol Type: POINT Meridian: M
Radius: 5 mile Elevation: 85 ft

Comments
Distribution: NO OTHER LOCATIONAL INFORMATION GIVEN.
Ecological:
Threat:
General: HISTORIC RECORD. MUSEUM COLLECTION SU 879. JENNINGS CONSIDERS THIS SITE EXTIRPATED.
Owner/Manager: UNKNOWN

Source Codes
JEN01U01, BRO86U03

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

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

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

Occurrence No. 390 Map Index: 34781
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown
Main Source: ALBERTSON, J. ET AL 1993 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:
Location: WSW OF FREMONT, IN SALT EVAPORATORS; 2.1 KM SOUTHEAST OF ALBRAE.

Dates Last Seen
Element: 1994-02-07
Site: 1994-02-07

Lat/Long: 37ø29'05" / 121ø58'01"
UTM: Zone-10 N4148946 E591325
Mapping Precision: SPECIFIC
Symbol Type: POLYGON
Area: 21.6 ac
Township: 05S
Range: 01W
Section: 21 Qtr XX
Meridian: M
Elevation: 7 ft

Comments
Distribution: SOUTHEAST PONDS OF WARM SPRINGS SEASONAL WETLANDS. POTENTIAL HABITAT MAY EXIST ON SURROUNDING PRIVATE PROPERTY.
Ecological: HABITAT CONSISTS OF VERNAL POOL/GRASSLAND COMMUNITIES; PLANT SPECIES VARIED WITH SALINITY AND DEPTH OF POND; PERIPHERY OF POND USUSALLY DOMINATED BY COTULA CORONOPIFOLIA AND THE DEEPER AREAS BY OEDOGONIUM SP. EXOTIC VEGETATION ALSO ON SITE.
Threat:
General: 1993: 1 LARVA OBSERVED ON 3/12 AND 12 LARVAE OBSERVED ON 4/9, MOSTLY IN POND 4. LEPIDURUS PACKARDI ALSO OBSERVED IN POND AREA. 2/7/1994-2 ADULTS OBSERVED ON EDGE OF VERNAL POOL IN BURROW.
Owner/Manager: USFWS-SAN FRANCISCO BAY NWR

Source Codes
ALB94F01, ALB93F03, ALB93F01, KUT93R01

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

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

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

Occurrence No. 391 Map Index: 34780 Dates Last Seen
Occ Rank: Good Element: 1995-03-23
Origin: Natural/Native occurrence Site: 1995-03-23
Presence: Presumed Extant
Trend: Unknown
Main Source: ALBERTSON, J. ET AL 1995 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:
Location: WSW OF FREMONT IN THE SALT EVAPORATORS; 1.5 KM SOUTHEAST OF ALBRAE.
Lat/Long: 37ø29'18" / 121ø58'22" Township: 05S
UTM: Zone-10 N4149346 E590820 Range: 01W
Mapping Precision: SPECIFIC Section: 21 Qtr XX
Symbol Type: POLYGON Meridian: M
Area: 11.6 ac Elevation: 7 ft

Comments
Distribution: NORTHWEST PONDS OF WARM SPRINGS SEASONAL WETLANDS. POTENTIAL HABITAT ON SURROUNDING PRIVATE PROPERTY.
Ecological: HABITAT CONSISTS OF VERNAL POOLS/GRASSLAND COMMUNITIES; PLANT SPECIES VARY WITH SALINITY AND DEPTH OF POND; PERIPHERY OF POND USUALLY DOMINATED BY COTULA CORONOPIFOLIA, AND DEEPER AREAS BY OEDOGONIUM SPECIES. EXOTIC VEGETATION ALSO ON SITE.
Threat:
General: 3/19/1993-1 LARVA OBSERVED; 3/23/1995-21 LARVAE OBSERVED.
Owner/Manager: USFWS-SAN FRANCISCO BAY NWR

Source Codes
ALB93F02, KUT93R01, ALB95F02

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

Status
Federal: Endangered
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

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

Occurrence No. 397 Map Index: 36109
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Decreasing
Main Source: MONK, J. & S. LYNCH 1997 (OBS)

Dates Last Seen
Element: 1999-04-06
Site: 1999-04-06

Quad Summary: MILPITAS (3712148/427B)*, NILES (3712158/446C)
County Summary: ALAMEDA
SNA Summary:
Location: SOUTH OF DURHAM ROAD (AUTO MALL PARKWAY), FREMONT.

Lat/Long: 37ø29'46" / 121ø57'53"
UTM: Zone-10 N4150215 E591506
Mapping Precision: NON-SPECIFIC
Symbol Type: POLYGON
Area: 598.1 ac
Township: 05S
Range: 01W
Section: 15 Qtr XX
Meridian: M
Elevation: 15 ft

Comments
Distribution: CTS PRESUMED TO BE DISTRIBUTED THROUGHOUT THE 840-ACRE PARCEL PROPOSED FOR DEVELOPMENT.
Ecological: HABITAT CONSISTS OF NON-NATIVE GRASSLAND/SEASONAL WETLANDS, WITH CALIFORNIA GROUND SQUIRREL AND BOTTA'S POCKET GOPHER BURROWS PROVIDING AESTIVATION SITES. SITE IS AN AGRICULTURAL AREA LEFT FALLOW.
Threat: THREATENED BY A PROPOSED DEVELOPMENT (PACIFIC COMMONS PROJECT). OVER HALF OF THIS SITE TO BE DEVELOPED.
General: 18 ADULT CTS CAPTURED ON 2 DIFFERENT NIGHTS (2 MARCH & 17 MARCH 1997). CTS LARVAE FOUND IN 24 POOLS DURING 3-26 MARCH 1997. CTS ABUNDANT IN POOL 26. 110 MIGRATING CTS CAPTURED IN DRIFT FENCES & RELOCATED BETWEEN 16 DEC 1998 & 6 APR 1999.
Owner/Manager: PVT

Source Codes
WRA99R01, MON97F03, MON97F02

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

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

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

Occurrence No. 446 Map Index: 40554 Dates Last Seen
Occ Rank: Good Element: 1998-05-09
Origin: Natural/Native occurrence Site: 1998-05-09
Presence: Presumed Extant
Trend: Unknown
Main Source: JENNINGS, M. 1998 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:
Location: 1.75 MILES EAST OF LEITCH SCHOOL, 1.8 MILES NNE OF SCOTT CREEK ROAD AND I-680 JUNCTION, FREMONT.
Lat/Long: 37ø29'24" / 121ø53'23" Township: 05S
UTM: Zone-10 N4149620 E598146 Range: 01E
Mapping Precision: SPECIFIC Section: 20 Qtr XX
Symbol Type: POINT Meridian: M
Radius: 80 meters Elevation: 1280 ft

Comments
Distribution: ARTIFICIAL POND IN FREMONT OPEN SPACE.
Ecological: HABITAT CONSISTS OF AN ARTIFICIAL POND IN OPEN, GRAZED ANNUAL GRASSLAND, CREATED AS MITIGATION (WITH A CATTLE EXCLUSION FENCE AROUND IT) FOR DEVELOPMENT.
Threat: THREATENED BY THE PRESENCE OF INTRODUCED PIGS IN THE AREA.
General: 1 LARVA COLLECTED (MRJ #1376) ON 9 MAY 1998 AND DEPOSITED AT CAS. CAS# 207148, LARVA.
Owner/Manager: CITY OF FREMONT

Source Codes
JEN98F26, CAS01S02

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

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

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

Occurrence No. 447 Map Index: 40555 Dates Last Seen
Occ Rank: Poor Element: 1998-05-03
Origin: Natural/Native occurrence Site: 1998-05-03
Presence: Presumed Extant
Trend: Unknown
Main Source: JENNINGS, M. 1998 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:
Location: ALONG TOROGES CREEK, 1 MILE NORTH OF THE I-680/SCOTT CREEK ROAD JUNCTION, FREMONT.
Lat/Long: 37ø28'55" / 121ø54'00" Township: 05S
UTM: Zone-10 N4148712 E597236 Range: 01E
Mapping Precision: SPECIFIC Section: 19 Qtr XX
Symbol Type: POINT Meridian: M
Radius: 80 meters Elevation: 440 ft

Comments
Distribution: SITE IS LOCATED ADJACENT TO THE AVALON HOMES DEVELOPMENT, IN THE DOUBLE WOOD GOLF COURSE SITE.
Ecological: HABITAT CONSISTS OF A VERNAL POOL ON A HILLSIDE COVERED WITH GRAZED RUDERAL VEGETATION; WILLOWS ARE PRESENT ON ONE SIDE OF THE POOL. MUCH OF THE DRAIAGE HAS BEEN ELIMINATED BY DEVELOPMENT.
Threat: THREATENED BY BOTH PREVIOUS AND FUTURE DEVELOPMENT.
General: HUNDREDS OF LARVAE OBSERVED ON 3 MAY 1998.
Owner/Manager: PVT

Source Codes
JEN98F27

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

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

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

Occurrence No. 523 Map Index: 45080 Dates Last Seen
Occ Rank: Poor Element: 1995-05-01
Origin: Natural/Native occurrence Site: 1995-05-01
Presence: Presumed Extant
Trend: Unknown
Main Source: TATARIAN, T. 1995 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:
Location: NNE OF THE INTERSECTION OF SCOTT CREEK ROAD AND I-680, FREMONT

Lat/Long: 37ø28'14" / 121ø54'01" Township: 05S
UTM: Zone-10 N4147443 E597240 Range: 01E
Mapping Precision: NON-SPECIFIC Section: 30 Qtr XX
Symbol Type: POINT Meridian: M
Radius: 1/10 mile Elevation: 200 ft

Comments
Distribution:
Ecological: HABITAT CONSISTS OF NON-NATIVE GRASSLAND THAT WAS PREVIOUSLY GRAZED (ABOUT 5 YEARS PAST).
Threat: THREATENED BY DEVELOPMENT.
General: 3 LARVAE CAPTURED/RELEASED ON 1 MAY 1995.
Owner/Manager: PVT

Source Codes
TAT95F03

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

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

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

Occurrence No. 636 Map Index: 24673
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown
Main Source: WETLANDS RESEARCH ASSOCIATES 1999 (LIT)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:
Location: ALBRAE, ALONG RAILROAD TRACKS ABOUT 1 MILE SOUTHWEST OF FREMONT RACEWAYS, WEST OF FREMONT.

Dates Last Seen
Element: 1999-04-06
Site: 1999-04-06

Lat/Long: 37ø29'18" / 121ø58'45"
UTM: Zone-10 N4149360 E590245
Mapping Precision: SPECIFIC
Symbol Type: POLYGON
Area: 28.7 ac
Township: 05S
Range: 01W
Section: 21 Qtr NW
Meridian: M
Elevation: 10 ft

Comments
Distribution: THIS AREA IS KNOWN AS THE PACIFIC COMMONS PRESERVE STEM SITE.
Ecological: NON-NATVIE ANNUAL GRASSLAND WITH INTERSPERSED SEASONAL WETLANDS.
Threat:
General: FOUR MIGRATING CTS CAPTURED IN DRIFT FENCES IN THE PACIFIC COMMONS DEVELOPMENT SITE (OCC 397) RELEASED IN STEM POOL 5.
Owner/Manager: UNKNOWN

Source Codes
WRA99R01

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. 210 Map Index: 36040
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown
Main Source: COOK, D. 1996 (OBS)

Dates Last Seen
Element: 1996-07-30
Site: 1996-07-30

Quad Summary: MILPITAS (3712148/427B)*, NILES (3712158/446C)
County Summary: ALAMEDA
SNA Summary:

Location: AGUA CALIENTE CREEK, JUST NE OF THE INTERSECTION OF I-680 AND MISSION BLVD, FREMONT.

Lat/Long: 37ø29'54" / 121ø55'03"
UTM: Zone-10 N4150491 E595688
Mapping Precision: SPECIFIC
Symbol Type: POLYGON
Area: 29.6 ac

Township: 05S
Range: 01W
Section: 13 Qtr XX
Meridian: M
Elevation: 180 ft

Comments
Distribution:
Ecological: HABITAT CONSISTS OF A PERMANENT STREAM SURROUNDED BY SYCAMORE RIPARIAN FOREST, WITH AN EXOTIC UNDERSTORY CONSISTING OF HIMALAYAN BLACKBERRY, BAMBOO, AND WATERCRESS.
Threat:
General: 1 ADULT FROG AND 1 NEWLY-METAMORPHOSED JUVENILE FROG OBSERVED ON 30 JULY 1996.
Owner/Manager: UNKNOWN

Source Codes
COO96F01

ELANUS LEUCURUS
WHITE-TAILED KITE — Element Code: ABNKC06010

Status — **NDDB Element Ranks** — **Other Lists**

Federal: None — Global: G5 — CDFG Status:
State: None — State: S3

Habitat Associations

General: (NESTING) ROLLING FOOTHILLS/VALLEY MARGINS W/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. 1 — Map Index: 24672 — **Dates Last Seen**

Occ Rank: Unknown — Element: 1971-05-06
Origin: Natural/Native occurrence — Site: 1971-05-06
Presence: Presumed Extant
Trend: Unknown
Main Source: GILL, R. 1971 (LIT)

Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:

Location: NORTH OF HWY 237, 1 MILE EAST OF ALVISO, IN THE SOUTH SAN FRANCISCO BAY AREA.

Lat/Long: 37ø25'34" / 121ø56'57" — Township: 06S
UTM: Zone-10 N4142455 E592969 — Range: 01W
Mapping Precision: NON-SPECIFIC — Section: XX Qtr XX
Symbol Type: POINT — Meridian: M
Radius: 2/5 mile — Elevation: 5 ft

Comments

Distribution:
Ecological: NEST LOCATED IN A EUCALYPTUS TREE.
Threat:
General: ALTHOUGH ADULTS WERE OBSERVED DURING TWO AERIAL SURVEYS, NO YOUNG WERE EVER OBSERVED AT THE NEST.
Owner/Manager: UNKNOWN

Source Codes

GIL71R01

California Department of Fish and Game
Natural Diversity Data Base
Full Expanded Report Ä One Record Per Page

RALLUS LONGIROSTRIS OBSOLETUS
CALIFORNIA CLAPPER RAIL — Element Code: ABNME05016

Status — NDDB Element Ranks — Other Lists
Federal: Endangered — Global: G5T1 — CDFG Status:
State: Endangered — State: S1

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. 20 — Map Index: 36915 — Dates Last Seen
Occ Rank: Unknown — Element: 1975-XX-XX
Origin: Natural/Native occurrence — Site: 1975-XX-XX
Presence: Presumed Extant
Trend: Unknown
Main Source: GILL, R. 1979 (LIT)
Quad Summary: MOUNTAIN VIEW (3712241/428A)*, MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary: Dumbarton Point
Location: LARGER FRINGING MARSHES OF ALVISO SLOUGH.
Lat/Long: 37ø26'45" / 122ø00'45" — Township: 06S
UTM: Zone-10 N4144588 E587335 — Range: 01W
Mapping Precision: NON-SPECIFIC — Section: 06 Qtr XX
Symbol Type: POLYGON — Meridian: M
Area: 167.4 ac — Elevation:

Comments
Distribution:
Ecological:
Threat:
General:
Owner/Manager: UNKNOWN

Source Codes
GIL79A01

RALLUS LONGIROSTRIS OBSOLETUS (cont.)
CALIFORNIA CLAPPER RAIL Element Code: ABNME05016

Status NDDB Element Ranks Other Lists
Federal: Endangered Global: G5T1 CDFG Status:
State: Endangered State: S1

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. 35 Map Index: 09815 Dates Last Seen
Occ Rank: Unknown Element: 1975-XX-XX
Origin: Natural/Native occurrence Site: 1975-XX-XX
Presence: Presumed Extant
Trend: Unknown
Main Source: GILL, R. 1979 (LIT)
Quad Summary: MILPITAS (3712148/427B)*, MOUNTAIN VIEW (3712241/428A)
County Summary: ALAMEDA, SANTA CLARA
SNA Summary: Dumbarton Point
Location: MARSHES FRINGING MUD SLOUGH.
Lat/Long: 37ø27'59" / 121ø59'51" Township: 05S
UTM: Zone-10 N4146879 E588653 Range: 01W
Mapping Precision: NON-SPECIFIC Section: XX Qtr XX
Symbol Type: POINT Meridian: M
Radius: 1 mile Elevation:

Comments
Distribution:
Ecological:
Threat:
General: BREEDING NOT KNOWN FROM AREA EAST OF DRAWBRIDGE, BUT INDIVIDUALS HAVE NOT BEEN SEEN FROM NEAR MOUTH OF ALVISO SLOUGH AND EAST TO THE ABANDONED TOWN OF DRAWBRIDGE.
Owner/Manager: UNKNOWN

Source Codes
GIL79A01

CHARADRIUS ALEXANDRINUS NIVOSUS
WESTERN SNOWY PLOVER — Element Code: ABNNB03031

Status — **NDDB Element Ranks** — **Other Lists**

Federal: Threatened — Global: G4T3 — CDFG Status: SC
State: None — State: S2

Habitat Associations

General: (NESTING) FEDERAL LISTING APPLIES ONLY TO THE PACIFIC COASTAL POPULATION.
Micro: SANDY BEACHES, SALT POND LEVEES & SHORES OF LARGE ALKALI LAKES. NEEDS SANDY, GRAVELLY OR FRIABLE SOILS FOR NESTING.

Occurrence No. 3 — Map Index: 09896 — **Dates Last Seen**
Occ Rank: Unknown — Element: 1971-07-16
Origin: Natural/Native occurrence — Site: 1971-07-16
Presence: Presumed Extant
Trend: Unknown
Main Source: GILL, R. 1971 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:
Location: ALVISO.
Lat/Long: 37ø25'34" / 121ø58'20" — Township: 06S
UTM: Zone-10 N4142435 E590938 — Range: 01W
Mapping Precision: NON-SPECIFIC — Section: XX Qtr XX
Symbol Type: POINT — Meridian: M
Radius: 1/5 mile — Elevation: 10 ft

Comments

Distribution:
Ecological:
Threat:
General: FROM NORTH AMERICAN NEST RECORD CARD PROGRAM.
Owner/Manager: UNKNOWN

Source Codes

GIL71F07

CHARADRIUS ALEXANDRINUS NIVOSUS (cont.)
WESTERN SNOWY PLOVER — Element Code: ABNNB03031

Status — **NDDB Element Ranks** — **Other Lists**
Federal: Threatened — Global: G4T3 — CDFG Status: SC
State: None — State: S2

Habitat Associations
General: (NESTING) FEDERAL LISTING APPLIES ONLY TO THE PACIFIC COASTAL POPULATION.
Micro: SANDY BEACHES, SALT POND LEVEES & SHORES OF LARGE ALKALI LAKES. NEEDS SANDY, GRAVELLY OR FRIABLE SOILS FOR NESTING.

Occurrence No. 127 — Map Index: 44374 — **Dates Last Seen**
Occ Rank: Good — Element: 1999-11-05
Origin: Natural/Native occurrence — Site: 1999-11-05
Presence: Presumed Extant
Trend: Unknown
Main Source: RYAN, T. 1999 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:
Location: SALT EVAPORATOR POND, BETWEEN ALVISO SLOUGH AND GUADALUPE SLOUGH, JUST WEST OF ALVISO.

Lat/Long: 37ø25'23" / 121ø59'17" — Township: 06S
UTM: Zone-10 N4142090 E589533 — Range: 01W
Mapping Precision: NON-SPECIFIC — Section: 08 Qtr XX
Symbol Type: POLYGON — Meridian: M
Area: 382.6 ac — Elevation: 0

Comments
Distribution: ALVISO SALT POND NUMBER A8, CARGILL SALT PROPERTY. BIRDS OBSERVED OVER THE SPRING & SUMMER BUT NEVER STATED THAT NESTS WERE OBSERVED.
Ecological: BOTH ACTIVE AND INACTIVE SALT EVAPORATOR POND AREA, SURROUNDING AREA IS SALT PONDS AND BRACKISH MARSH
Threat:
General: 1999 SAMPLING: JAN 6: 4 BIRDS; MAR 12: 18 BIRDS; APR 14: 5 BIRDS; APR 29: 3 BIRDS; MAY 6: 6 BIRDS; MAY 13: 2 BIRDS; JUN 5: 2 BIRDS; JUN 9: 2 BIRDS; NOV 5: 3 BIRDS.
Owner/Manager: PVT

Source Codes
RYA99F04

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: (BURROW SITES) 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. 24 — Map Index: 09797 — Dates Last Seen
Occ Rank: None — Element: XXXX-XX-XX
Origin: Natural/Native occurrence — Site: XXXX-XX-XX
Presence: Possibly Extirpated
Trend: Unknown
Main Source: BLAKE, C. 1983 (PERS)

Quad Summary: MOUNTAIN VIEW (3712241/428A)*, MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:

Location: SOUTHEAST OF JUNCTION OF COYOTE CREEK AND ALVISO SLOUGH, NORTH OF SUNNYVALE.

Lat/Long: 37ø27'11" / 122ø00'29" — Township: 05S
UTM: Zone-10 N4145415 E587727 — Range: 01W
Mapping Precision: NON-SPECIFIC — Section: 31 Qtr XX
Symbol Type: POINT — Meridian: M
Radius: 3/5 mile — Elevation:

Comments
Distribution:
Ecological:
Threat:
General: COLONY INACTIVE OR EXTIRPATED; DATE OWLS LAST OBSERVED UNKNOWN.
Owner/Manager: PVT

Source Codes
BLA83U01, JOH88U01

ATHENE CUNICULARIA (cont.)
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: (BURROW SITES) 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. 132 — Map Index: 21008 — **Dates Last Seen**
Occ Rank: Fair — Element: 1992-04-01
Origin: Natural/Native occurrence — Site: 1992-04-01
Presence: Presumed Extant
Trend: Unknown
Main Source: FREAS, K. 1992 (OBS)

Quad Summary: SAN JOSE WEST (3712138/427C)*, MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:

Location: NW OF THE JUNCTION OF KARINA COURT AND NORTH FIRST STREET, SAN JOSE.

Lat/Long: 37ø22'29" / 121ø55'08" — Township: 06S
UTM: Zone-10 N4136787 E595723 — Range: 01W
Mapping Precision: NON-SPECIFIC — Section: 25 Qtr S
Symbol Type: POINT — Meridian: M
Radius: 1/5 mile — Elevation: 40 ft

Comments

Distribution:
Ecological: HABITAT CONSISTS OF FAIRLY OPEN ULAND/RUDERAL, MADE UP PRIMARILY OF ANNUAL GRASSES. CHUNKS OF CONCRETE AT THE SITE SERVE AS PERCHES. MANY GROUND SQUIRRELS INHABIT THE SITE.
Threat: MAIN THREAT TO THIS SITE IS DEVELOPMENT, AS ADVERTISED ON SIGNS AROUND THE PROPERTY.
General: SITE APPEARS TO HAVE BEEN DISCED PRIOR TO 1992, BUT NO DISCING HAD TAKEN PLACE AS OF 12 APRIL 1992. TWO ADULT BIRDS OBSERVED.
Owner/Manager: PVT

Source Codes

FRE92F01

ATHENE CUNICULARIA (cont.)
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: (BURROW SITES) 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. 176 Map Index: 24086 Dates Last Seen
Occ Rank: Good Element: 1993-08-04
Origin: Natural/Native occurrence Site: 1993-08-04
Presence: Presumed Extant
Trend: Unknown
Main Source: BEARD, B. 1993 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:
Location: AT THE END OF NORTECH PARKWAY, WITHIN THE SAN JOSE CITY LIMITS, 1 MILE EAST OF ALVISO.
Lat/Long: 37ø25'24" / 121ø57'14" Township: 06S
UTM: Zone-10 N4142144 E592566 Range: 01W
Mapping Precision: NON-SPECIFIC Section: XX Qtr XX
Symbol Type: POINT Meridian: M
Radius: 1/5 mile Elevation: 5 ft

Comments
Distribution:
Ecological: HABITAT CONSISTS OF NON-NATIVE GRASSLAND AND WEEDY SPECIES.
Threat: THREATENEND BY PROPOSED DEVELOPMENT.
General: MANY GROUND SQUIRRELS ARE PRESENT IN THE AREA. 4 OWLS OBSERVED AT ENTRANCE TO DEN.
Owner/Manager: UNKNOWN

Source Codes
BEA93F01

ATHENE CUNICULARIA (cont.)
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: (BURROW SITES) 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. 184 — Map Index: 24670 — **Dates Last Seen**
Occ Rank: Fair — Element: 1993-08-28
Origin: Natural/Native occurrence — Site: 1993-08-28
Presence: Presumed Extant
Trend: Unknown
Main Source: PETERSON, T. 1993 (OBS)
Quad Summary: SAN JOSE WEST (3712138/427C)
County Summary: SANTA CLARA
SNA Summary:

Location: 0.2 MILE NE OF THE INTERSECTION OF AIRPORT PARKWAY AND GUADALUPE PARKWAY, EAST OF SAN JOSE MUNICIPAL AIRPORT.

Lat/Long: 37ø22'10" / 121ø55'10" — Township: 06S
UTM: Zone-10 N4136212 E595681 — Range: 01W
Mapping Precision: SPECIFIC — Section: 35 Qtr NE
Symbol Type: POINT — Meridian: M
Radius: 80 meters — Elevation: 45 ft

Comments

Distribution: TWO BURROWS LOCATED ABOUT 10 FEET APART IN A MOWED, UNIRRIGATED STRIP BETWEEN PARKING LOTS OF AN OFFICE PARK.
Ecological: BURROW SITES ARE LOCATED IN A STRIP MEASURING 200 X 1000 FEET, WITH DAISY BUSHES AND EARTH BERMS AROUND THE EDGES THAT SERVE AS PERCHES.
Threat: SITE THREATENED BY FURTHER DEVELOPMENT, POSSIBLY FOR ADDITIONAL PARKING.
General: 4 ADULTS AND 2 JUVENILES OBSERVED IN TOTAL FOR BOTH BURROW SITES ON 28 AUGUST 1993. 9 OWLS (2 ADULTS, 7 JUVENILES) WERE BANDED BY BARCLAY IN 1993.
Owner/Manager: PVT

Source Codes

BAR94U01, PET93F03

ATHENE CUNICULARIA (cont.)
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: (BURROW SITES) 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. 212 Map Index: 30027
Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown
Main Source: DESMOND, M. 1993 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:

Dates Last Seen
Element: 1993-06-18
Site: 1993-06-18

Location: MISSION COLLEGE CAMPUS, SANTA CLARA.

Lat/Long: 37ø23'34" / 121ø58'48"
UTM: Zone-10 N4138720 E590289
Mapping Precision: NON-SPECIFIC
Symbol Type: POINT
Radius: 2/5 mile

Township: 06S
Range: 01W
Section: XX Qtr XX
Meridian: M
Elevation: 20 ft

Comments
Distribution: BURROWS ARE LOCATED IN FRONT OF THE MAIN BUILDING AND ALL THE WAY AROUND TO THE BASEBALL FIELD.
Ecological: IN MANY OF THE NESTING AREAS, THE VEGETATION WAS HIGHER THAN WHAT BURROWING OWLS GENERALLY PREFER.
Threat: THREATENED BY THE HIGH LEVEL OF HUMAN ACTIVITIES.
General: 14 ADULT BIRDS AND AN UNKNOWN NUMBER OF JUVENILES OBSERVED; 7 BIRDS WERE CAPTURED (TO OBTAIN A BLOOD SAMPLE), THEN RELEASED.
Owner/Manager: MISSION COLLEGE

Source Codes
DES93F01

ATHENE CUNICULARIA (cont.)
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: (BURROW SITES) 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. 340 — Map Index: 42062 — **Dates Last Seen**
Occ Rank: Fair — Element: 1999-06-10
Origin: Natural/Native occurrence — Site: 1999-06-10
Presence: Presumed Extant
Trend: Unknown
Main Source: BLAND, D. 1999 (OBS)
Quad Summary: MILPITAS (3712148/427B)*, MOUNTAIN VIEW (3712241/428A)
County Summary: SANTA CLARA
SNA Summary:
Location: TWIN CREEKS BASEBALL FIELD COMPLEX, OFF CARIBEAN DR, ~0.5 MILE NORTH OF JUNCTION LAWRENCE EXPY & HWY 237, SUNNYVALE.
Lat/Long: 37ø24'56" / 121ø59'57" — Township: 06S
UTM: Zone-10 N4141259 E588558 — Range: 01W
Mapping Precision: SPECIFIC — Section: 17 Qtr XX
Symbol Type: POLYGON — Meridian: M
Area: 12.8 ac — Elevation: 0

Comments

Distribution: OUTSIDE EDGE AREA AROUND BALL FIELDS.
Ecological: NON-NATIVE GRASSLAND
Threat: EXPANSION OF SPORTS FIELD COMPLEX
General: 2 PAIR OBSERVED, 1 PAIR ARE BANDED & OCCUPY A BURROW AT THE SW CORNER OF PARKING LOT. OTHER PAIR, NOT BANDED, IS IN UNDEVELOPED GRASSLAND S & E OF EXISTING BALL FIELDS & PARKING LOT. NO YOUNG OBSERVED.
Owner/Manager: PVT

Source Codes

BLA99F03

ATHENE CUNICULARIA (cont.)
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: (BURROW SITES) 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. 341 Map Index: 42084 Dates Last Seen
Occ Rank: Excellent Element: 2001-07-06
Origin: Natural/Native occurrence Site: 2001-07-06
Presence: Presumed Extant
Trend: Unknown
Main Source: BARCLAY, J. 1999 (OBS)
Quad Summary: SAN JOSE WEST (3712138/427C)*, MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:
Location: SAN JOSE INTERNATIONAL AIRPORT, SAN JOSE.

Lat/Long: 37ø21'49" / 121ø55'43" Township: 06S
UTM: Zone-10 N4135550 E594859 Range: 01W
Mapping Precision: NON-SPECIFIC Section: 36 Qtr NE
Symbol Type: POLYGON Meridian: M
Area: 868.1 ac Elevation: 56 ft

Comments
Distribution: SITE IS PART OF AN ON-GOING BURROWING OWL MONITORING/MANAGEMENT PROGRAM, OWLS UTILIZING BOTH ARTIFICIAL AND NATURAL BURROWS.
Ecological: HABITAT CONSISTS OF MOWED HERBACEOUS VEGETATION BETWEEN THE RUNWAYS AND TAXIWAYS OF THE AIRPORT. AIRPORT IS SURROUNDED BY URBAN DEVELOPMENT.
Threat:
General: 28 ADULTS/19 JUVENILES OBS IN 1990. 12 ADULTS/11 JUVENILES OBS IN 1991. 30 ADULTS/68 JUVENILES OBSERVED IN 1997. 50 ADULTS/92 JUVENILES OBSERVED IN 1998. 48 ADULTS/101 JUVENILES OBSERVED IN 1999. 62 ADULTS/129 JUVENILES OBSERVED IN 2001.
Owner/Manager: CITY OF SAN JOSE

Source Codes
BAR97F02, BAR99F02, BIO91R01, BAR01F09, BAR98F03

ATHENE CUNICULARIA (cont.)
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: (BURROW SITES) 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. 345 — Map Index: 42263

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown
Main Source: BRIONES, K. 1999 (OBS)

Dates Last Seen
Element: 2001-07-02
Site: 2001-07-02

Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:

Location: SE OF THE JUNCTION OF SAN TOMAS AQUINAS CREEK WITH TASMAN DRIVE, EAST OF GREAT AMERICA AMUSEMENT PARK, SANTA CLARA

Lat/Long: 37ø24'11" / 121ø58'00"	Township: 06S
UTM: Zone-10 N4139889 E591447	Range: 01W
Mapping Precision: NON-SPECIFIC	Section: 22 Qtr XX
Symbol Type: POLYGON	Meridian: M
Area: 69.3 ac	Elevation: 5 ft

Comments

Distribution: BURROWS ARE LOCATED IN A CORPORATION YARD, ALONG THE BASE OF FLOOD CONTROL LEVEES, AND ALONG HETCH-HETHY PIPELINE.

Ecological: HABITAT SURROUNDING BURROW SITES CONSISTS OF A MIX OF FRESH EMERGENT WETLAND VEGETATION AND RUDERAL; HEAVILY VEGETATED BY ANNUAL GRASSES.

Threat: THREATENED BY URBAN DEVELOPMENT AND FLOOD CONTROL LEVEE MAINTENANCE.

General: 1 ADULT AND 1 JUVENILE OBSERVED AT THE BURROW SITE ON 16 JUN 1999. 3 ADULTS/1 JUVENILE AND 4 BURROWS OBSERVED ON 2 JUL 2001.

Owner/Manager: CITY OF SANTA CLARA

Source Codes

BRI99F02, PED01F01

ATHENE CUNICULARIA (cont.)
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: (BURROW SITES) 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. 359 Map Index: 43164
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Unknown
Main Source: BRIDGMAN, R. 1998 (OBS)

Dates Last Seen
Element: 1998-09-15
Site: 1998-09-15

Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:

Location: JUST SOUTH OF CURTIS AVENUE AND 0.3 MILE EAST OF SOUTH MAIN, MILPITAS

Lat/Long: 37ø25'11" / 121ø53'51"
UTM: Zone-10 N4141811 E597547
Mapping Precision: SPECIFIC
Symbol Type: POINT
Radius: 80 meters

Township: 06S
Range: 01E
Section: 07 Qtr XX
Meridian: M
Elevation:

Comments
Distribution: SITE IS LOCATED IN AN OLD DETENTION BASIN, ADJACENT TO (NORTH OF) THE GREAT MALL OF THE SAN FRANCISCO BAY AREA (OLD FORD PLANT).
Ecological: HABITAT SURROUNDING BURROW IS RUDERAL, WITH RUSSIAN THISTLE, NON-NATIVE GRASSES, AND OTHER THISTLES. NUMEROUS GROUND SQUIRREL BURROWS IN THE AREA.
Threat: THREATENED BY DEVELOPMENT.
General: 2 ADULTS AND 1 JUVENILE OBSERVED AT THE BURROW, 15 SEP 1998. OWLS WERE "PASSIVELY EXCLUDED" ON 26 OCT 1998; SITE WAS SUBSEQUENTLY DEVELOPED.
Owner/Manager: PVT

Source Codes
BRI98F15

ATHENE CUNICULARIA (cont.)
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: (BURROW SITES) 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. 360 — Map Index: 43165 — **Dates Last Seen**
Occ Rank: None — Element: 1999-10-18
Origin: Natural/Native occurrence — Site: 1999-10-18
Presence: Possibly Extirpated
Trend: Unknown
Main Source: BRIDGMAN, R. 1999 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:
Location: ALONG BARBER LANE, WEST OF I-880, MILPITAS.

Lat/Long: 37ø25'13" / 121ø54'59" — Township: 06S
UTM: Zone-10 N4141864 E595863 — Range: 01W
Mapping Precision: SPECIFIC — Section: 12 Qtr XX
Symbol Type: POINT — Meridian: M
Radius: 80 meters — Elevation: 20 ft

Comments

Distribution: OWLS OBSERVED BOTH EAST AND WEST OF BARBER LANE, BUT BREEDING TOOK PLACE ON THE WEST SIDE.
Ecological: HABITAT CONSISTS OF RUDERAL; AN OPEN SITE VEGETATED BY RUSSIAN THISTLE AND NON-NATIVE GRASSES
Threat: THREATENED BY DEVELOPMENT.
General: 2-3 ADULTS OBSERVED ON 15 SEP 1999; BIRDS LAST SEEN ON 18 OCT 1999. OWLS EXCLUDED, SITE GRADED, AND SUBSEQUENTLY DEVELOPED.
Owner/Manager: PVT

Source Codes

BRI99F03

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

Status — **DDB Element Ranks** — **Other Lists**

Federal: None — Global: G4 — CDFG Status: SC
State: None — State: S2

Habitat Associations

General: (BURROW SITES) 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. 392 — Map Index: 44143 — **Dates Last Seen**
Occ Rank: Good — Element: 2001-01-XX
Origin: Natural/Native occurrence — Site: 2001-01-XX
Presence: Presumed Extant
Trend: Unknown
Main Source: BRIDGMAN, R. 2000 (OBS)

Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:

Location: NORTH OF HIGHWAY 237, SOUTH OF LOS ESTEROS ROAD, AND EAST OF NORTH FIRST STREET, ALVISO

Lat/Long: 37ø25'31" / 121ø57'37" — Township: 06S
UTM: Zone-10 N4142361 E591974 — Range: 01W
Mapping Precision: NON-SPECIFIC — Section: 10 Qtr XX
Symbol Type: POLYGON — Meridian: M
Area: 38.1 ac — Elevation: 20 ft

Comments

Distribution: ONE BURROW IS LOCATED ON A DEVELOPED CHURCH SITE, ON THE EAST SIDE OF DISK DRIVE, NORTH OF NORTECH PARKWAY. SEVERAL OTHER BURROWS FOUND ON A PARCEL PROPOSED FOR DEVELOPMENT BY CISCO.
Ecological: CHURCH SITE BURROW IS LOCATED WITHIN A PARKING DIVIDER, LANDSCAPED WITH PROSTRATE FLOWERING PLANTS; ADJACENT LOT IS DENSE WITH RUDERAL VEGETATION, LARGELY MUSTARD AND ANNUAL GRASSES.
Threat: THREATENED BY FURTHER DEVELOPMENT OF THE ADJACENT VACANT LOT.
General: 2 ADULTS AND 3+ JUVENILES OBSERVED AT THE CHURCH SITE BURROW ON 14 JUN 2000. 4 OWLS AND NUMEROUS GROUND SQUIRREL BURROWS OBSERVED IN JAN 2001.
Owner/Manager: PVT-JUBILEE CHURCH, OTHER PVT

Source Codes

FL001F08, BRI00F02

ATHENE CUNICULARIA (cont.)
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: (BURROW SITES) 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. 428 Map Index: 46956

Dates Last Seen
Element: 2001-07-01
Site: 2001-07-01

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown
Main Source: BARCLAY, J. 2001 (OBS)
Quad Summary: SAN JOSE WEST (3712138/427C)
County Summary: SANTA CLARA
SNA Summary:
Location: SOUTH SIDE OF DEVCON COURT, SAN JOSE

Lat/Long: 37ø22'21" / 121ø54'48"
UTM: Zone-10 N4136566 E596197
Mapping Precision: SPECIFIC
Symbol Type: POINT
Radius: 80 meters

Township: 06S
Range: 01W
Section: 35 Qtr NE
Meridian: M
Elevation: 40 ft

Comments
Distribution: BURROWS ARE LOCATED UNDER THE SIDEWALK ON THE SOUTH SIDE OF DEVCON COURT.
Ecological: HABITAT CONSISTS OF MIXED RUDERAL VEGETATION ON A FLAT, VACANT SITE.
Threat: THREATENED BY DISCING/SCRAPING FOR FIRE CONTROL AND FERAL ANIMALS.
General: 4 ADULTS AND 4 JUVENILES OBSERVED USING TWO BURROWS. BURROWS SITE WAS MONITORED FROM 17 APR-4 SEP 2001; 2 OWLS FOUND DEAD IN JUL 2001, LIKELY KILLED BY FERAL ANIMALS.
Owner/Manager: UNKNOWN

Source Codes
BAR01F05

GEOTHLYPIS TRICHAS SINUOSA
SALTMARSH COMMON YELLOWTHROAT — Element Code: ABPBX1201A

Status — **NDDB Element Ranks** — **Other Lists**
Federal: None — Global: G5T2 — CDFG Status: SC
State: None — State: S2

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. 45 — Map Index: 09857 — **Dates Last Seen**
Occ Rank: Good — Element: 1999-06-30
Origin: Natural/Native occurrence — Site: 1999-06-30
Presence: Presumed Extant
Trend: Unknown
Main Source: U.S. FISH & WILDLIFE SERVICE 1986 (LIT)
Quad Summary: MILPITAS (3712148/427B)*, MOUNTAIN VIEW (3712241/428A)
County Summary: SANTA CLARA
SNA Summary: Dumbarton Point
Location: SALT PONDS, GUADALUPE SLOUGH, & CONFLUENCE OF SAN THOMAS AQUINAS & CALABAZAS CREEKS, N OF HIGHWAY 237.
Lat/Long: 37ø25'06" / 121ø59'43" — Township: 06S
UTM: Zone-10 N4141577 E588905 — Range: 01W
Mapping Precision: NON-SPECIFIC — Section: 08 Qtr XX
Symbol Type: POLYGON — Meridian: M
Area: 397.6 ac — Elevation: 5 ft

Comments
Distribution: ALVISO SALT PONDS A8 AND A4, CALABAZAS CREEK MARSH (OBS MADE FROM 11 POINTS ALONG CREEK)
Ecological: NESTS IN TIDAL, BRACKISH MARSH. VEGETATION TYPES: ALKALI BULRUSH(SCIRPUS ROBUSTUS), CALIFORNIA BULRUSH (S. CALIFORNICUS), PEPPERGRASS (LEPIDIUM LATIFOLIUM), TYPHA SP
Threat:
General: 1999: POND A4, 1-6 OBS EACH TIME FROM 3/10-6/30 (10 SAMPLE DAYS=SD); POND A8, 1-6 OBS FROM 5/13-6/30 (8 SD); MARSH, 15-32 OBS (8 SD). 6 PAIRS OBSERVED ALONG GUADALUPE CREEK DURING MARCH TO JULY 1985 SURVEY.
Owner/Manager: SANTA CLARA VALLEY WATER DIST

Source Codes
FWS86R03, RYA99F01, RYA99F03, RYA99F02

GEOTHLYPIS TRICHAS SINUOSA (cont.)
SALTMARSH COMMON YELLOWTHROAT — Element Code: ABPBX1201A

Status — **NDDB Element Ranks** — **Other Lists**

Federal: None — Global: G5T2 — CDFG Status: SC
State: None — State: S2

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. 71 — Map Index: 40300 — **Dates Last Seen**
Occ Rank: Good — Element: 1998-08-11
Origin: Natural/Native occurrence — Site: 1998-08-11
Presence: Presumed Extant
Trend: Unknown
Main Source: LYNCH, S. & G. MONK 1998 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA, SANTA CLARA
SNA Summary:

Location: IRRIGATION CHANNEL "B," AT THE SOUTH END OF BAYSIDE BUSINESS PARK, OFF OF WARREN AVENUE, WEST SIDE OF I-880, FREMONT.

Lat/Long: 37ø27'48" / 121ø55'49" — Township: 05S
UTM: Zone-10 N4146620 E594580 — Range: 01W
Mapping Precision: SPECIFIC — Section: 25 Qtr XX
Symbol Type: POLYGON — Meridian: M
Area: 29.9 ac — Elevation: 1 ft

Comments

Distribution: LOCATED IMMEDIATELY ADJACENT TO DON EDWARDS NATIONAL WILDLIFE REFUGE. SITE SURROUNDED BY LANDFILL TO THE SOUTH AND A USFWS REFUGE TO THE NORTH.
Ecological: HABITAT CONSISTS OF BULRUSH GROWING ALONG THE IRRIGATION CHANNEL, WITH COYOTE BRUSH ON THE ADJACENT UPLANDS.
Threat:
General: 5 ADULTS AND 1 JUVENILE MALE OBSERVED FORAGING BETWEEN 0700 AND 0800 HOURS, BUT NO BIRDS WERE FOUND LATER IN THE MORNING.
Owner/Manager: UNKNOWN

Source Codes

LYN98F07

GEOTHLYPIS TRICHAS SINUOSA (cont.)
SALTMARSH COMMON YELLOWTHROAT Element Code: ABPBX1201A

Status
Federal: None Global: G5T2 CDFG Status: SC
State: None State: S2

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. 72 Map Index: 41564 Dates Last Seen
Occ Rank: Unknown Element: 1985-XX-XX
Origin: Natural/Native occurrence Site: 1985-XX-XX
Presence: Presumed Extant
Trend: Unknown
Main Source: U.S. FISH & WILDLIFE SERVICE 1986 (LIT)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:
Location: ALVISO SLOUGH AT ALVISO.
Lat/Long: 37ø25'23" / 121ø58'37" Township: 06S
UTM: Zone-10 N4142103 E590509 Range: 01W
Mapping Precision: SPECIFIC Section: 09 Qtr XX
Symbol Type: POINT Meridian: M
Radius: 80 meters Elevation: 5 ft

Comments
Distribution:
Ecological: NESTS IN TIDAL, BRACKISH MARSH.
Threat:
General: 1 BREEDING PAIR OBSERVED ALONG ALVISO SLOUGH DURING MARCH TO JULY 1985 SURVEY.
Owner/Manager: UNKNOWN

Source Codes
FWS86R03

AGELAIUS TRICOLOR
TRICOLORED BLACKBIRD Element Code: ABPBXB0020

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

Habitat Associations
General: (NESTING COLONY) 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.

* SENSITIVE *
Occurrence No. 26 Map Index: 36914 Dates Last Seen
Occ Rank: Unknown Element: 1971-05-11
Origin: Natural/Native occurrence Site: 1971-05-11
Presence: Presumed Extant
Trend: Unknown
Main Source: HOSEA, R. 1986 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:

Location: *SENSITIVE* Location information suppressed.

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

Comments
Distribution: Please contact the Calfornia Natural Diversity Database, California Department of Fish and Game, for more information: (916) 324-3812.
Ecological: THISTLE, MUSTARD; NO WATER PRESENT.
Threat:
General:
Owner/Manager:

Source Codes
HOS86U02, BEE91R01

AGELAIUS TRICOLOR (cont.)
TRICOLORED BLACKBIRD Element Code: ABPBXB0020

StatusNDDB Element RanksOther Lists
Federal: None Global: G3 CDFG Status: SC
State: None State: S3

Habitat Associations
General: (NESTING COLONY) 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.

* SENSITIVE *
Occurrence No. 257 Map Index: 24012 Dates Last Seen
Occ Rank: Unknown Element: 1985-05-05
Origin: Natural/Native occurrence Site: 1985-05-05
Presence: Presumed Extant
Trend: Unknown
Main Source: BEEDY, E. ET AL 1991 (LIT)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:
Location: *SENSITIVE* Location information suppressed.
* SENSITIVE * Lat/Long: / Township:
UTM: Range:
Mapping Precision: Section: Qtr
Symbol Type: Meridian:
Radius: Elevation:

Comments
Distribution: Please contact the Calfornia Natural Diversity Database, California Department of Fish and Game, for more information: (916) 324-3812.
Ecological: NESTING SUBSTRATE INCLUDES YELLOW STAR THISTLE, BULL THISTLE, AND WILD RADISH, ALTHOUGH THE MAJORITY OF NESTS IS FOUND IN A WALNUT TREE.
Threat: POTENTIAL THREATS INCLUDE ANNUAL MOWING (FIRE PROTECTION) AND POTENTIAL URBAN DEVELOPMENT.
General:
Owner/Manager:

Source Codes
BEE91R01

AGELAIUS TRICOLOR (cont.)
TRICOLORED BLACKBIRD Element Code: ABPBXB0020

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

Habitat Associations
General: (NESTING COLONY) 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.

* SENSITIVE *
Occurrence No. 258 Map Index: 24013 Dates Last Seen
Occ Rank: Unknown Element: 1985-05-05
Origin: Natural/Native occurrence Site: 1985-05-05
Presence: Presumed Extant
Trend: Unknown
Main Source: BEEDY, E. ET AL 1991 (LIT)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:
Location: *SENSITIVE* Location information suppressed.
* SENSITIVE * Lat/Long: / Township:
UTM: Range:
Mapping Precision: Section: Qtr
Symbol Type: Meridian:
Radius: Elevation:

Comments
Distribution: Please contact the Calfornia Natural Diversity Database, California Department of Fish and Game, for more information: (916) 324-3812.
Ecological: NESTING SUBSTRATE CONSISTS OF MILK THSTLE, BULL THISTLE, MUSTARD, WILD RADISH, AND ANNUAL GRASSES.
Threat: THREATS INCLUDE MOWING (FOR FIRE CONTROL), HERBICIDES, ANF POTENTIAL DEVELOPMENT.
General:
Owner/Manager:

Source Codes
BEE91R01

SOREX VAGRANS HALICOETES
SALT-MARSH WANDERING SHREW Element Code: AMABA01071

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T1
State: S1

Other Lists
CDFG Status: SC

Habitat Associations
General: SALT MARSHES OF THE SOUTH ARM OF SAN FRANCISCO BAY.
Micro: MEDIUM HIGH MARSH 6-8 FT ABOVE SEA LEVEL WHERE ABUNDANT DRIFTWOOD IS SCATTERED AMONG SALICORNIA.

Occurrence No. 1 Map Index: 09894

Dates Last Seen
Element: 1976-XX-XX
Site: 1980-XX-XX

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Decreasing
Main Source: U.S. FISH & WILDLIFE SERVICE 1986 (LIT)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary: Dumbarton Point
Location: NEW CHICAGO MARSH, 1 TO 1.75 MI NE OF ALVISO ON N SIDE OF LOS ESTEROS RD.
Lat/Long: 37ø26'05" / 121ø57'53"
UTM: Zone-10 N4143402 E591589
Mapping Precision: NON-SPECIFIC
Symbol Type: POLYGON
Area: 451.5 ac
Township: 06S
Range: 01W
Section: 03 Qtr XX
Meridian: M
Elevation: 0

Comments
Distribution:
Ecological: DIKED SALT MARSH W/SOME PORTIONS BECOMING INCREASINGLY BRACKISH.
Threat:
General: MVZ SPECIMENS COLLECTED FROM 1950-51 & 1970: 139194-95, 114979-115052, 115512-16, 115521-39. LAST KNOWN RECORD OF A SHREW CAPTURE WAS IN 1976, LISTED ONLY AS S. VAGRANS. AREA TRAPPED IN 1975, 1977 & 1980 W/NO SHREWS RECORDED.
Owner/Manager: USFWS, PVT-LESLIE SALT CO

Source Codes
WES86R01, MVZ81S01

SOREX VAGRANS HALICOETES (cont.)
SALT-MARSH WANDERING SHREW Element Code: AMABA01071

Status — **NDDB Element Ranks** — **Other Lists**
Federal: None Global: G5T1 CDFG Status: SC
State: None State: S1

Habitat Associations
General: SALT MARSHES OF THE SOUTH ARM OF SAN FRANCISCO BAY.
Micro: MEDIUM HIGH MARSH 6-8 FT ABOVE SEA LEVEL WHERE ABUNDANT DRIFTWOOD IS SCATTERED AMONG SALICORNIA.

Occurrence No. 10 Map Index: 09825 **Dates Last Seen**
Occ Rank: None Element: 1951-08-05
Origin: Natural/Native occurrence Site: 1951-08-05
Presence: Extirpated
Trend: Unknown
Main Source: U.S. FISH & WILDLIFE SERVICE 1986 (LIT)
Quad Summary: MILPITAS (3712148/427B)*, MOUNTAIN VIEW (3712241/428A)
County Summary: SANTA CLARA
SNA Summary:
Location: ONE MILE SSW OF ALVISO.
Lat/Long: 37ø24'45" / 121ø59'32" Township: 06S
UTM: Zone-10 N4140906 E589184 Range: 01W
Mapping Precision: NON-SPECIFIC Section: XX Qtr XX
Symbol Type: POINT Meridian: M
Radius: 1 mile Elevation: 5 ft

Comments
Distribution:
Ecological: NO SUITABLE HABITAT REMAINS DUE TO URBANIZATION.
Threat:
General: MVZ SPECIMENS #115053-55 COLLECTED IN 1951.
Owner/Manager: UNKNOWN

Source Codes
WES86R01, MVZ81S01

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. 80 Map Index: 10006
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown
Main Source: JENNINGS, V. 1985 (LIT)

Dates Last Seen
Element: 1985-10-30
Site: 1985-10-30

Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary: Dumbarton Point

Location: END OF N-MOST EXTENSION OF MUD SLOUGH CLOSE TO OLD LANDING RD, FREMONT.

Lat/Long: 37ø28'47" / 121ø56'55"
UTM: Zone-10 N4148406 E592961
Mapping Precision: NON-SPECIFIC
Symbol Type: POINT
Radius: 1/5 mile

Township: 05S
Range: 01W
Section: XX Qtr XX
Meridian: M
Elevation: 3 ft

Comments
Distribution: 4 SMHM CAPTURES, ONE RECAPTURE.
Ecological: NON-TIDAL SITE IS BORDERED ON NORTH BY A CLOSED SEWAGE DISPOSAL PLANT AND ON EAST, WEST, AND SOUTH BY LEVEE ROADS.
Threat:
General:
Owner/Manager: UNKNOWN

Source Codes
JEN85R01

REITHRODONTOMYS RAVIVENTRIS (cont.)
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.

Occurrence No. 81 Map Index: 09811 Dates Last Seen
Occ Rank: Unknown Element: 1984-XX-XX
Origin: Natural/Native occurrence Site: 1984-XX-XX
Presence: Presumed Extant
Trend: Unknown
Main Source: SHELLHAMMER, H. 1984 (LIT)
Quad Summary: MILPITAS (3712148/427B)*, MOUNTAIN VIEW (3712241/428A)
County Summary: ALAMEDA
SNA Summary: Dumbarton Point
Location: ALBRAE SLOUGH, TRIB TO COYOTE CRK, JUST W OF MUD SLOUGH, FREMONT.
Lat/Long: 37ø28'40" / 122ø00'14" Township: 05S
UTM: Zone-10 N4148123 E588079 Range: 01W
Mapping Precision: SPECIFIC Section: XX Qtr XX
Symbol Type: POLYGON Meridian: M
Area: 130.7 ac Elevation: 3 ft

Comments

Distribution: SMHM CAPTURE(S) BTWN 3 JULY AND 9 SEPT. ALSO TRAPPED AUGUST 22 AND 25, 2 CAPTURES IN 200 TRAPNIGHTS.
Ecological: PICLKLEWEED COMMUNITY AT UPPER END OF LONG, NARROW SLOUGH.
Threat:
General:
Owner/Manager: UNKNOWN

Source Codes

SHE85R01, SHE84R02

REITHRODONTOMYS RAVIVENTRIS (cont.)
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. 91 Map Index: 09884

Dates Last Seen
Element: 1990-10-26
Site: 1990-10-26

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown
Main Source: ANDERSON, J. & V. JENNINGS 1986 (LIT)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary: Dumbarton Point
Location: TRIANGLE MARSH, TWO MI N OF ALVISO SW OF WHERE SP RR TRACKS CROSS COYOTE CREEK.
Lat/Long: 37ø27'26" / 121ø58'42"
UTM: Zone-10 N4145870 E590353
Mapping Precision: SPECIFIC
Symbol Type: POLYGON
Area: 79.3 ac
Township: 05S
Range: 01W
Section: XX Qtr XX
Meridian: M
Elevation: 3 ft

Comments
Distribution: 5 CAPTURES DURING 600 TRAPNIGHTS: 300 FROM 6/26 TO 6/28, 1986, AND 300 FROM 8/15 TO 8/17, 1986. 2 CAPTURES DURING 300 TRAPNIGHTS FROM 7/30 TO 8/1, 1983 AND 2 CAPTURED DURING 384 TRAPNIGHTS (TRAPPED 8/1, 8/2, 8/4, & 8/6, 1983).
Ecological: PICKLEWEED / ALKALI BULRUSH COMBINATION ON MARSH
Threat: LESLIE SALT DIKE HEIGHTENING ACTIVITIES IMPACTING HABITAT
General: MAY 1990, 14 AND 18 INDIVIDUALS WERE CAPTURED, IN OCTOBER 10 WERE CAPTURED.
Owner/Manager: SAN FRANCISCO BAY NWR

Source Codes
SHE85R01, AND86R01, SHE90F11, SHE90F12

REITHRODONTOMYS RAVIVENTRIS (cont.)
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.

Occurrence No. 92 Map Index: 09810 Dates Last Seen
Occ Rank: Unknown Element: 1986-08-XX
Origin: Natural/Native occurrence Site: 1986-08-XX
Presence: Presumed Extant
Trend: Unknown
Main Source: ANDERSON, J. & V. JENNINGS 1986 (LIT)
Quad Summary: MILPITAS (3712148/427B)*, MOUNTAIN VIEW (3712241/428A)
County Summary: SANTA CLARA
SNA Summary: Dumbarton Point
Location: COYOTE CREEK MARSH, 2.3 MI NNW OF ALVISO.
Lat/Long: 37ø27'45" / 121ø59'55" Township: 05S
UTM: Zone-10 N4146443 E588557 Range: 01W
Mapping Precision: SPECIFIC Section: XX Qtr XX
Symbol Type: POLYGON Meridian: M
Area: 53.3 ac Elevation: 3 ft

Comments
Distribution: THIS SITE WAS TRAPPED IN 1981 WITH NO CAPTURES; IN 1986, 2 SMHM WERE CAPTURED DURING 300 TRAPNIGHTS.
Ecological:
Threat:
General:
Owner/Manager: UNKNOWN

Source Codes
AND86R01

REITHRODONTOMYS RAVIVENTRIS (cont.)
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. 93 Map Index: 09918
Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Decreasing
Main Source: ANDERSON, J. & V. JENNINGS 1986 (LIT)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary: Dumbarton Point
Location: BOTH SIDES OF MUD SLOUGH JUST E OF DRAWBRIDGE (SPRR TRACKS),2.2 MI N ALVISO.

Dates Last Seen
Element: 1981-XX-XX
Site: 1986-08-XX

Lat/Long: 37ø28'03" / 121ø58'11"
UTM: Zone-10 N4147029 E591109
Mapping Precision: NON-SPECIFIC
Symbol Type: POINT
Radius: 1/5 mile
Township: 05S
Range: 01W
Section: XX Qtr XX
Meridian: M
Elevation: 3 ft

Comments
Distribution: 6 SMHM CAPTURES IN 1981; ZERO SMHM CAPTURES DURING 300 TRAPNIGHTS IN 1986.
Ecological: THIS SITE UNDERWENT EXTENSIVE DREDGE SPOIL DUMPING SINCE THE 1981 TRAPPING. IT IS UNKNOWN WHETHER SUFFICIENT VEGETATION WAS AVAILABLE IMMEDIATELY FOLLOWING THE DREDGING TO SUSTAIN SMHM.
Threat:
General:
Owner/Manager: UNKNOWN

Source Codes
AND86R01

REITHRODONTOMYS RAVIVENTRIS (cont.)
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. 97 Map Index: 10051

Dates Last Seen
Occ Rank: Unknown Element: 1985-XX-XX
Origin: Natural/Native occurrence Site: 1985-XX-XX
Presence: Presumed Extant
Trend: Unknown
Main Source: HARVEY & STANLEY ASSOC. 1985 (LIT)

Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA, SANTA CLARA
SNA Summary: Dumbarton Point

Location: WARM SPRINGS SITE, 2 MI S OF FREMONT BTWN COYOTE CREEK AND NIMITZ FWY.

Lat/Long: 37ø27'49" / 121ø56'04" Township: 05S
UTM: Zone-10 N4146632 E594233 Range: 01W
Mapping Precision: NON-SPECIFIC Section: XX Qtr XX
Symbol Type: POINT Meridian: M
Radius: 1/5 mile Elevation: 4 ft

Comments
Distribution: ONE INDIV CAPTURED IN THE DRIER, SPARSER WESTERN AREA OF THE SITE.
Ecological:
Threat:
General: DURING PROJECT NEGOTIATIONS, THIS AREA WAS SET ASIDE AS A PRESERVE FOR THE SMHM BUT IT IS UNKNOWN IF THERE IS A MANAGEMENT PLAN.
Owner/Manager: PVT

Source Codes
HAR85R03, SHE85R02

REITHRODONTOMYS RAVIVENTRIS (cont.)
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.

Occurrence No. 98 Map Index: 10068 Dates Last Seen
Occ Rank: Fair Element: 1998-08-10
Origin: Natural/Native occurrence Site: 1998-08-10
Presence: Presumed Extant
Trend: Unknown
Main Source: HARVEY & STANLEY ASSOC. 1985 (LIT)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary: Dumbarton Point

Location: SAN FRANCISCO BAY NMR, MARSHLAND ADJACENT TO OLD FREMONT AIRPORT RUNWAY, BETWEEN COYOTE CREEK AND NIMITZ (880) FREEWAY.

Lat/Long: 37ø27'35" / 121ø55'47" Township: 05S
UTM: Zone-10 N4146216 E594661 Range: 01W
Mapping Precision: SPECIFIC Section: XX Qtr XX
Symbol Type: POLYGON Meridian: M
Area: 28.7 ac Elevation:

Comments

Distribution: SITE TRAPPED MAY 3-14, 1986 (900 TRAPNIGHTS) WITH 5 SMHM CAPTURED. SITE TRAPPED SEPT 12-OCT 1, 1986 (2400 TRAPNIGHTS) WITH 27 SMHM CAPTURED.

Ecological: HABITAT CONSISTS OF NORTHERN COASTAL SALTMARSH, VEGETATED BY PICKLEWEED, WITH VARYING AMOUNTS OF ALKALI HEATH, SALT GRASS, AND OTHER MARSH SPECIES.

Threat:

General: 7 ADULT MICE OBSERVED 1989. THIS AREA HAS BEEN DESIGNATED AS A SALT MARSH HARVEST MOUSE PRESERVE AND WILL BE MANAGED ACCORDINGLY. 1 ADULT AND 1 JUVENILE TRANSPLANTED HERE ON 10 AUG 98 FROM A SITE LOST DUE TO WIDENING OF DIXON LANDING ROAD.

Owner/Manager: USFWS, PVT

Source Codes

SHE86R01, HAR85R05, MON98F03, FOE89F01, SHE85R02

REITHRODONTOMYS RAVIVENTRIS (cont.)

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.

Occurrence No. 110 Map Index: 09902 Dates Last Seen

Occ Rank: Unknown Element: 1985-09-14
Origin: Natural/Native occurrence Site: 1985-09-14
Presence: Presumed Extant
Trend: Unknown
Main Source: SHELLHAMMER, H. ET AL 1985 (LIT)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary: Dumbarton Point

Location: NEW FREMONT AIRPORT SITE, ALONG SPRR TRACKS JUST N OF MUD SLOUGH, FREMONT.

Lat/Long: 37ø28'39" / 121ø58'20" Township: 05S
UTM: Zone-10 N4148134 E590875 Range: 01W
Mapping Precision: SPECIFIC Section: XX Qtr XX
Symbol Type: POLYGON Meridian: M
Area: 54.5 ac Elevation: 3 ft

Comments

Distribution: 13 CAPTURES AND 3 RECAPTURES DURING 900 TRAPNIGHTS.

Ecological: HABITAT CONSISTS OF NARROW BANDS OF VEGETATION BORDERING THE SPRR TRACKS AND SALT EVAPORATORS. VEGETATION CONSISTS OF SPARSE TO DENSE SALICORNIA, WITH NARROW UPLAND BORDERS OF MISC GRASSES, FRANKENIA GRANDIFOLIA, AND DISTICHLIS SPICATA.

Threat:
General:
Owner/Manager: PVT-CARUFF CORP

Source Codes

SHE85R02

REITHRODONTOMYS RAVIVENTRIS (cont.)
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.

Occurrence No. 115 Map Index: 09894 **Dates Last Seen**
Occ Rank: Good Element: 1990-12-16
Origin: Natural/Native occurrence Site: 1990-12-16
Presence: Presumed Extant
Trend: Unknown
Main Source: SHELLHAMMER, H. 1986 (LIT)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary: Dumbarton Point
Location: NEW CHICAGO MARSH, JUST N OF ALVISO, SAN FRANCISCO BAY NATIONAL WILDLIFE REFUGE AND OWENS CORNING PROPERTY.
Lat/Long: 37ø26'05" / 121ø57'53" Township: 06S
UTM: Zone-10 N4143402 E591589 Range: 01W
Mapping Precision: NON-SPECIFIC Section: 03 Qtr XX
Symbol Type: POLYGON Meridian: M
Area: 451.5 ac Elevation: 0

Comments

Distribution: SMHM TRAPPING OVER THE PAST 25 YEARS HAS YIELDED FEW MICE. DURING 3.5 MONTHS OF TRAPPING DURING 1986, 65 SMHM WERE CAPTURED A TOTAL OF 360 TIMES.
Ecological: DIKED-OFF MARSH BISECTED W/DEEP TIDAL SLOUGH REMNANTS (FOR ABOUT 35 YEARS). SITE IS RAIN-SOAKED, OFTEN ALGAE-COATED PICKLEWEED-DOMINATED MARSH. LOWER, SE PORTION DRY, SPARCE PICKLEWEED.
Threat: DUMP EXPANSION (PVT LAND). BETTER WATER MANAGEMENT COULD HELP THIS SITE.
General: 8 ADULT MICE OBSERVED 12/16/1990 IN REFUGE, ALSO 6 CAPTURED 5/7-11/1990 ON PVT (SE) PORTION OF THE SITE.
Owner/Manager: USFWS, PVT

Source Codes

ZET77A01, SHE86R01, SHE90F05, SHE85R01, SHE90F15

REITHRODONTOMYS RAVIVENTRIS (cont.)
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. 116 Map Index: 10047

Dates Last Seen
Element: 1990-10-05
Site: 1990-10-05

Occ Rank: Fair
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown
Main Source: SHELLHAMMER, H. ET AL 1985 (LIT)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary: Dumbarton Point
Location: N END OF THE SAN JOSE-SANTA CLARA SEWAGE DISPOSAL PONDS, DIXON ROAD AND HIGHWAY 880 AND COYOTE CREEK, SAN JOSE.
Lat/Long: 37ø26'55" / 121ø55'35"
UTM: Zone-10 N4144968 E594968
Mapping Precision: NON-SPECIFIC
Symbol Type: POLYGON
Area: 134.0 ac
Township: 05S
Range: 01W
Section: 36 Qtr XX
Meridian: M
Elevation: 3 ft

Comments
Distribution: TRAPS SET ALONG EDGES OF SLUDGE LAGOONS AND FLOOD CONTROL CHANNEL. ONE LOCATION TRAPPED 6/4 TO 6/6, 1985 WITH ONE SMHM CAPTURE IN 450 TRAPNIGHTS. OTHER SITE TRAPPED 6/20 TO 6/22, 1985 WITH 10 CAPTURES IN 450 TRAPNIGHTS.
Ecological: MOST OF TRAPPING SITE SPARSELY VEGETATED WITH SALICORNIA AND/OR MIXED WITH GRASSES AND OTHER SALTMARSH VEGETATION.
Threat: FLOOD CONTROL CHANNEL.
General: AT FLOOD CONTROL CHANNEL SITE (NE PORTION OF THE SITE) 7 SMHM TRAPPED 10/1-5/1990.
Owner/Manager: SANTA CLARA VALLEY WATER DIST

Source Codes
SHE85R01, SHE90F09

REITHRODONTOMYS RAVIVENTRIS (cont.)
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.

Occurrence No. 147 Map Index: 37655 Dates Last Seen
Occ Rank: Poor Element: 1990-06-29
Origin: Natural/Native occurrence Site: 1990-06-29
Presence: Presumed Extant
Trend: Unknown
Main Source: SHELLHAMMER, H. 1990 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:
Location: NEWBY ISLAND MARSH, 2.5 MILES NE OF ALVISO, COYOTE CREEK AREA, SOUTH SAN FRANCISCO BAY.
Lat/Long: 37ø27'34" / 121ø57'01" Township: 05S
UTM: Zone-10 N4146148 E592828 Range: 01W
Mapping Precision: NON-SPECIFIC Section: 34 Qtr XX
Symbol Type: POLYGON Meridian: M
Area: 19.8 ac Elevation: 0

Comments
Distribution: SW DIKE ON NEWBY ISLAND MARSH.
Ecological: DIKE MAINLY OF NON-PERIPHERAL HALOPHYTE VEGETATION FAR FROM EXTENSIVE PICKLEWEED OR OTHER PERIPHERAL HALOPHYTES.
Threat:
General: 2 CAPTURED 1990.
Owner/Manager: UNKNOWN

Source Codes
SHE90F10

REITHRODONTOMYS RAVIVENTRIS (cont.)
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. 159 Map Index: 38008

Dates Last Seen
Occ Rank: Good Element: 1996-10-29
Origin: Natural/Native occurrence Site: 1996-10-29
Presence: Presumed Extant
Trend: Unknown
Main Source: MONK, J. & S. LYNCH 1996 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:

Location: AT PG&E UTILITY TOWER ADJACENT TO HIGHWAY 880 AND FLOOD CONTROL CHANNEL B, APPROX 1000 FT NNE OF OLD FREMONT AIRPORT.

Lat/Long: 37ø27'52" / 121ø55'36" Township: 05S
UTM: Zone-10 N4146732 E594910 Range: 01W
Mapping Precision: SPECIFIC Section: 25 Qtr XX
Symbol Type: POINT Meridian: M
Radius: 80 meters Elevation: 5 ft

Comments
Distribution:
Ecological: SITE NO LONGER TIDALLY INFLUENCED, ALTHOUGH FLOOD CHANNEL B APPROX. 80 FT N IS. TOTAL PLANT COVER: SALCORNIA VIRGINICA ~40%, LOLIUM MULTIFLORUM ~20%, HARDEUM MARINUM ~20%, BARE GROUND ~18%.
Threat: BUSINESS PARK IMMEDIATELY NORTH OF CAPTURE SITE; THIS SITE IS PROPOSED FOR A NEW BUSINESS PARK.
General: 2 JUVENILES CAPTURED 1996.
Owner/Manager: PVT

Source Codes
MON96F04

REITHRODONTOMYS RAVIVENTRIS (cont.)
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.

Occurrence No. 160 Map Index: 40303 Dates Last Seen
Occ Rank: None Element: 1998-08-10
Origin: Natural/Native occurrence Site: 1998-08-10
Presence: Extirpated
Trend: Decreasing
Main Source: MONK, J. & S. LYNCH 1998 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:

Location: WEST END OF DIXON LANDING ROAD, JUST WEST OF HWY 17, MILPITAS.

Lat/Long: 37ø27'15" / 121ø55'20" Township: 05S
UTM: Zone-10 N4145624 E595325 Range: 01W
Mapping Precision: SPECIFIC Section: 36 Qtr XX
Symbol Type: POINT Meridian: M
Radius: 80 meters Elevation: 5 ft

Comments

Distribution:
Ecological: HABITAT CONSISTS OF DIKED SALTMARSH, VEGETATED BY SALICORNIA AND DISTICHLIS; PILES OF CONCRETE RUBBLE PROVIDED HOUSE MOUSE HABITAT.
Threat: SITE LOST DUE TO WIDENING OF DIXON LANDING ROAD FOR MCCARTHY RANCH.
General: 1 ADULT AND 1 JUVENILE CAPTURED BETWEEN 3-10 AUGUST 1998. BOTH MICE WERE RELOCATED TO THE USFWS "WARM SPRINGS MOUSE PASTURE UNIT" OF DON EDWARDS S.F.BAY NWR.
Owner/Manager: PVT-MCCARTHY RANCH

Source Codes

MON98F03

NORTHERN COASTAL SALT MARSH

Element Code: CTT52110CA

Status
Federal: None
State: None

NDDB Element Ranks
Global: G3
State: S3.2

Other Lists

Habitat Associations
General:
Micro:

Occurrence No. 15 Map Index: 09495

Dates Last Seen
Element: 1977-06-XX
Site: 1987-05-29

Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown
Main Source: JONES & STOKES ASSOC. 1979 (LIT)

Quad Summary: MOUNTAIN VIEW (3712241/428A)*, MILPITAS (3712148/427B), PALO ALTO (3712242/428B), REDWOOD POINT (3712252/447C)
County Summary: SANTA CLARA, SAN MATEO
SNA Summary: Dumbarton Point

Location: NE PALO ALTO S SAN FRANCISCO BAY.

Lat/Long: 37ø28'02" / 122ø07'14"
UTM: Zone-10 N4146865 E577760
Mapping Precision: SPECIFIC
Symbol Type: POLYGON
Area: 1,280.8 ac

Township: 05S
Range: 02W
Section: XX Qtr XX
Meridian: M
Elevation: 10 ft

Comments

Distribution: FRINGE OF BAY.
Ecological: PARTS OF THE MARSH CONTAIN POCKETS OF FRESH WATER, BUT MAJORITY OF AREA IS SALT. DOMINANTS INCLUDE SALICORNIA. VIRGINICA, SPROTINA FOLIOSA, DISTICHLIS SPICATA, AND FRANKENIA GRANDIFLORA.
Threat: NEXT TO SALT PONDS, GOLF COURSE, INDUSTRY AND HOUSING.
General: UNDISTURBED PORTIONS ARE IN EXCELLENT CONDITION. OTHER PARTS ARE OF VARIABLE QUALITY. THIS WAS OCC #015 OF CTT52110CA.
Owner/Manager: UNKNOWN

Source Codes

CUN87R01, JON79R02, SCH87F40

NORTHERN COASTAL SALT MARSH (cont.)

Element Code: CTT52110CA

Status — **NDDB Element Ranks** — **Other Lists**

Federal: None | Global: G3

State: None | State: S3.2

Habitat Associations

General:

Micro:

Occurrence No. 16 | Map Index: 09551 | **Dates Last Seen**

Occ Rank: Unknown | Element: 1985-10-24

Origin: Natural/Native occurrence | Site: 1985-11-XX

Presence: Presumed Extant

Trend: Unknown

Main Source: JONES & STOKES ASSOC. 1979 (LIT)

Quad Summary: NEWARK (3712251/447D)*, MILPITAS (3712148/427B), MOUNTAIN VIEW (3712241/428A)

County Summary: ALAMEDA, SANTA CLARA

SNA Summary: Dumbarton Point

Location: DUMBARTON PT, SE SAN FRANCISCO BAY.

Lat/Long: 37ø29'36" / 122ø01'21" | Township: 05S

UTM: Zone-10 N4149853 E586421 | Range: 02W

Mapping Precision: SPECIFIC | Section: XX Qtr XX

Symbol Type: POLYGON | Meridian: M

Area: 4,056.6 ac | Elevation: 15 ft

Comments

Distribution: FRINGE OF ISLANDS. PORTION OF AREA IMMEDIATELY SOUTH OF THORNTON AVE DOMINATED BY SALICORNIA.

Ecological: 25% OF COVER IS SALICORNIA VIRGINICA, 20% IS DISTICHLIS SPICATA, 10% IS JAUMEA CARNOSA.

Threat: DEVELOPMENT A THREAT PER HOCH, SEEN 1985. NEXT TO SALT PONDS.

General: THIS WAS OCC #016 OF CTT52110CA.

Owner/Manager: PVT-LESLIE SALT CO

Source Codes

CUN87R01, JON79R02, HOC85F01

LEPIDURUS PACKARDI
VERNAL POOL TADPOLE SHRIMP Element Code: ICBRA10010

Status — **NDDB Element Ranks** — **Other Lists**

Federal: Endangered Global: G2G3 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. 60 Map Index: 34780 **Dates Last Seen**
Occ Rank: Good Element: 1995-03-23
Origin: Natural/Native occurrence Site: 1995-03-23
Presence: Presumed Extant
Trend: Unknown
Main Source: SFBNWR 1993 (MAP)

Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:

Location: WSW OF FREMONT IN THE SALT EVAPORATORS; 1.5 KM SE OF ALBRAE.

Lat/Long: 37ø29'18" / 121ø58'22" Township: 05S
UTM: Zone-10 N4149346 E590820 Range: 01W
Mapping Precision: SPECIFIC Section: 21 Qtr XX
Symbol Type: POLYGON Meridian: M
Area: 11.6 ac Elevation: 7 ft

Comments

Distribution: NORTHWEST DUCK PONDS ON WARM SPRINGS SEASONAL WETLAND; SURROUNDING AREA IS IDLE.
Ecological: VERNAL POOL/GRASSLAND COMMUNITY.
Threat: POSSIBLE THREAT: EXOTIC VEGETATION.
General: LOCATION OF PONDS WHERE TADPOLE SHRIMP WERE FOUND BY SAN FRANCISCO BAY NATIONAL WILDLIFE REFUGE: 3/19/93-1+ BREEDING ADULTS OBSERVED AND L. SERPA COLLECTED, 3/23/95-5 BREEDING ADULTS OBSERVED.
Owner/Manager: USFWS-SAN FRANCISCO BAY NWR

Source Codes

ALB95F01, SFB93M01, ALB93F07

LEPIDURUS PACKARDI (cont.)

VERNAL POOL TADPOLE SHRIMP Element Code: ICBRA10010

Status	NDDB Element Ranks	Other Lists
Federal: Endangered	Global: G2G3	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. 61 Map Index: 34781 Dates Last Seen

Occ Rank: Good Element: 1997-03-31

Origin: Natural/Native occurrence Site: 1997-03-31

Presence: Presumed Extant

Trend: Unknown

Main Source: ALBERTSON, J. ET AL 1993 (OBS)

Quad Summary: MILPITAS (3712148/427B)

County Summary: ALAMEDA

SNA Summary:

Location: 1.1 MILES WSW OF CUSHING RO AND HIGHWAY 880 FREMONT, JUST NORTH OF SALT EVAPORATORS, 1.3 MILES SE OF ALBRAE, SFBNR.

Lat/Long: 37ø29'05" / 121ø58'01" Township: 05S

UTM: Zone-10 N4148946 E591325 Range: 01W

Mapping Precision: SPECIFIC Section: 21 Qtr XX

Symbol Type: POLYGON Meridian: M

Area: 21.6 ac Elevation: 7 ft

Comments

Distribution: SOUTHEAST PONDS OF WARM SPRINGS SEASONAL WETLANDS. 1997 OBS IN SEASONAL WETLANDS FORMED BY SCRAPING 6 YEARS AGO, SOME VERNAL POOL PLANTS MANY WEEDY NON-NATIVES.

Ecological: HABITAT CONSISTS OF VERNAL POOL/GRASSLAND COMMUNITIES; VEGETATION VARIED ON SALINITY AND DEPTH OF POND; PERIPHERY OF SHALLOW POND AREAS USUSALLY DOMINATED BY COTULA CORONOPIFOLIA, AND DEEPER AREAS BY OEDOGONIUM SP.

Threat: EXOTIC VEGETATION.

General: 1993: 3/5, 3/12, AND 3/15-BREEDING LEPIDURUS PACKARDI ADULTS OBSERVED IN THE SE PONDS OF REFUGE; MAP PROVIDED THAT SHOWS LOCATIONS OF PONDS DURING THE SPRING OF 1993; AMBYSTOMA CALIFORNIENSE OBSERVED IN POND AREAS. MANY OBSERVED IN 1997.

Owner/Manager: USFWS-SAN FRANCISCO BAY NWR

Source Codes

ALB93F05, SFB93M01, ALB93F06, KUT93R01, ARN97F06, ALB93F04

LEPIDURUS PACKARDI (cont.)
VERNAL POOL TADPOLE SHRIMP Element Code: ICBRA10010

Status NDDB Element Ranks Other Lists
Federal: Endangered Global: G2G3 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. 73 Map Index: 34806 Dates Last Seen
Occ Rank: Fair Element: 1996-03-22
Origin: Natural/Native occurrence Site: 1996-03-22
Presence: Presumed Extant
Trend: Unknown
Main Source: BASTIN, E. 1996 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:
Location: WEST OF FREMONT; APPROX. 1.0 KM SOUTHEAST OF ALBRAE.
Lat/Long: 37ø29'31" / 121ø58'38" Township: 05S
UTM: Zone-10 N4149744 E590415 Range: 01W
Mapping Precision: SPECIFIC Section: XX Qtr XX
Symbol Type: POINT Meridian: M
Radius: 80 meters Elevation: 9 ft

Comments
Distribution:
Ecological: SEASONAL MARSH HABITAT SURROUNDED BY NON-NATIVE ANNUAL GRASSLAND.
Threat: POSSIBLE THREAT: CATTLE GRAZING.
General: 4 ADULT TADPOLE SHRIMP OBSERVED IN 2 SMALL POOLS NEARBY A LARGE POOL; HABITAT SLIDES CONTAINED IN DFG-CNDDB ZOOLOGY ELEMENT FILES.
Owner/Manager: PVT

Source Codes
BAS96F01, BAS96R01

CENTROMADIA PARRYI SSP CONGDONII
CONGDON'S TARPLANT Element Code: PDAST4R0P1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T1
State: S1.1

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

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND.
Micro: ALKALINE SOILS, SOMETIMES DESCRIBED AS HEAVY WHITE CLAY. 1-230M.

Occurrence No. 16 Map Index: 10086
Occ Rank: Good
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Stable
Main Source: PRESTON, R. 1998 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:

Dates Last Seen
Element: 1998-10-03
Site: 1998-10-03

Location: WARM SPRINGS DISTRICT, WEST OF THE NIMITZ FREEWAY (I-880) AT CUSHING PARKWAY, FREMONT.

Lat/Long: 37ø29'22" / 121ø56'55"
UTM: Zone-10 N4149505 E592927
Mapping Precision: SPECIFIC
Symbol Type: POLYGON
Area: 9.6 ac

Township: 05S
Range: 01W
Section: 23 Qtr NW
Meridian: M
Elevation: 10 ft

Comments
Distribution: MAPPED SOUTHWEST OF INTERSECTION OF FREMONT BLVD AND CUSHING PARKWAY.
Ecological: ANNUAL GRASSLAND WITH LOLIUM MULTIFLORUM, FRANKENIA SALINA, DISTICHLIS SPICATA, LACTUCA SERRIOLA, AND RUMEX CRISPUS. SOILS MAPPED AS MARVIN SILT LOAM.
Threat: COMMERICAL DEVELOPMENT SURROUNDS ON ALL SIDES.
General: ABOUT 7000 PLANTS OBSERVED IN 1998. HISTORIC COLLECTIONS BY JEPSON (#35030 JEPS) IN 1896 AND SHARSMITH (#5866 SJSU) IN 1951 ARE ATTRIBUTED TO THIS SITE.
Owner/Manager: UNKNOWN

Source Codes
SHA51S04, PRE98S10, JEP96S06, PRE99R01, PRE98F23

CENTROMADIA PARRYI SSP CONGDONII (cont.)
CONGDON'S TARPLANT Element Code: PDAST4R0P1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T1
State: S1.1

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

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND.
Micro: ALKALINE SOILS, SOMETIMES DESCRIBED AS HEAVY WHITE CLAY. 1-230M.

Occurrence No. 17 Map Index: 24671

Dates Last Seen
Occ Rank: None Element: 1928-09-28
Origin: Natural/Native occurrence Site: 1998-10-03
Presence: Possibly Extirpated
Trend: Unknown
Main Source: KECK, D. #455 CAS (HERB)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:
Location: NORTH CITY LIMITS OF MILPITAS.
Lat/Long: 37ø25'59" / 121ø54'21" Township: 06S
UTM: Zone-10 N4143259 E596800 Range: 01E
Mapping Precision: NON-SPECIFIC Section: XX Qtr XX
Symbol Type: POINT Meridian: M
Radius: 1 mile Elevation: 20 ft

Comments
Distribution:
Ecological: SALINE SOILS WITH DISTICHLIS SPICATA, SALICORNIA AMBIGUA, CHENOPODIUM CALIFORNICUM. SALINE SEASONAL WETLAND/MEADOW WITH SALICORNIA, DISTICHLIS, POLYPOGON, AND PARAPHOLIS INCURVA SEARCHED IN 1998.
Threat: FREEWAY, LANDFILL, AND COMMERCIAL DEVELOPMENT IN THE AREA.
General: MAIN SOURCE OF INFORMATION FOR THIS SITE IS 1928 COLLECTION BY KECK. AREA SEARCHED IN 1998 BY R. PRESTON BUT NO PLANTS SEEN. HABITAT APPEARED TO BE GOOD.
Owner/Manager: UNKNOWN

Source Codes
KEC28S01, PRE99R01

CENTROMADIA PARRYI SSP CONGDONII (cont.)
CONGDON'S TARPLANT — Element Code: PDAST4R0P1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T1
State: S1.1

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

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND.
Micro: ALKALINE SOILS, SOMETIMES DESCRIBED AS HEAVY WHITE CLAY. 1-230M.

Occurrence No. 18 — Map Index: 08777

Dates Last Seen
Occ Rank: Good — Element: 1998-10-03
Origin: Natural/Native occurrence — Site: 1998-10-03
Presence: Presumed Extant
Trend: Stable
Main Source: PRESTON, R. 1998 (OBS)

Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:

Location: SUNNYVALE BAYLANDS PARK, NORTHEAST OF JUNCTION OF HIGHWAY 237 AND LAWRENCE EXPRESSWAY (G2), SUNNYVALE.

Lat/Long: 37ø24'38" / 121ø59'45" — Township: 06S
UTM: Zone-10 N4140696 E588861 — Range: 01W
Mapping Precision: SPECIFIC — Section: 17 Qtr XX
Symbol Type: POLYGON — Meridian: M
Area: 5.6 ac — Elevation: 5 ft

Comments
Distribution:
Ecological: SITE PRESENTLY RUDERAL AND SEASONAL WETLAND WITH LOTUS CORNICULATUS, HORDEUM MARINUM SSP GUSSONEANUM, CRYPSIS SCHOENOIDES, POLYPOGON MONSPELIENSIS, AND FRANKENIA SALINA. PLANTS ALSO FOUND IN ANNUAL GRASSLAND WITH LOLIUM MULTIFLORUM.
Threat: PLANTS IN PARK ARE ARE PERIODICALLY MOWED.
General: 6000 PLANTS OBSERVED IN 1998. MOST PLANTS WITHIN 'NATIVE GRASSLAND' RESTORATION AREA. HISTORIC COLLECTION BY D. KECK (#2472 UC) IS FROM THIS VICINITY.
Owner/Manager: CITY OF SUNNYVALE

Source Codes
PRE98F51, KEC33S11, KEC33S21, PRE98S09, PRE99R01

CENTROMADIA PARRYI SSP CONGDONII (cont.)
CONGDON'S TARPLANT Element Code: PDAST4R0P1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T1
State: S1.1

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

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND.
Micro: ALKALINE SOILS, SOMETIMES DESCRIBED AS HEAVY WHITE CLAY. 1-230M.

Occurrence No. 40 Map Index: 42346
Occ Rank: None
Origin: Natural/Native occurrence
Presence: Extirpated
Trend: Unknown
Main Source: PRESTON, R. 1998 (OBS)

Dates Last Seen
Element: 1908-09-19
Site: 1998-10-04

Quad Summary: SAN JOSE EAST (3712137/427D)*, SANTA TERESA HILLS (3712127/407A), LOS GATOS (3712128/407B), SAN JOSE WEST (3712138/427C), CALAVERAS RESERVOIR (3712147/427A), MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:
Location: EAST SAN JOSE.

Lat/Long: 37ø18'52" / 121ø51'39"
UTM: Zone-10 N4130163 E600928
Mapping Precision: NON-SPECIFIC
Symbol Type: POINT
Radius: 5 mile

Township: 07S
Range: 01E
Section: 21 Qtr XX
Meridian: M
Elevation: 100 ft

Comments
Distribution: EXACT LOCATION NOT KNOWN. MAPPED IN GENERAL AREA OF EASTERN SAN JOSE. TOPOGRAPHY AND SOILS OF AREA AROUND ALUM ROCK AVENUE AND SILVER CREEK ARE APPROPRIATE FOR H. PARRYI SSP. CONGDONII (R. PRESTON 1998)
Ecological:
Threat: URBAN RESIDENTIAL, COMMERCIAL, AND RETAIL DEVELOPMENT HAVE ELIMINATED APPROPRIATE HABITAT.
General: SITE BASED UPON 1908 COLLECTION BY MCMURPHY (SN DS). AREA SEARCHED IN 1998 BUT HABITAT IS GONE.
Owner/Manager: UNKNOWN

Source Codes
PRE98F24, MCM08S05, PRE99R01

CENTROMADIA PARRYI SSP CONGDONII (cont.)
CONGDON'S TARPLANT Element Code: PDAST4R0P1

Status
Federal: None
State: None

NDDB Element Ranks
Global: G5T1
State: S1.1

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

Habitat Associations
General: VALLEY AND FOOTHILL GRASSLAND.
Micro: ALKALINE SOILS, SOMETIMES DESCRIBED AS HEAVY WHITE CLAY. 1-230M.

Occurrence No. 41 Map Index: 42347

Dates Last Seen
Occ Rank: Fair Element: 1998-09-01
Origin: Natural/Native occurrence Site: 1998-09-01
Presence: Presumed Extant
Trend: Decreasing
Main Source: BUXTON, E. 1998 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:
Location: ALVISO, NORTH OF HIGHWAY 237 AND EAST OF NORTH 1ST STREET, WEST OF MILPITAS.

Lat/Long: 37ø25'41" / 121ø57'44" Township: 06S
UTM: Zone-10 N4142669 E591799 Range: 01W
Mapping Precision: SPECIFIC Section: 10 Qtr XX
Symbol Type: POLYGON Meridian: M
Area: 40.6 ac Elevation: 10 ft

Comments
Distribution: IN FIELD BOUNDED BY GRAND AVENUE, WILSON WAY, NORTECH PARKWAY, AND DISK DRIVE.
Ecological: ANNUALLY DISKED RUDERAL FIELD AND NON-NATIVE GRASSLAND WITH LOLIUM MULTIFLORUM, PHALARIS PARADOXA, LACTUCA SERRIOLA, AND MALVELLA LEPROSA.
Threat: ANNUAL DISKING, PROPOSED DEVELOPMENT.
General: 2500 PLANTS OBSERVED IN 1998.
Owner/Manager: PVT

Source Codes
BUX98F01, MCM06S02, PRE99R01, HAL31S09

LASTHENIA CONJUGENS
CONTRA COSTA GOLDFIELDS Element Code: PDAST5L040

Status NDDB Element Ranks Other Lists
Federal: Endangered Global: G1 CNPS List: 1B
State: None State: S1.1 R-E-D Code: 3-3-3

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. 29 Map Index: 35476 Dates Last Seen
Occ Rank: Good Element: 1999-05-04
Origin: Natural/Native occurrence Site: 1999-05-04
Presence: Presumed Extant
Trend: Unknown
Main Source: SHERAR, J. 1996 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:
Location: SKY SAILING AIRPORT, 0.4 MILE WEST OF NIMITZ FWY, ABOUT 0.4-0.8 MILE WNW OF JCT CUSHING ROAD AND LANDING ROAD, FREMONT.
Lat/Long: 37ø29'31" / 121ø57'23" Township: 05S
UTM: Zone-10 N4149762 E592262 Range: 01W
Mapping Precision: SPECIFIC Section: 15 Qtr XX
Symbol Type: POLYGON Meridian: M
Area: 27.4 ac Elevation: 10 ft

Comments
Distribution: 2 COLONIES: NORTH COLONY IS ALONG THE NE-SIDE OF THE RUNWAY. SOUTH COLONY IS JUST SOUTH OF RUNWAY.
Ecological: SEASONAL WETLANDS IN DISTURBED AREA. WITH DOWNINGIA PULCHELLA, PSILOCARPHUS BREVISSIMUS BREVISSIMUS, COTULA CORONOPIFOLIA, MYOSURUS MINIMUS MINIMUS, PLAGIOBOTHRYS STIPITATUS STIPITATUS, AND ERYNGIUM ARISTULATUM HOOVERI.
Threat: INVASION BY LOLIUM MULTIFLORUM AND LACTUCA SERRIOLA THREATENS. GRAZING AND GRAVEL YARD ALSO LISTED AS THREATS.
General: 1000 PLANTS IN N-COLONY IN 1996, 2600 IN 1999. 3100 IN S-COLONY IN 1997.
Owner/Manager: PVT-CATELLUS CORP

Source Codes
SHE96F01, AND97F01, SHE97F01, FRA99F01

LASTHENIA CONJUGENS (cont.)
CONTRA COSTA GOLDFIELDS — Element Code: PDAST5L040

Status — **NDDB Element Ranks** — **Other Lists**

Federal: Endangered — Global: G1 — CNPS List: 1B
State: None — State: S1.1 — R-E-D Code: 3-3-3

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. 30 — Map Index: 36471 — **Dates Last Seen**
Occ Rank: Good — Element: 1997-03-31
Origin: Natural/Native occurrence — Site: 1997-03-31
Presence: Presumed Extant
Trend: Unknown
Main Source: ANDERSON, B. 1997 (OBS)

Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:

Location: FREMONT; DON PEDRO SAN FRANCISCO NWR, 0.15-0.5 MI W OF CUSHING RD.

Lat/Long: 37ø29'12" / 121ø58'04" — Township: 05S
UTM: Zone-10 N4149160 E591257 — Range: 01W
Mapping Precision: SPECIFIC — Section: 21 Qtr XX
Symbol Type: POLYGON — Meridian: M
Area: 34.5 ac — Elevation: 5 ft

Comments

Distribution:

Ecological: VERNAL POOLS AND SWALES IN GRASSLAND WITH SPARSE NASSELLA PULCHRA. ALSO WITH DOWNINGIA PULCHELLA, PLAGIOBOTHRYS STIPITATA, PLEUROPOGON CALIFORNICA, AND ERYNGIUM ARISTULATUM.

Threat: INVASIVE SPECIES SUCH AS LOLIUM COULD BE A THREAT.

General: 10,000 PLANTS IN 1997.

Owner/Manager: USFWS-SAN FRANCISCO BAY NWR

Source Codes

AND97F01

PLAGIOBOTHRYS GLABER
HAIRLESS POPCORN-FLOWER Element Code: PDBOR0V0B0

Status
Federal: None
State: None

NDDB Element Ranks
Global: GH
State: SH

Other Lists
CNPS List: 1A
R-E-D Code: *

Habitat Associations
General: MEADOWS AND SEEPS, MARSHES AND SWAMPS.
Micro: COASTAL SALT MARSHES AND ALKALINE MEADOWS. 5-180M.

Occurrence No. 4 Map Index: 28363

Dates Last Seen
Element: 1892-XX-XX
Site: 1892-XX-XX

Occ Rank: Unknown
Origin: Natural/Native occurrence
Presence: Presumed Extant
Trend: Unknown
Main Source: MICHENER & BIOLETTI SN UC (HERB)
Quad Summary: SAN JOSE WEST (3712138/427C)
County Summary: SANTA CLARA
SNA Summary:
Location: SANTA CLARA.
Lat/Long: 37ø20'56" / 121ø56'45"
UTM: Zone-10 N4133881 E593363
Mapping Precision: NON-SPECIFIC
Symbol Type: POINT
Radius: 1 mile
Township: 07S
Range: 01W
Section: 02 Qtr XX
Meridian: M
Elevation: 80 ft

Comments
Distribution:
Ecological:
Threat:
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1892 COLLECTION BY MICHENER AND BIOLETTI.
Owner/Manager: UNKNOWN

Source Codes
MIC92S03

TROPIDOCARPUM CAPPARIDEUM
CAPER-FRUITED TROPIDOCARPUM Element Code: PDBRA2R010

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

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

Occurrence No. 12 Map Index: 39200 Dates Last Seen
Occ Rank: Unknown Element: 1907-04-03
Origin: Natural/Native occurrence Site: 1907-04-03
Presence: Presumed Extant
Trend: Unknown
Main Source: PENDLETON, R. #558 RSA (HERB)
Quad Summary: CUPERTINO (3712231/428D)*, LOS GATOS (3712128/407B), SAN JOSE WEST (3712138/427C), CASTLE ROCK RIDGE (3712221/408A)
County Summary: SANTA CLARA, SANTA CRUZ
SNA Summary:
Location: SARATOGA.
Lat/Long: 37ø15'52" / 122ø00'48" Township: 08S
UTM: Zone-10 N4124480 E587471 Range: 01W
Mapping Precision: NON-SPECIFIC Section: 06 Qtr XX
Symbol Type: POINT Meridian: M
Radius: 5 mile Elevation: 420 ft

Comments
Distribution:
Ecological:
Threat:
General: ORIGINALLY IDENTIFIED AS T. GRACILE, BUT APPARENTLY ANNOTATED TO T. CAPPARIDEUM (WRITTEN ON LABEL W/NO NAME ASSOCIATED). COLLECTION NOT AT RSA 11/2000 WHEN WE CHECKED.
Owner/Manager: UNKNOWN

Source Codes
PEN07S01

ATRIPLEX JOAQUINIANA
SAN JOAQUIN SALTBUSH — Element Code: PDCHE041F3

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

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. 54 — Map Index: 46060 — Dates Last Seen
Occ Rank: Good — Element: 1999-05-26
Origin: Natural/Native occurrence — Site: 1999-05-26
Presence: Presumed Extant
Trend: Unknown
Main Source: LUCAS, S. 1999 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:

Location: PACIFIC COMMONS PRESERVE, 0.7 AIRMILE ESE OF ALBRAE, EAST OF THE SOUTHERN PACIFIC RAILROAD TRACKS, WEST OF FREMONT.

Lat/Long: 37ø29'22" / 121ø58'37" — Township: 05S
UTM: Zone-10 N4149461 E590422 — Range: 01W
Mapping Precision: SPECIFIC — Section: 21 Qtr NW
Symbol Type: POLYGON — Meridian: M
Area: 3.0 ac — Elevation: 6 ft

Comments

Distribution: PROPERTY KNOWN AS PACIFIC COMMONS PRESERVE, STEM SITE, PHASE 1. ON UPLAND EDGE OF CREATED VERNAL POOLS ADJACENT TO SEASONAL WETLAND UNIT, DON EDWARDS SAN FRANCISCO BAY NATIONAL WILDLIFE REFUGE. MAPPED WITHIN THE NE 1/4 NW 1/4 SECTION 21.
Ecological: GROWING ALONG THE UPLAND EDGE OF CREATED VERNAL POOLS IN ALKALINE GRASSLAND, WITH LOLIUM MULTIFLORUM, BRASSICA NIGRA, AND MELILOTUS INDICA.
Threat: COMPETITION FROM NON-NATIVE ANNUALS MAY THREATEN FUTURE RECURRENCE.
General: 30 PLANTS OBSERVED IN 1999. VERNAL POOLS WERE CREATED IN FALL 1998. GERMINATION MAY HAVE BEEN STIMULATED BY SITE GRADING FOR VERNAL POOL CREATION. LOW COMPETITION FOLLOWING GRADING MAY HAVE FAVORED GROWTH.
Owner/Manager: PVT-CATELLUS CORP

Source Codes

LUC99F01

ASTRAGALUS TENER VAR TENER
ALKALI MILK-VETCH Element Code: PDFAB0F8R1

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G1T1	CNPS List: 1B
State: None	State: S1.1	R-E-D Code: 3-2-3

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. 6 Map Index: 24671 Dates Last Seen
Occ Rank: None Element: 1905-04-04
Origin: Natural/Native occurrence Site: 1905-04-04
Presence: Possibly Extirpated
Trend: Unknown
Main Source: LISTON, A. 1988 (PERS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:
Location: MILPITAS.

Lat/Long:	37ø25'59" / 121ø54'21"	Township: 06S
UTM:	Zone-10 N4143259 E596800	Range: 01E
Mapping Precision:	NON-SPECIFIC	Section: XX Qtr XX
Symbol Type:	POINT	Meridian: M
Radius:	1 mile	Elevation: 20 ft

Comments
Distribution:
Ecological:
Threat:
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1905 COLLECTION BY R.M.SMITH (COLLECTION # AND HERBARIUM UNKNOWN).
Owner/Manager: UNKNOWN

Source Codes
LIS88R01

ASTRAGALUS TENER VAR TENER (cont.)
ALKALI MILK-VETCH Element Code: PDFAB0F8R1

Status NDDB Element Ranks Other Lists
Federal: None Global: G1T1 CNPS List: 1B
State: None State: S1.1 R-E-D Code: 3-2-3

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. 7 Map Index: 24673 Dates Last Seen
Occ Rank: Good Element: 2001-04-26
Origin: Natural/Native occurrence Site: 2001-04-26
Presence: Presumed Extant
Trend: Unknown
Main Source: GREER, P. 1999 (OBS)
Quad Summary: MILPITAS (3712148/427B)
County Summary: ALAMEDA
SNA Summary:
Location: ALBRAE, ALONG RAILROAD TRACKS ABOUT 1 MILE SOUTHWEST OF FREMONT RACEWAYS, WEST OF FREMONT.
Lat/Long: 37ø29'18" / 121ø58'45" Township: 05S
UTM: Zone-10 N4149360 E590245 Range: 01W
Mapping Precision: SPECIFIC Section: 21 Qtr NW
Symbol Type: POLYGON Meridian: M
Area: 28.7 ac Elevation: 10 ft

Comments
Distribution: MAPPED ALONG EAST SIDE OF RR TRACKS ABOUT 0.5-0.8 MILE SOUTHEAST OF ALBRAE STATION.
Ecological: UPPER EXTENT OF INUNDATION OF VERNAL POOLS CREATED IN 1998. GROWING WITH MELILOTUS INDICA, LOLIUM MULTIFLORUM, PSILOCARPHUS TENELLUS, PLAGIOBOTHRYS STIPITATUS VAR. MICRANTHUS AND ERYNGIUM ARISTULATUM VAR. ARISTULATUM.
Threat: COMPETITION FROM NON-NATIVE ANNUALS MAY THREATEN FUTURE RECURRENCE
General: 35-40 PLANTS SEEN IN 1999, 264 PLANTS IN 2001. AREA KNOWN AS PACIFIC COMMONS PRESERVE, STEM SITE. PLANTS COLLECTED AT "ALBRAE, GROWING ALONG EDGES OF SALT MARSHES" BY SMITH (#3747, HERB UNKNOWN) IN 1923. ATRIPLEX JOAQUINIANA IS HERE TOO.
Owner/Manager: PCT-CATELLUS COMMON

Source Codes
GRE99F01, SMI23S01, LIS88R01, TOM01F01

MALACOTHAMNUS HALLII
HALL'S BUSH MALLOW — Element Code: PDMAL0Q0F0

Status
Federal: None
State: None

NDDB Element Ranks
Global: G1Q
State: S1.2

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

Habitat Associations
General: CHAPARRAL.
Micro: SOME POPULATIONS ON SERPENTINE. 10-550M.

Occurrence No. 9 — Map Index: 28970

Dates Last Seen
Element: 1976-10-20
Site: 1993-07-24

Occ Rank: None
Origin: Natural/Native occurrence
Presence: Possibly Extirpated
Trend: Unknown
Main Source: PATTON, K.D SN SJSO #8541 (HERB)
Quad Summary: SAN JOSE WEST (3712138/427C)
County Summary: SANTA CLARA
SNA Summary:
Location: EAST SIDE OF GUADALUPE CREEK JUST NORTH OF HIGHWAY 17, SAN JOSE.

Lat/Long: 37ø21'19" / 121ø54'44"
UTM: Zone-10 N4134622 E596330
Mapping Precision: NON-SPECIFIC
Symbol Type: POINT
Radius: 1/5 mile

Township: 07S
Range: 01E
Section: XX Qtr XX
Meridian: M
Elevation: 40 ft

Comments
Distribution: 25 YARDS EAST OF THE CREEK AND 200 YARDS NORTH OF THE HIGHWAY.
Ecological: OBSERVED IN 1976 WITH BACCHARIS AND WEEDY FORBS. IN 1993 SITE VEGETATED WITH BACCHARIS, TYPHA, CAREX, POPULUS FREMONTII, AND WEEDY FORBS. DISTURBED CREEKBED WITH LEVEES BUILT UP ON BOTH SIDES.
Threat: WORK ASSOCIATED WITH CREEK CHANNEL, LEVEES, ETC. MAY HAVE IMPACTED THIS SITE.
General: CHANDIK SEARCHED THIS AREA IN 1993 BUT NO MALACOTHAMNUS WERE OBSERVED.
Owner/Manager: UNKNOWN

Source Codes
PAT76S01, CHA93F13

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³ CHORIZANTHE ROBUSTA VAR ROBUSTA ³
³ ROBUST SPINEFLOWER Element Code: PDPGN040Q2 ³
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³ ÄÄÄÄÄÄÄÄÄÄStatusÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄÄNDDB Element RanksÄÄÄÄÄÄÄÄOther ListsÄÄÄÄÄÄÄÄÄ ³
³ Federal: Endangered Global: G2T1 CNPS List: 1B ³
³ State: None State: S1.1 R-E-D Code: 3-3-3 ³
³ ³
³ ÄÄÄÄÄÄÄHabitat AssociationsÄÄÄ ³
³ General: CISMONTANE WOODLAND, COASTAL DUNES, COASTAL SCRUB. ³
³ Micro: SANDY TERRACES AND BLUFFS OR IN LOOSE SAND. 3-120M. ³
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Occurrence No. 19 Map Index: 37885 ÄÄDates Last SeenÄÄ
Occ Rank: None Element: 1882-XX-XX
Origin: Natural/Native occurrence Site: 1882-XX-XX
Presence: Possibly Extirpated
Trend: Unknown
Main Source: PARRY SN MO (HERB)
ÄÄ
Quad Summary: SAN JOSE WEST (3712138/427C)*, SAN JOSE EAST (3712137/427D),
CALAVERAS RESERVOIR (3712147/427A), MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:
ÄÄ
Location: SAN JOSE.
ÄÄ
Lat/Long: 37ø20'17" / 121ø53'25" Township: 07S
UTM: Zone-10 N4132737 E598306 Range: 01E
Mapping Precision: NON-SPECIFIC Section: 08 Qtr XX
Symbol Type: POINT Meridian: M
Radius: 5 mile Elevation: 85 ft
ÄÄÄÄCommentsÄÄ
Distribution: EXACT LOCATION NOT KNOW; SITE MAPPED IN GENERAL VICINITY OF SAN
JOSE.
Ecological:
Threat:
General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1882 COLLECTION BY
PARRY. THIS SPECIMEN WAS NOT REVIEWED BY B. ERTTER ET AL. IN
1990.
Owner/Manager: UNKNOWN

ÄÄÄÄSource CodesÄÄ
PAR82S17, REV89A01, ERT90U03

CORDYLANTHUS MARITIMUS SSP PALUSTRIS
POINT REYES BIRD'S-BEAK Element Code: PDSCR0J0C3

Status — NDDB Element Ranks — Other Lists
Federal: None Global: G3T2 CNPS List: 1B
State: None State: S2.2 R-E-D Code: 2-2-2

Habitat Associations
General: COASTAL SALT MARSH.
Micro: USUALLY IN COASTAL SALT MARSH WITH SALICORNIA, DISTICHLIS, JAUMEA, SPARTINA, ETC. 0-15M.

Occurrence No. 22 Map Index: 09936 Dates Last Seen
Occ Rank: Unknown Element: 1905-05-XX
Origin: Natural/Native occurrence Site: 1905-05-XX
Presence: Presumed Extant
Trend: Unknown
Main Source: SMITH, R. SN RSA (HERB)
Quad Summary: MILPITAS (3712148/427B)
County Summary: SANTA CLARA
SNA Summary:
Location: NEAR ALVISO.
Lat/Long: 37ø26'06" / 121ø57'51" Township: 06S
UTM: Zone-10 N4143424 E591629 Range: 01W
Mapping Precision: NON-SPECIFIC Section: XX Qtr XX
Symbol Type: POINT Meridian: M
Radius: 1 mile Elevation:

Comments
Distribution:
Ecological:
Threat:
General: NONE. EXTIRPATED ACCORDING TO D. SMITH (1996).
Owner/Manager: UNKNOWN

Source Codes
SMI96U01, SMI05S01