



APPENDIX A

MITIGATION MONITORING AND REPORTING PLAN



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Mitigation Measure	Purpose	Monitoring Requirements/Reporting	Responsible Party
Air Quality			
Mitigation Measure AIR-1. All disturbed areas, including storage piles, which are not being actively utilized for construction purposes, on- and off-site, unpaved access roads, land clearing, grubbing, scraping, excavation, land leveling, grading, cut and fill, and demolition activities shall be effectively stabilized of dust emissions using water, chemical stabilizer/suppressant, covered with a tarp or other suitable cover or vegetative ground cover.	To minimize fugitive dust from construction activities.	Zone 7 Water Agency (Zone 7)	Construction Contractor
Mitigation Measure AIR-2. When earth materials are transported off-site, all material shall be covered, or effectively wetted to limit visible dust emissions, and at least six inches of freeboard space from the top of the container shall be maintained.	To minimize fugitive dust from construction activities.	Zone 7	Construction Contractor
Mitigation Measure AIR-3. All operations shall limit or expeditiously remove the accumulation of mud or dirt from adjacent public streets at the end of each work day. Within urban areas, track-out or earth materials shall be immediately removed when it extends 50 or more feet from the site and at the end of each work day.	To minimize fugitive dust from construction activities.	Zone 7	Construction Contractor
Mitigation Measure AIR-4. Following the addition or the removal of materials from the surface of outdoor storage piles, said piles shall be effectively stabilized of fugitive dust emissions utilizing sufficient water or chemical stabilizer / suppressant.	To minimize fugitive dust from construction activities.	Zone 7	Construction Contractor
Biological Resources			
Mitigation Measure BIO-1. A pre-construction survey will be conducted by a U.S. Fish & Wildlife Service (USFWS) approved biologist immediately preceding any construction activity (including grading or equipment staging) that occurs in potential California red-legged frog (CRLF), California tiger salamander (CTS), or Northern Pacific pond turtle (NPPT) habitat, or an activity that may result in take of these species. The survey will include observations at all obvious potential locations for CTS, CRLF, and NPPT, such as in-water woody debris, wetland habitat, and the Arroyo Las Positas channel. Any individuals that are found will be captured and held for the minimum amount of time necessary, and then release them in suitable habitat outside of the work area that have been pre-approved by the USFWS.	To avoid or minimize the potential disturbance or incidental "take" of special status species.	USFWS	Zone 7 Water Agency (Zone 7)



Mitigation Measure	Purpose	Monitoring Requirements/Reporting	Responsible Party
Mitigation Measure BIO-2. If a CTS, CRLF, or NPPT is encountered during project construction, all construction activities in the immediate area will cease until the animal is removed and relocated to suitable habitat outside the work area by a USFWS-approved biologist. Nets or bare hands may be used to capture CTS, CRLF, and NPPT. USFWS-approved biologists will not use soaps, oils, creams, lotions, repellents, or solvents of any sort on their hands within two hours prior to and during periods when they are capturing and relocating those species. To avoid transferring disease or pathogens between aquatic habitats during the course of surveys, biologists will follow the protocols specified in <i>Declining Amphibian Populations Task Force's "Code of Practice."</i> (undated) and will limit the duration of handling and captivity of the individuals. While in captivity, these organisms will be kept in a cool, moist, aerated environment, such as a bucket containing a damp sponge. Containers used for holding or transporting adults of these species will not contain any standing water.	To avoid or minimize the potential disturbance or incidental "take" of special status species.	USFWS, Zone 7	Construction Contractor
Mitigation Measure BIO-3. Tightly woven fiber netting or similar material will be used for erosion control or other purposes at the project site to ensure that the CRLF, CTS, or NPPT are not entrapped. Coconut coir matting is an acceptable erosion control material. No plastic mono-filament matting will be used for erosion control.	To avoid or minimize the potential disturbance or incidental "take" of special status species.	USFWS, Zone 7	Construction Contractor
Mitigation Measure BIO-4. If bullfrogs, non-native fish, or non-native crawfish are observed during construction, they shall, to the extent practicable, be humanely dispatched.	To avoid or minimize the potential disturbance or incidental "take" of special status species.	USFWS, Zone 7	Zone 7
Mitigation Measure BIO-5. During project activities, all trash that may attract predators will be properly contained, removed from the work site, and disposed of regularly. Following construction, all trash and construction debris will be removed from work areas.	To avoid or minimize the potential disturbance or incidental "take" of special status species.	Zone 7	Construction Contractor



Mitigation Measure	Purpose	Monitoring Requirements/Reporting	Responsible Party
Mitigation Measure BIO-6. All refueling, maintenance, and staging of equipment and vehicles will occur at least 60 feet from riparian habitat or water courses, and not in a location from where a spill would drain directly to aquatic habitat. The on-site biologist will ensure the equipment storage and refueling area is properly located. Prior to the initiation of project activities, Zone 7 will ensure that a plan for prompt and effective response to any accidental spills is in place. All workers will be informed of the importance of preventing spills and of the appropriate measures to take should a spill occur.	To avoid or minimize the potential disturbance or incidental “take” of special status species.	Zone 7	Construction Contractor
Mitigation Measure BIO-7. Project sites that are temporarily impacted will be re-vegetated with an assemblage of native riparian, wetland, and upland vegetation suitable for the area. Locally collected plant materials will be used to the extent practicable. Invasive, exotic plants will be controlled to the maximum extent practicable. This measure will be implemented in all areas disturbed by activities associated with the project, unless Zone 7 determines that it is not feasible or practical. For example, an area disturbed by construction that would be used for future activities need not be re-vegetated.	To avoid or minimize the potential disturbance or incidental “take” of special status species.	Zone 7	Zone 7
Mitigation Measure BIO-8. Zone 7 shall schedule work activities during low water-flow periods within the Arroyo Las Positas when impacts to the CRLF, CTS, and NPPT would be minimal. Equipment and personnel crossing of the channel will only be conducted in previously disturbed areas. To control sedimentation during and after project implementation, Zone 7 and its contractors will implement Best Management Practices (BMP) required for all project-specific permits. If BMPs are ineffective, Zone 7 will attempt to remedy the situation immediately, following consultation with the USFWS.	To avoid or minimize the potential disturbance or incidental “take” of special status species.	USFWS, Zone 7	Zone 7
Mitigation Measure BIO-9. If a work site is to be temporarily dewatered by pumping, intakes will be completely screened with wire mesh with openings not larger than 5 mm (0.2-in) to prevent CRLF or CTS from entering the pump system. Water will be released or pumped downstream at an appropriate rate to maintain downstream flows during construction. Sediment disturbance from discharge will be kept to a minimum to reduce impacts to downstream pools. The methods and materials used in any dewatering will be determined by Zone 7 in consultation with the USFWS.	To avoid or minimize the potential disturbance or incidental “take” of special status species.	USFWS, Zone 7	Zone 7



Mitigation Measure	Purpose	Monitoring Requirements/Reporting	Responsible Party
Mitigation Measure BIO-10. Zone 7 will implement any additional mitigation measures specified in all permits.	To avoid or minimize the potential disturbance or incidental "take" of special status species.	Zone 7	Zone 7
Mitigation Measure BIO-11. Ground-clearing activities shall be scheduled prior to the initiation of nesting activity (April) or after fledging (August). If this is infeasible, pre-construction surveys shall be conducted in potential nesting habitat to identify nest sites for construction activities that are planned between February 15 and August 15. If any nest from a bird protected under the Migratory Bird Treaty Act or state law is observed, a 100-foot buffer will be established. If an active raptor nest is observed within 350 feet of the project site, Zone 7 will notify California Department of Fish & Game (CDFG) and establish a 350-foot buffer around the nest tree. Construction activities shall be prohibited within the buffer zone until the young have fledged. Further, any bird species protected under the Migratory Bird Treaty Act found to be nesting within the project construction area shall not be disturbed until the young have fledged.	To avoid or minimize the potential disturbance or incidental "take" of any migratory bird.	CDFG, Zone 7	Zone 7
Mitigation Measure BIO-12. Zone 7 shall implement a Site Restoration and Mitigation Plan. The plan includes the planting of 40 willow trees on the banks of Arroyo Las Positas within and adjacent to the project site. In addition to the trees, a locally collected native seed mix will be used to re-vegetate the temporarily impacted areas of the project site.	To avoid or minimize the potential disturbance of WoUS and wetlands.	Zone 7	Zone 7
Mitigation Measure BIO-13 The Zone 7 construction contractor will complete a worker training program focused on biological resources before initiating project activities. The training will be instructed by a USFWS-approved biologist.	To avoid or minimize the potential disturbance or incidental "take" of special status species.	USFWS, Zone 7	Construction Contractor



Mitigation Measure	Purpose	Monitoring Requirements/Reporting	Responsible Party
Cultural Resources			
Mitigation Measure CUL-1. If cultural resources (i.e., prehistoric sites, historic sites, and isolated artifacts and features), and/or unique paleontological resources (fossils) are discovered during project construction, work within 50 feet of the discovery will be halted immediately, Zone 7 shall be notified, and a professional archaeologist or paleontologist will be retained to determine the significance of the discovery.	To avoid or minimize the potential disturbance to sensitive cultural resources.	Zone 7	Construction Contractor
Mitigation Measure CUL-2. If human remains are discovered during project construction, all work within 50 of the discovery will be halted immediately, Zone 7 and the County Coroner will be notified, and appropriate steps will be taken.	To avoid or minimize the potential disturbance to sensitive cultural resources.	Zone 7	Construction Contractor
Geology and Soils			
Mitigation Measure GEO-1. Zone 7 will design the weir replacement project to be in conformance with regulatory requirements, including those of the CBC, in order to minimize potential impacts from localized seismic ground-shaking hazards, slope stability, and expansive soils. As part of standard requirements, a geotechnical study will be completed. Project design shall follow any recommendations from the results of the geotechnical study concerning soil and structural engineering.	To minimize potential impacts from localized seismic ground-shaking hazards slope stability, and expansive soils.	Zone 7	Zone 7
Hazardous Materials			
Mitigation Measure HAZ-1. Equipment utilizing petroleum fuels should be parked on impervious surfaces and fueling of those vehicles or equipment should be completed at a designated site that has been prepared for such servicing. The service location will be covered with an impervious material and off-site drainage should be protected by straw waddles or similar flow-diverting devices. No petroleum-laden liquids should be allowed to migrate into storm drains and any spilled petroleum products should be cleaned up with the appropriate on-site material.	To avoid or minimize potential impact to the surrounding environment from construction activities.	Zone 7	Construction Contractor
Hydrology and Water Quality			
See Mitigation Measure HAZ-1	To avoid or minimize potential impact to water quality.	Zone 7	Construction Contractor



Mitigation Measure	Purpose	Monitoring Requirements/Reporting	Responsible Party
Mitigation Measure WQ-2. Erosion protection will be installed at the discharge point of the water diversion pipe.	To avoid or minimize potential impact to hydrology.	Zone 7	Construction Contractor
Noise			
Mitigation Measure NO-1: Projects activities will be conducted between the hours of 8 a.m. and 5 p.m. and no activities will occur during the weekend.	To minimize noise impacts from construction activities.	Zone 7	Construction Contractor
Traffic			
Mitigation Measure TRA-1. A Traffic Control Plan will be developed prior to project initiation. The plan will focus on the ingress and egress to the project's proposed southern laydown area and developing a safe buffer zone around the northern laydown area.	To minimize traffic impacts from construction activities.	Zone 7/County/CalTrans	Construction Contractor



APPENDIX B SPECIES LIST



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United States Department of the Interior
FISH AND WILDLIFE SERVICE
Sacramento Fish and Wildlife Office
2800 Cottage Way, Room W-2605
Sacramento, California 95825



December 28, 2007

Document Number: 071228052708

Kevin Crouch
Padre Associates, Inc.
3020 Explorer Drive, Suite 5
Sacramento, CA 95827

Subject: Species List for Arroyo Las Positas Weir Project

Dear: Interested party

We are sending this official species list in response to your December 28, 2007 request for information about endangered and threatened species. The list covers the California counties and/or U.S. Geological Survey 7½ minute quad or quads you requested.

Our database was developed primarily to assist Federal agencies that are consulting with us. Therefore, our lists include all of the sensitive species that have been found in a certain area *and also ones that may be affected by projects in the area*. For example, a fish may be on the list for a quad if it lives somewhere downstream from that quad. Birds are included even if they only migrate through an area. In other words, we include all of the species we want people to consider when they do something that affects the environment.

Please read Important Information About Your Species List (below). It explains how we made the list and describes your responsibilities under the Endangered Species Act.

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be March 27, 2008.

Please contact us if your project may affect endangered or threatened species or if you have any questions about the attached list or your responsibilities under the Endangered Species Act. A list of Endangered Species Program contacts can be found at www.fws.gov/sacramento/es/branches.htm.

Endangered Species Division



**Federal Endangered and Threatened Species that Occur in
or may be Affected by Projects in the Counties and/or
U.S.G.S. 7 1/2 Minute Quads you requested**

Document Number: 071228052708

Database Last Updated: December 12, 2007

Quad Lists

Listed Species

Invertebrates

Branchinecta conservatio

Conservancy fairy shrimp (E)

Branchinecta longiantenna

longhorn fairy shrimp (E)

Branchinecta lynchi

Critical habitat, vernal pool fairy shrimp (X)

vernal pool fairy shrimp (T)

Fish

Hypomesus transpacificus

delta smelt (T)

Oncorhynchus mykiss

Central California Coastal steelhead (T) (NMFS)

Central Valley steelhead (T) (NMFS)

Amphibians

Ambystoma californiense

California tiger salamander, central population (T)

Critical habitat, CA tiger salamander, central population (X)

Rana aurora draytonii

California red-legged frog (T)

Critical habitat, California red-legged frog (X)

Reptiles

Masticophis lateralis euryxanthus

Alameda whipsnake [=striped racer] (T)

Birds

Sternula antillarum (=Sterna, =albifrons) browni

California least tern (E)

Mammals

Vulpes macrotis mutica

San Joaquin kit fox (E)

Plants

Cordylanthus palmatus

palmate-bracted bird's-beak (E)

Quads Containing Listed, Proposed or Candidate Species:

LIVERMORE (446A)

County Lists

Alameda County

Listed Species

Invertebrates

Branchinecta longiantenna

Critical habitat, longhorn fairy shrimp (X)
longhorn fairy shrimp (E)

Branchinecta lynchi

Critical habitat, vernal pool fairy shrimp (X)
vernal pool fairy shrimp (T)

Euphydryas editha bayensis

bay checkerspot butterfly (T)

Lepidurus packardii

Critical habitat, vernal pool tadpole shrimp (X)
vernal pool tadpole shrimp (E)

Speyeria callippe callippe

callippe silverspot butterfly (E)

Fish

Acipenser medirostris

green sturgeon (T) (NMFS)

Eucyclogobius newberryi

tidewater goby (E)

Hypomesus transpacificus

Critical habitat, delta smelt (X)

Oncorhynchus kisutch

coho salmon - central CA coast (E) (NMFS)

Oncorhynchus mykiss

Central California Coastal steelhead (T) (NMFS)
Critical habitat, Central California coastal steelhead (X) (NMFS)

Oncorhynchus tshawytscha

Central Valley spring-run chinook salmon (T) (NMFS)
Critical habitat, winter-run chinook salmon (X) (NMFS)
winter-run chinook salmon, Sacramento River (E) (NMFS)

Amphibians

Ambystoma californiense

California tiger salamander, central population (T)
Critical habitat, CA tiger salamander, central population (X)

Rana aurora draytonii

California red-legged frog (T)
Critical habitat, California red-legged frog (X)

Reptiles

Masticophis lateralis euryxanthus

Alameda whipsnake [=striped racer] (T)
Critical habitat, Alameda whipsnake (X)

Birds

Pelecanus occidentalis californicus

California brown pelican (E)

Rallus longirostris obsoletus

California clapper rail (E)

Sternula antillarum (=Sterna, =albifrons) browni

California least tern (E)

Mammals

Reithrodontomys raviventris

salt marsh harvest mouse (E)

Vulpes macrotis mutica

San Joaquin kit fox (E)

Plants

Amsinckia grandiflora

large-flowered fiddleneck (E)

Arctostaphylos pallida

pallid manzanita (=Alameda or Oakland Hills manzanita) (T)

Clarkia franciscana

Presidio clarkia (E)

Cordylanthus palmatus

palmate-bracted bird's-beak (E)

Lasthenia conjugens

Contra Costa goldfields (E)
Critical habitat, Contra Costa goldfields (X)

Key:

- (E) *Endangered* - Listed as being in danger of extinction.
- (T) *Threatened* - Listed as likely to become endangered within the foreseeable future.
- (P) *Proposed* - Officially proposed in the Federal Register for listing as endangered or threatened.
- (NMFS) Species under the Jurisdiction of the National Oceanic & Atmospheric Administration Fisheries Service. Consult with them directly about these species.
- Critical Habitat* - Area essential to the conservation of a species.
- (PX) *Proposed Critical Habitat* - The species is already listed. Critical habitat is being proposed for it.
- (C) *Candidate* - Candidate to become a proposed species.
- (V) Vacated by a court order. Not currently in effect. Being reviewed by the Service.
- (X) *Critical Habitat* designated for this species

Important Information About Your Species List

How We Make Species Lists

We store information about endangered and threatened species lists by U.S. Geological Survey 7½ minute quads. The United States is divided into these quads, which are about the size of San Francisco.

The animals on your species list are ones that occur within, **or may be affected by** projects within, the quads covered by the list.

- Fish and other aquatic species appear on your list if they are in the same watershed as your quad or if water use in your quad might affect them.
- Amphibians will be on the list for a quad or county if pesticides applied in that area may be carried to their habitat by air currents.
- Birds are shown regardless of whether they are resident or migratory. Relevant birds on the county list should be considered regardless of whether they appear on a quad list.

Plants

Any plants on your list are ones that have actually been observed in the area covered by the list. Plants may exist in an area without ever having been detected there. You can find out what's in the surrounding quads through the California Native Plant Society's online [Inventory of Rare and Endangered Plants](#).

Surveying

Some of the species on your list may not be affected by your project. A trained biologist or botanist, familiar with the habitat requirements of the species on your list, should determine whether they or habitats suitable for them may be affected by your project. We recommend that your surveys include any proposed and candidate species on your list.

For plant surveys, we recommend using the [Guidelines for Conducting and Reporting Botanical Inventories](#). The results of your surveys should be published in any environmental documents prepared for your project.

Your Responsibilities Under the Endangered Species Act

All animals identified as listed above are fully protected under the Endangered Species Act of 1973, as amended. Section 9 of the Act and its implementing regulations prohibit the take of a federally listed wildlife species. Take is defined by the Act as "to harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect" any such animal.

Take may include significant habitat modification or degradation where it actually kills or

injures wildlife by significantly impairing essential behavioral patterns, including breeding, feeding, or shelter (50 CFR §17.3).

Take incidental to an otherwise lawful activity may be authorized by one of two procedures:

- If a Federal agency is involved with the permitting, funding, or carrying out of a project that may result in take, then that agency must engage in a formal consultation with the Service.

During formal consultation, the Federal agency, the applicant and the Service work together to avoid or minimize the impact on listed species and their habitat. Such consultation would result in a biological opinion by the Service addressing the anticipated effect of the project on listed and proposed species. The opinion may authorize a limited level of incidental take.

- If no Federal agency is involved with the project, and federally listed species may be taken as part of the project, then you, the applicant, should apply for an incidental take permit. The Service may issue such a permit if you submit a satisfactory conservation plan for the species that would be affected by your project.

Should your survey determine that federally listed or proposed species occur in the area and are likely to be affected by the project, we recommend that you work with this office and the California Department of Fish and Game to develop a plan that minimizes the project's direct and indirect impacts to listed species and compensates for project-related loss of habitat. You should include the plan in any environmental documents you file.

Critical Habitat

When a species is listed as endangered or threatened, areas of habitat considered essential to its conservation may be designated as critical habitat. These areas may require special management considerations or protection. They provide needed space for growth and normal behavior; food, water, air, light, other nutritional or physiological requirements; cover or shelter; and sites for breeding, reproduction, rearing of offspring, germination or seed dispersal.

Although critical habitat may be designated on private or State lands, activities on these lands are not restricted unless there is Federal involvement in the activities or direct harm to listed wildlife.

If any species has proposed or designated critical habitat within a quad, there will be a separate line for this on the species list. Boundary descriptions of the critical habitat may be found in the Federal Register. The information is also reprinted in the Code of Federal Regulations (50 CFR 17.95). See our critical habitat page for maps.

Candidate Species

We recommend that you address impacts to candidate species. We put plants and animals on our candidate list when we have enough scientific information to eventually propose them for listing as threatened or endangered. By considering these species early in your planning process you may be able to avoid the problems that could develop if one of these candidates was listed before the end of your project.

Species of Concern

The Sacramento Fish & Wildlife Office no longer maintains a list of species of concern. However, various other agencies and organizations maintain lists of at-risk species. These lists provide essential information for land management planning and conservation efforts. [More info](#)

Wetlands

If your project will impact wetlands, riparian habitat, or other jurisdictional waters as defined by section 404 of the Clean Water Act and/or section 10 of the Rivers and Harbors Act, you will need to obtain a permit from the U.S. Army Corps of Engineers. Impacts to wetland habitats require site specific mitigation and monitoring. For questions regarding wetlands, please contact Mark Littlefield of

this office at (916) 414-6580.

Updates

Our database is constantly updated as species are proposed, listed and delisted. If you address proposed and candidate species in your planning, this should not be a problem. However, we recommend that you get an updated list every 90 days. That would be March 27, 2008.



APPENDIX C

CALIFORNIA NATURAL DIVERSITY DATABASE (CNDDB)



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Actinemys marmorata

western pond turtle

Element Code: ARAAD02030

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G3G4

CDFG Status: SC

State: None

State: S3

Habitat Associations

General: A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES WITH AQUATIC VEGETATION.

Micro: NEED BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT FOR EGG-LAYING.

Occurrence No. 111

Map Index: 34681

EO Index: 29040

Dates Last Seen

Occ Rank: Fair

Element: 1992-05-20

Origin: Natural/Native occurrence

Site: 1992-05-20

Presence: Presumed Extant

Record Last Updated: 1996-06-27

Trend: Unknown

Quad Summary: Dublin (3712168/446B), Livermore (3712167/446A), Tassajara (3712177/464D)

County Summary: Contra Costa

Lat/Long: 37.74643° / -121.87509°

Township: 02S

UTM: Zone-10 N4178277 E599104

Range: 01E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 21

Qtr: XX

Elevation: 470 ft

Symbol Type:POLYGON

Meridian: M

Location: TASSAJARA CREEK; APPROX. 0.5 MILES NORTH OF CONTRA COSTA/ALAMEDA COUNTY LINE.

Ecological: TURBID CREEK WITH IMPOUNDMENT; PATCHES OF DENSE TYPHA; ELODEA ABUNDANT; MUD/SILT SUBSTRATE; GRAZED MARGINS.

Threat: POSSIBLE THREAT: CATTLE GRAZING.

General: 5 ADULTS OBSERVED BY B. MORI.

Owner/Manager: PVT

Occurrence No. 202

Map Index: 48344

EO Index: 48344

Dates Last Seen

Occ Rank: Good

Element: 1993-05-03

Origin: Natural/Native occurrence

Site: 1993-05-03

Presence: Presumed Extant

Record Last Updated: 2002-07-24

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.63040° / -121.75672°

Township: 03S

UTM: Zone-10 N4165535 E609704

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 33

Qtr: XX

Elevation: 500 ft

Symbol Type:POINT

Meridian: M

Location: ARROYO VALLE, JUST WEST OF ARROYO ROAD. ABOUT 0.25 MI NE OF THE VETERANS ADMINISTRATION HOSPITAL. SOUTH OF LIVERMORE.

Location Detail:FELLERS SITE G-001

Ecological: NO ECOLOGICAL INFORMATION GIVEN IN THE SOURCE DOCUMENT, BUT THE LOCATION IS WITHIN THE MAPPED BOUNDARIES OF AN OCCURRENCE OF SYCAMORE ALLUVIAL WOODLAND.

General: 1 ADULT OBSERVED 3 MAY 1993.

Owner/Manager: ALA COUNTY

Occurrence No. 246

Map Index: 51717

EO Index: 51717

Dates Last Seen

Occ Rank: Good

Element: 2000-08-22

Origin: Natural/Native occurrence

Site: 2000-08-22

Presence: Presumed Extant

Record Last Updated: 2003-07-08

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72929° / -121.87322°

Township: 02S

UTM: Zone-10 N4176377 E599291

Range: 01E

Area: 11.5 acres

Mapping PrecisionSPECIFIC

Section: 28

Qtr: XX

Elevation: 400 ft

Symbol Type:POLYGON

Meridian: M

Location: TASSAJARA CREEK, 2 MILES NORTH OF I-580, EAST OF TASSAJARA REGIONAL PARK

Ecological: HABITAT CONSISTS OF POOLS WITHIN TASSAJARA CREEK.

Threat: THREATENED BY TRAMPLING/OVERGRAZING.

General: 4 ADULTS OBSERVED ON 3 AUG AND 22 AUG 2000.

Owner/Manager: UNKNOWN

Actinemys marmorata

western pond turtle

Element Code: ARAAD02030

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G3G4

CDFG Status: SC

State: None

State: S3

Habitat Associations

General: A THOROUGHLY AQUATIC TURTLE OF PONDS, MARSHES, RIVERS, STREAMS & IRRIGATION DITCHES WITH AQUATIC VEGETATION.

Micro: NEED BASKING SITES AND SUITABLE (SANDY BANKS OR GRASSY OPEN FIELDS) UPLAND HABITAT FOR EGG-LAYING.

Occurrence No. 280

Map Index: 54733

EO Index: 54733

Dates Last Seen

Occ Rank: Good

Element: 2003-09-23

Origin: Natural/Native occurrence

Site: 2003-09-23

Presence: Presumed Extant

Record Last Updated: 2004-03-17

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.70251° / -121.75929°

Township: 03S

UTM: Zone-10 N4173533 E609371

Range: 02E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 04

Qtr: XX

Elevation: 460 ft

Symbol Type: POINT

Meridian: M

Location: ARROYO LAS POSITAS CREEK, BETWEEN LAS POSITAS ROAD AND I-580, EAST OF THE NORTH LIVERMORE EXIT, NORTH OF LIVERMORE

Ecological: HABITAT CONSISTS OF A POOL WITHIN LAS POSITAS CREEK; UPLAND HABITAT CURRENTLY UNDERGOING HABITAT RESTORATION, CAUSING SOME DOWNSTREAM EROSION DUE TO THE CONSTRUCTION ACTIVITIES.

Threat: THREATENED BY THE PRESENCE OF BULLFROGS.

General: 1 ADULT AND 1 JUVENILE OBSERVED, 19 MAY-23 SEP 2003, ON NUMEROUS OCCASIONS, BASKING WITHIN ALGAL MATS.

Owner/Manager: PVT

Occurrence No. 310

Map Index: 54464

EO Index: 64092

Dates Last Seen

Occ Rank: Good

Element: 2005-09-30

Origin: Natural/Native occurrence

Site: 2005-09-30

Presence: Presumed Extant

Record Last Updated: 2006-02-21

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.62795° / -121.78132°

Township: 03S

UTM: Zone-10 N4165235 E607537

Range: 02E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 32

Qtr: XX

Elevation: 645 ft

Symbol Type: POINT

Meridian: M

Location: 0.9 MILE WEST OF THE VETERANS HOSPITAL, SOUTH OF LIVERMORE

Ecological: HABITAT CONSISTS OF A SMALL STOCKPOND CREATED BY DAMMING THE DRAINAGE DECADES AGO; HEAVILY-DOMINATED BY NARROW-LEAF CATTAIL (TYPHA ANGUSTIFOLIA). SURROUNDING AREA IS OPEN SPACE/PARKLAND.

Threat: THREATENED BY NON-NATIVE SPECIES (BULLFROGS AND SUNFISH).

General: 2 ADULTS OBSERVED, 30 SEP 2005, DURING BULLFROG MANAGEMENT EFFORTS.

Owner/Manager: LIVERMORE AREA RPD

Agelaius tricolor

tricolored blackbird

Element Code: ABPBXB0020

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G2G3

CDFG Status: SC

State: None

State: S2

Habitat Associations

General: HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.

Micro: REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

Occurrence No. 254

Map Index: 24015

EO Index: 7280

Dates Last Seen

Occ Rank: Unknown

Element: 1980-06-XX

Origin: Natural/Native occurrence

Site: 1980-06-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1993-08-19

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.67904° / -121.83902°

UTM: Zone-10 N4170838 E602375

Radius: 3/5 mile

Elevation: 340 ft

Mapping Precision: NON-SPECIFIC

Symbol Type: POINT

Township: 03S

Range: 01E

Section: 14

Meridian: M

Qtr: XX

Location: NORTH SIDE OF STANLEY BLVD, 3 MILES WEST OF LIVERMORE AND 3 MILES EAST OF PLEASANTON.

Location Detail: COLONY OCCUPIES A 10-ACRE PORTION OF GRAVEL PIT.

Ecological: NESTING SUBSTRATE IS CATTAILS WITHIN A LARGE, SHALLOW POND WITH A DEEP MUD BOTTOM.

Threat: POSSIBLE THREAT FROM GRAVEL MINING OPERATIONS.

General: COLONY IS LOCATED ON PRIVATE PROPERTY, SO ACCESS IS LIMITED. 16+ PAIRS OBSERVED IN 1976. PAIRS NUMBERED IN THE HUNDREDS IN 1978. 125 PAIRS OBSERVED IN 1980.

Owner/Manager: PVT-KAISER GRAVEL CO

Occurrence No. 255

Map Index: 24017

EO Index: 7278

Dates Last Seen

Occ Rank: Unknown

Element: 1974-05-11

Origin: Natural/Native occurrence

Site: 1974-05-11

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 1993-08-19

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.65385° / -121.80447°

UTM: Zone-10 N4168082 E605458

Radius: 1/5 mile

Elevation: 420 ft

Mapping Precision: NON-SPECIFIC

Symbol Type: POINT

Township: 03S

Range: 02E

Section: 19

Meridian: M

Qtr: XX

Location: ARROYO DEL VALLE, NE OF THE INTERSECTION OF VINEYARD AVENUE WITH ISABEL AVENUE, SW OF LIVERMORE.

Location Detail: COLONY OCCUPIES APPROXIMATELY 0.25 ACRE.

Ecological: NESTING SUBSTRATE CONSISTS OF CATTAILS; SURROUNDING AREA IS VEGETATED BY SMALL WILLOWS, MULEFAT, LOW SHRUBS, AND GRASSLAND.

General: 60 PAIRS OBSERVED IN 1974; FLEDGING SUCCESS UNKNOWN, ALTHOUGH MANY EMPTY NESTS WERE OBSERVED ON 11 MAY 1974.

Owner/Manager: UNKNOWN

Occurrence No. 256

Map Index: 24016

EO Index: 7279

Dates Last Seen

Occ Rank: Unknown

Element: 1994-XX-XX

Origin: Natural/Native occurrence

Site: 1994-XX-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2004-05-11

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.66210° / -121.81498°

UTM: Zone-10 N4168986 E604519

Radius: 1/5 mile

Elevation: 400 ft

Mapping Precision: NON-SPECIFIC

Symbol Type: POINT

Township: 03S

Range: 01E

Section: 24

Meridian: M

Qtr: XX

Location: 0.5 MILE WEST OF ISABEL AVENUE AND 0.5 MILE NORTH OF VINEYARD AVENUE, SW OF LIVERMORE.

Location Detail: COLONY OCCUPIES ABOUT 10 ACRES. 1994 RECORD GIVES LOCATION ONLY AS "ISABEL GRAVEL PITS".

Ecological: NESTING SUBSTRATE CONSISTS OF CATTAILS WITHIN A SHALLOW POND WITH A DEEP MUD BOTTOM.

Threat: GRAVEL PIT AREA; MAY BE THREATENED BY GRAVEL MINING.

General: SEVERAL THOUSAND PAIRS OBSERVED NESTING 26 MAY 1985; FLEDGING SUCCESS UNKNOWN. UNKNOWN NUMBER OBSERVED NESTING IN 1994 BY HAMILTON.

Owner/Manager: PVT-KWIK SET CO

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 34

Map Index: 10632

EO Index: 7276

Dates Last Seen

Occ Rank: None

Origin: Natural/Native occurrence

Presence: Extirpated

Trend: Decreasing

Element: 1978-01-04

Site: 2001-10-30

Record Last Updated: 2007-02-27

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.67212° / -121.76704°

UTM: Zone-10 N4170152 E608733

Radius: 3/5 mile

Elevation: 515 ft

Township: 03S

Range: 02E

Section: 16

Meridian: M

Qtr: XX

Mapping Precision: NON-SPECIFIC

Symbol Type: POINT

Location: SOUTH OF L STREET AND ARROYO ROAD, IN THE SOUTHERN PART OF LIVERMORE

Location Detail: INCLUDES GRAVEL PITS SOUTH OF L ST IN LIVERMORE, 1.5 MILES SOUTH LIVERMORE ON L ST, 0.5 MI SOUTH OF LIVERMORE ON ARROYO RD, RODEO GROUNDS AT LIVERMORE.

General: MVZ #79012 (01/23/1965), #81289-81292 (11/15/66), #92640-1 (01/14/68), #88574 (01/13/70), #198760-1 (11/13/1972), #107165 (05/01/1973), #198759 (12/03/1974), #161130-1 (01/01/78). COMPLETELY URBANIZED BY 2001; SITE EXTIRPATED.

Owner/Manager: UNKNOWN

Occurrence No. 109

Map Index: 17105

EO Index: 12081

Dates Last Seen

Occ Rank: None

Origin: Natural/Native occurrence

Presence: Extirpated

Trend: Decreasing

Element: 1994-03-24

Site: 2002-XX-XX

Record Last Updated: 2007-02-27

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.64290° / -121.81015°

UTM: Zone-10 N4166861 E604971

Area:

Elevation: 600 ft

Township: 03S

Range: 01E

Section: 25

Meridian: M

Qtr: XX

Mapping Precision: NON-SPECIFIC

Symbol Type: POLYGON

Location: 1.5 MILES SW OF THE JUNCTION OF HWY 84 AND EAST VINEYARD AVE, ABOUT 2 MILES SW OF LIVERMORE

Location Detail: LOCATED ON THE "RUBY HILLS" PROJECT SITE TIGER SALAMANDER MITIGATION AREA IN THE SOUTHERN END OF THE PROJECT SITE. SITE CONSISTS OF 2 EXISTING & 3 RECENTLY (1991-1993) CONSTRUCTED PONDS. MAP GIVEN WAS NOT ADEQUATE TO MAP MITIGATION AREA.

Ecological: ORIGINALLY IN GRASSLAND ON NNE FACING SLOPE WITH OAK WOODLAND ALONG STREAMS. BLUE OAK WOODLAND & SAVANNA UPSLOPE TO WEST. GROUND SQUIRREL BURROWS COMMON. AS OF 1993 HABITAT REDUCED TO 71 ACRE MITIGATION AREA. 2002: SITE HAS BEEN EXTIRPATED

Threat: SITE WAS DEVELOPED INTO RESIDENTIAL AREA (RUBY HILLS PROJECT SITE). REMAINING HABITAT IS IN THE MITIGATION AREA.

General: 1989: 120+ LARVAE OBS IN 3 PONDS IN APR & IN 7 OF 13 PONDS IN ANOTHER STUDY. 4 MORE BREEDING PONDS FOUND IN 1991. JAN-MAY 1993: EGGS & LARVAE OBS IN 3 PONDS. 1994: EGGS OBS IN 4 OF 5 PONDS, BUT ALL FAILED TO SUPPORT LARVAE TO METAMORPHOSIS

Owner/Manager: PVT

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 140

Map Index: 24130

EO Index: 7277

Dates Last Seen

Occ Rank: Fair

Element: 1993-01-21

Origin: Natural/Native occurrence

Site: 1993-01-21

Presence: Presumed Extant

Record Last Updated: 1993-09-28

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.65133° / -121.80622°

Township: 03S

UTM: Zone-10 N4167800 E605306

Range: 01E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 24

Qtr: XX

Elevation: 420 ft

Symbol Type:POLYGON

Meridian: M

Location: ALONG VINEYARD AAVENUE, WEST OF HWY 84, SW OF LIVERMORE.

Location Detail:3 ADULTS OBSERVED ON VINEYARD AVENUE, ABOUT 0.5 MILE APART, DURING HEAVY RAIN.

Ecological: IN 1993 SURROUNDING LAND (POTENTIAL HABITAT) CONSISTS OF VINEYARDS, FALLOW AGRICULTURAL FIELDS, ANNUAL GRASSLANDS, AND SPARSELY-SCATTERED HOMES.

Threat: MAIN THREAT IS PROPOSED RESIDENTIAL DEVELOPMENT SOUTH OF VINEYARD AVENUE.

General: 3 ADULT SALAMANDERS OBSERVED MIGRATING TO/FROM BREEDING SITES BETWEEN 8:50 AND 9:05 PM ON 21 JANUARY 1993.

Owner/Manager: UNKNOWN

Occurrence No. 141

Map Index: 24123

EO Index: 7275

Dates Last Seen

Occ Rank: Fair

Element: 1993-01-21

Origin: Natural/Native occurrence

Site: 1993-01-21

Presence: Presumed Extant

Record Last Updated: 1993-09-09

Trend: Unknown

Quad Summary: Livermore (3712167/446A), Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.66547° / -121.75130°

Township: 03S

UTM: Zone-10 N4169432 E610131

Range: 02E

Radius: 1/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 15

Qtr: XX

Elevation: 550 ft

Symbol Type:POINT

Meridian: M

Location: ALONG WENTE AVENUE, SOUTH OF PLEASANT VIEW LANE, LIVERMORE.

Location Detail:1 ADULT OBSERVED ON THE ROAD, DURING A HEAVY RAIN, AT 8:15 PM.

Ecological: SURROUNDING LANDS INCLUDE VINEYARDS, FALLOW AGRICULTURAL FIELDS, ANNUAL GRASSLANDS, AND SPARSELY SCATTERED HOMES.

General: 1 ADULT OBSERVED MIGRATINGTO/FROM A BREEDING SITE.

Owner/Manager: UNKNOWN

Occurrence No. 142

Map Index: 24129

EO Index: 7281

Dates Last Seen

Occ Rank: Good

Element: 1992-12-28

Origin: Natural/Native occurrence

Site: 1992-12-28

Presence: Presumed Extant

Record Last Updated: 1993-09-28

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.70165° / -121.82273°

Township: 03S

UTM: Zone-10 N4173365 E603780

Range: 01E

Area: 12.0 acres

Mapping PrecisionSPECIFIC

Section: 1

Qtr: XX

Elevation: 380 ft

Symbol Type:POLYGON

Meridian: M

Location: VICINITY OF THE INTERSECTION OF DOOLAN ROAD AND COLLIER CANYON ROAD, ON THE NORTH SIDE OF I-580, NW OF LIVERMORE.

Location Detail:ONE ADULT OBSERVED CROSSING COLLIER CANYON ROAD AND A SECOND WAS OBSERVED CROSSING DOOLAN ROAD ON 28 DECEMBER 1992, DURING A RAINSTORM.

Ecological: SURROUNDING HABITAT CONSISTS OF ANNUAL GRASSLAND.

Threat: THREATS INCLUDE CATTLE GRAZING AND A PROPOSED HOUSING DEVELOPMENT.

Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 143

Map Index: 24124

EO Index: 7282

Dates Last Seen

Occ Rank: Excellent

Element: 1992-12-28

Origin: Natural/Native occurrence

Site: 1992-12-28

Presence: Presumed Extant

Record Last Updated: 1993-09-09

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.71172° / -121.82357°

Township: 02S

UTM: Zone-10 N4174481 E603692

Range: 01E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 35

Qtr: SE

Elevation: 460 ft

Symbol Type: POINT

Meridian: M

Location: DOOLAN ROAD, 0.7 MILES NORTH OF I-580, NW OF LIVERMORE.

Location Detail: ONE ADULT OBSERVED CROSSING ROAD, HEADING TOWARD COTTONWOOD CREEK, DURING A RAINSTORM.

Ecological: SURROUNDING HABITAT CONSISTS OF ANNUAL GRASSLAND.

Threat: THREATS INCLUDE GRAZING AND A PROPOSED HOUSING DEVELOPMENT.

Owner/Manager: UNKNOWN

Occurrence No. 144

Map Index: 24125

EO Index: 7283

Dates Last Seen

Occ Rank: Good

Element: 1992-12-28

Origin: Natural/Native occurrence

Site: 1992-12-28

Presence: Presumed Extant

Record Last Updated: 1993-09-13

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72435° / -121.82424°

Township: 02S

UTM: Zone-10 N4175882 E603615

Range: 01E

Radius: 1/5 mile

Mapping Precision: NON-SPECIFIC

Section: 26

Qtr: SE

Elevation: 640 ft

Symbol Type: POINT

Meridian: M

Location: ALONG DOOLAN ROAD, 1.5 MILES NORTH OF I-580, NW OF LIVERMORE.

Ecological: HABITAT CONSISTS OF ANNUAL GRASSLAND.

Threat: THREATS INCLUDE CATTLE GRAZING AND A PROPOSED HOUSING DEVELOPMENT.

General: IN 1992, ONE ADULT WAS FOUND ALIVE IN A SWIMMING POOL FILTER BASKET AT 5033 DOOLAN ROAD ON 12 DECEMBER; A SECOND ADULT WAS OBSERVED ON 28 DECEMBER CROSSING A COUNTY ROAD, HEADING FOR A POOL IN COTTONWOOD CREEK.

Owner/Manager: PVT

Occurrence No. 145

Map Index: 24126

EO Index: 7284

Dates Last Seen

Occ Rank: Excellent

Element: 1992-12-28

Origin: Natural/Native occurrence

Site: 1992-12-28

Presence: Presumed Extant

Record Last Updated: 1993-09-13

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.73142° / -121.83638°

Township: 02S

UTM: Zone-10 N4176653 E602536

Range: 01E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 26

Qtr: SW

Elevation: 580 ft

Symbol Type: POINT

Meridian: M

Location: ALONG DOOLAN ROAD, 2.5 MILES NORTH OF I-580, NW OF LIVERMORE.

Ecological: HABITAT CONSISTS OF ANNUAL GRASSLAND.

Threat: THREATS INCLUDE CATTLE GRAZING AND A PROPOSED HOUSING DEVELOPMENT.

General: IN 1992, ONE ADULT WAS OBSERVED CROSSING THE COUNTY ROAD, HEADING FOR A POOL IN COTTONWOOD CREEK.

Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 146

Map Index: 24127

EO Index: 7285

Dates Last Seen

Occ Rank: Excellent

Origin: Natural/Native occurrence

Presence: Presumed Extant

Trend: Unknown

Element: 1992-12-28

Site: 1992-12-28

Record Last Updated: 1993-09-13

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.73603° / -121.80838°

UTM: Zone-10 N4177196 E604996

Radius: 80 meters

Elevation: 500 ft

Township: 02S

Range: 01E

Section: 25

Meridian: M

Qtr: NE

Mapping Precision: SPECIFIC

Symbol Type: POINT

Location: ALONG COLLIER CANYON ROAD, 2.5 MILES NORTH OF I-580, NW OF LIVERMORE.

Ecological: HABITAT CONSISTS OF ANNUAL GRASSLAND.

Threat: MAIN THREAT IS CATTLE GRAZING.

General: IN 1992, ONE ADULT WAS OBSERVED CROSSING THE COUNTY ROAD, HEADING WEST TOWARD THE CREEK AND SEVERAL PONDS (DURING LIGHT RAIN).

Owner/Manager: UNKNOWN

Occurrence No. 147

Map Index: 24128

EO Index: 7286

Dates Last Seen

Occ Rank: Excellent

Origin: Natural/Native occurrence

Presence: Presumed Extant

Trend: Unknown

Element: 1992-12-28

Site: 1992-12-28

Record Last Updated: 1993-09-28

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.74238° / -121.81009°

UTM: Zone-10 N4177898 E604837

Radius: 80 meters

Elevation: 620 ft

Township: 02S

Range: 01E

Section: 24

Meridian: M

Qtr: SE

Mapping Precision: SPECIFIC

Symbol Type: POINT

Location: ALONG COLLIER CANYON ROAD, 3 MILES NORTH OF I-580, NW OF LIVERMORE.

Ecological: HABITAT CONSISTS OF ANNUAL GRASSLAND.

Threat: MAIN THREAT IS CATTLE GRAZING.

General: IN 1992, ONE ADULT WAS OBSERVED CROSSING THE COUNTY ROAD, HEADING WEST.

Owner/Manager: UNKNOWN

Occurrence No. 188

Map Index: 33751

EO Index: 1459

Dates Last Seen

Occ Rank: Good

Origin: Natural/Native occurrence

Presence: Presumed Extant

Trend: Unknown

Element: 1999-05-14

Site: 1999-05-14

Record Last Updated: 2001-09-10

Quad Summary: Livermore (3712167/446A), Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72301° / -121.73787°

UTM: Zone-10 N4175833 E611229

Area:

Elevation: 500 ft

Township: 02S

Range: 02E

Section: 27

Meridian: M

Qtr: XX

Mapping Precision: NON-SPECIFIC

Symbol Type: POLYGON

Location: SPRINGTOWN, SOUTH OF RAYMOND ROAD AND WEST OF VASCO ROAD, NORTH OF LIVERMORE.

Location Detail: INCLUDED IN AREA ARE THE SPRINGTOWN PROJECT SITE (SE CORNER) & SPRINGTOWN MITIGATION SITE (MIDDLE WEST)

Ecological: HABITAT CONSISTS OF ALKALI SINK CONTAINING VERNAL POOLS. CORDYLANTHUS PALMATUS, BRANCHINECTA LYNCHI, AND ATHENE CUNICULARIA ALSO FOUND IN AREA.

Threat: THREATS INCLUDE DEVELOPMENT, INVASIVE EXOTICS, ORV'S (INCLUDING HEAVY BICYCLE USE), AND DUMPING.

General: SEVERAL OBS 1991-93. 4/6/92: CAS# 197604, LARVA; CAS# 197609, LARVA. 1 ADULT OBS, 1993 (IN SWIMMING POOL), ADJACENT TO A CREEK. 50+ JUVENILES OBS, 1998. 1 JUV OBS NORTH END, SEVERAL IN SE, & 1 IN MID-WESTERN PORTIONS OF POLYGON, 1999.

Owner/Manager: CITY OF LIVERMORE, PVT

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G2G3

CDFG Status: SC

State: None

State: S2S3

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 238

Map Index: 26023

EO Index: 5043

Dates Last Seen

Occ Rank: Good

Element: 1996-12-21

Origin: Natural/Native occurrence

Site: 1997-01-23

Presence: Presumed Extant

Record Last Updated: 1999-05-11

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.71919° / -121.76232°

Township: 02S

UTM: Zone-10 N4175380 E609080

Range: 02E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 33

Qtr: XX

Elevation: 460 ft

Symbol Type:POLYGON

Meridian: M

Location: WEST OF LORRAINE STREET AND NORTH OF I-580, LIVERMORE.

Ecological: HABITAT CONSISTS OF NON-NATIVE ANNUAL GRASSLAND, INTERSPERSED WITH SEASONAL WETLANDS. MIMA-MOUND TOPOGRAPHY. CTS USE GROUND SQUIRREL BURROWS, FOUND IN THE MORE UPLAND AREAS, FOR AESTIVATION.

Threat: THREATENED BY PROPOSED DEVELOPMENT.

General: AN UNKNOWN NUMBER OF CTS WERE CAPTURED AND RELEASED ON 31 MARCH 1992. NUMEROUS ADULTS OBSERVED DURING NOCTURNAL SURVEYS OF GROUND SQUIRREL BURROWS AND PITFALL TRAPPING, FROM 12 MAR 1996 THROUGH 23 JAN 1997.

Owner/Manager: PVT

Occurrence No. 432

Map Index: 38736

EO Index: 33743

Dates Last Seen

Occ Rank: Poor

Element: 1998-04-19

Origin: Natural/Native occurrence

Site: 1998-04-19

Presence: Presumed Extant

Record Last Updated: 2002-09-05

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.70972° / -121.85547°

Township: 02S

UTM: Zone-10 N4174225 E600883

Range: 01E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 34

Qtr: SW

Elevation: 380 ft

Symbol Type:POINT

Meridian: M

Location: 0.6 MILE NW OF THE JUNCTION OF FALLON ROAD AND I-580, EAST OF DUBLIN.

Ecological: HABITAT CONSISTS OF A STOCK POND, SURROUNDED BY OPEN, ROLLINGS HILLS OF GRAZED GRASSLAND; SPRING BOX UPSTREAM FROM A LONE, LARGE WILLOW TREE.

Threat: THREATENED BY DEVELOPMENT AND EROSION OF EARTHEN DAM; DAM CUT THROUGH SO POND DRIES A COUPLE OF WEEKS AFTER RAINS STOP.

General: 2 LARVAE COLLECTED (MRJ #1373) ON 19 APRIL 1998; 1 LARVA RELEASED AND 1 DEPOSITED AT CAS (CAS #207146).

Owner/Manager: PVT

Occurrence No. 433

Map Index: 38737

EO Index: 33744

Dates Last Seen

Occ Rank: Good

Element: 1998-04-19

Origin: Natural/Native occurrence

Site: 1998-04-19

Presence: Presumed Extant

Record Last Updated: 2001-09-14

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.71237° / -121.86550°

Township: 02S

UTM: Zone-10 N4174508 E599995

Range: 01E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 33

Qtr: SE

Elevation: 380 ft

Symbol Type:POINT

Meridian: M

Location: 0.8 MILE NNE OF THE INTERSECTION OF I-580 AND TASSAJARA ROAD, EAST OF DUBLIN.

Ecological: HABITAT CONSISTS OF A STOCK POND SURROUNDED BY OPEN, ROLLING HILLS OF GRAZED GRASSLAND.

Threat: THREATENED BY PROPOSED DEVELOPMENT AND EROSION OF THE EARTHEN DAM.

General: 3 LARVAE COLLECTED (MRJ #1374) ON 19 APR 1998; 2 RELEASED AND 1 DEPOSITED AT CAS (CAS #207147).

Owner/Manager: PVT

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 448

Map Index: 38907

EO Index: 35563

Dates Last Seen

Occ Rank: Fair

Element: 1998-11-07

Origin: Natural/Native occurrence

Site: 1998-11-07

Presence: Presumed Extant

Record Last Updated: 2002-11-05

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.71027° / -121.79050°

Township: 02S

UTM: Zone-10 N4174358 E606609

Range: 02E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 31

Qtr: SE

Elevation: 530 ft

Symbol Type: POINT

Meridian: M

Location: 1.2 MILES NW OF THE I-580/NORTH LIVERMORE AVENUE INTERCHANGE, NORTH OF LIVERMORE.

Ecological: HABITAT CONSISTS OF A VERNAL POOL, SURROUNDED BY OPEN, GRAZED GRASSLAND, WITH LOTS OF STAR THISTLE.

Threat: THREATENED BY DEVELOPMENT.

General: 22 JUVENILES OBSERVED ON 7 NOV 1998.

Owner/Manager: PVT

Occurrence No. 453

Map Index: 41135

EO Index: 41135

Dates Last Seen

Occ Rank: Fair

Element: 1997-11-21

Origin: Natural/Native occurrence

Site: 1997-11-21

Presence: Presumed Extant

Record Last Updated: 1999-06-01

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72424° / -121.87374°

Township: 02S

UTM: Zone-10 N4175816 E599253

Range: 01E

Radius: 1/10 mile

Mapping Precision: NON-SPECIFIC

Section: 28

Qtr: XX

Elevation: 428 ft

Symbol Type: POINT

Meridian: M

Location: WEST OF TASSAJARA CREEK, 0.6 MILE NORTH OF SANTA RITA COUNTY REHABILITATION CENTER, NORTH OF DUBLIN.

Location Detail: INDIVIDUAL WAS FOUND IN THE GROUND IN A POSTHOLE.

Ecological: HABITAT CONSISTS OF NON-NATIVE GRASSLAND, DOMINATED MAINLY BY EXOTICS AND SOME VERNAL POOLS/WET MEADOWS.

General: 1 ADULT OBSERVED ON 21 NOV 1997.

Owner/Manager: DOD-ARMY

Occurrence No. 455

Map Index: 41454

EO Index: 41454

Dates Last Seen

Occ Rank: Good

Element: 1999-05-14

Origin: Natural/Native occurrence

Site: 1999-05-14

Presence: Presumed Extant

Record Last Updated: 1999-08-10

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.63070° / -121.85659°

Township: 03S

UTM: Zone-10 N4165456 E600891

Range: 01E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 34

Qtr: XX

Elevation: 710 ft

Symbol Type: POINT

Meridian: M

Location: 0.75 MILE EAST OF THE INTERSECTION OF HAPPY VALLEY ROAD & ALISAL STREET, 1.5 MILES SSE OF PLEASANTON.

Ecological: HABITAT CONSISTS OF A SMALL STOCKPOND SURROUNDED BY GRAZED ANNUAL GRASSLAND. POND IS 6-8 INCHES DEEP AND 0.02 ACRES IN SIZE; VEGETATED BY XANTHIUM (DEAD PLANTS).

Threat: POSSIBLE THREAT FROM OVER-GRAZING.

General: AT LEAST 5 LARVAE (7.5-9.5CM TOTAL LENGTH) OBSERVED ON 14 MAY 1999.

Owner/Manager: PVT

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G2G3

CDFG Status: SC

State: None

State: S2S3

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 561

Map Index: 68176

EO Index: 45944

Dates Last Seen

Occ Rank: Good

Element: 2004-03-18

Origin: Natural/Native occurrence

Site: 2004-03-18

Presence: Presumed Extant

Record Last Updated: 2007-02-21

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.73375° / -121.86035°

Township: 02S

UTM: Zone-10 N4176886 E600419

Range: 01E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 28

Qtr: NW

Elevation: 620 ft

Symbol Type:POLYGON

Meridian: M

Location: 0.3 MILES EAST OF TASSAJARA ROAD AND 0.4 MILES SOUTH OF THE ALAMEDA/CONTRA COSTA COUNTY LINE, 4 MILES NW OF LIVERMORE.

Location Detail: 2004 CTS CAPTURED IN AREA BETWEEN TWO HILLS DIRECTLY SOUTH OF MISSION PEAK AND RELOCATED TO UNDISTURBED BURROW; MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY SOURCE.

Ecological: 2000 HABITAT CONSISTS OF A STOCK POND IN AN UNNAMED EASTERN TRIBUTARY TO TASSAJARA CREEK. RED-LEGGED FROGS ALSO PRESENT AT THIS SITE. 2004 HABITAT CONSISTS OF ANNUAL GRASSLAND.

Threat: STREAM EROSION, HEAVY GRAZING, GROUND SQUIRREL POISONING BY CO, POTENTIAL DEVELOPMENT (2003), IMMINENT GRADING (2004)

General: 2 ADULTS CAPTURED (MRJ #1487) ON 23 JAN 2000; 1 ADULT MALE (SVL 98 MM, TAIL 97 MM, 26.3 GM) COLLECTED AND DEPOSITED AT CAS (CAS #211684). 1 WOUNDED ADULT CAPTURED/RELOCATED ON 17 MAR, 1 ADULT CAPTURED/RELOCATED 18 MAR 2004.

Owner/Manager: PVT, UNKNOWN

Occurrence No. 574

Map Index: 46239

EO Index: 46239

Dates Last Seen

Occ Rank: Good

Element: 2000-03-10

Origin: Natural/Native occurrence

Site: 2001-04-XX

Presence: Presumed Extant

Record Last Updated: 2001-10-24

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.62829° / -121.84278°

Township: 03S

UTM: Zone-10 N4165203 E602113

Range: 01E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 34

Qtr: XX

Elevation: 920 ft

Symbol Type:POINT

Meridian: M

Location: 2.5 MILES SE OF PLEASANTON

Ecological: HABITAT CONSISTS OF A VERNAL POOL IN ROLLING HILLS/GRAZED ANNUAL GRASSLAND. LINDERIELLA OCCIDENTALIS ALSO FOUND AT THIS SITE.

Threat: THREATENED BY OVER-GRAZING.

General: 2 LARVAE OBSERVED ON 10 MAR 2000. NO CTS WERE OBSERVED DURING TWO VISITS IN MAR-APR 2001.

Owner/Manager: PVT-GENERAL ELECTRIC

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G2G3

CDFG Status: SC

State: None

State: S2S3

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 640

Map Index: 46699

EO Index: 46699

Dates Last Seen

Occ Rank: Unknown

Element: 1992-10-XX

Origin: Natural/Native occurrence

Site: 1992-10-XX

Presence: Presumed Extant

Record Last Updated: 2001-12-03

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.66914° / -121.84078°

Township: 03S

UTM: Zone-10 N4169738 E602233

Range: 01E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 14

Qtr: XX

Elevation: 360 ft

Symbol Type:POLYGON

Meridian: M

Location: SHADOW CLIFFS REGIONAL RECREATION AREA. SOUTH OF STANLEY BLVD AND NORTH OF VINEYARD AVE, PLEASANTON.

Ecological: BREEDING POND.

General: UNKNOWN NUMBER OBSERVED. J DI DONATO (EBRPD) IS THE SOURCE OF THE INFORMATION, REPORTED BY LSA.

Owner/Manager: EBRPD

Occurrence No. 711

Map Index: 49060

EO Index: 49060

Dates Last Seen

Occ Rank: Poor

Element: 2002-01-02

Origin: Natural/Native occurrence

Site: 2002-01-02

Presence: Presumed Extant

Record Last Updated: 2002-10-16

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.64429° / -121.86145°

Township: 03S

UTM: Zone-10 N4166959 E600444

Range: 01E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 28

Qtr: XX

Elevation: 478 ft

Symbol Type:POINT

Meridian: M

Location: 1.1 MILES EAST OF THE INTERSECTION OF SYCAMORE ROAD AND SUNOL BOULEVARD, PLEASANTON

Location Detail: SITE IS AN OLD STOCK POND NEAR THE RANCH BUILDINGS OF THE LUND RANCH.

Ecological: HABITAT CONSISTS OF AN OLD STOCK POND; SURROUNDED BY GRAZED OAK WOODLAND ON A SOUTH-FACING SLOPE

Threat: THREATENED BY STOCK POND DAM EROSION AND PROPOSED HOUSING DEVELOPMENT.

General: 2 ADULTS OBSERVED/COLLECTED (MRJ #1534) ON 2 JAN 2002 AND DEPOSITED AT CAS.

Owner/Manager: PVT

Occurrence No. 781

Map Index: 54123

EO Index: 54123

Dates Last Seen

Occ Rank: Fair

Element: 2004-01-12

Origin: Natural/Native occurrence

Site: 2004-01-12

Presence: Presumed Extant

Record Last Updated: 2004-01-28

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.62916° / -121.78360°

Township: 03S

UTM: Zone-10 N4165367 E607333

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 32

Qtr: XX

Elevation: 625 ft

Symbol Type:POINT

Meridian: M

Location: 1 MILE WEST OF THE VETERANS HOSPITAL, SOUTH OF LIVERMORE

Ecological: HABITAT CONSISTS OF SEASONAL WETLAND/GRASSLAND; THIS SEASONALLY WET AREA DOES NOT HOLD WATER LONG.

General: 100+ EGG MASSES OBSERVED ON 12 JAN 2004

Owner/Manager: LIVERMORE AREA RPD

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 782

Map Index: 54124

EO Index: 54124

Dates Last Seen

Occ Rank: Good

Element: 2003-12-29

Origin: Natural/Native occurrence

Site: 2003-12-29

Presence: Presumed Extant

Record Last Updated: 2004-01-28

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.63389° / -121.77622°

Township: 03S

UTM: Zone-10 N4165900 E607977

Range: 02E

Area:

Mapping Precision: NON-SPECIFIC

Section: 32

Qtr: XX

Elevation: 460 ft

Symbol Type: POLYGON

Meridian: M

Location: SYCAMORE GROVE PARK, SOUTH OF LIVERMORE

Ecological: HABITAT CONSISTS OF A STOCK POND AND A MITIGATION POND IN OAK WOODLAND.

Threat: OLD STOCK POND IS THREATENED BY BERM EROSION.

General: 110+ EGG MASSES OBSERVED ON 21 DEC 2003 AND 1 ADULT OBSERVED ON 29 DEC 2003.

Owner/Manager: LIVERMORE AREA RPD

Occurrence No. 812

Map Index: 55974

EO Index: 55990

Dates Last Seen

Occ Rank: Unknown

Element: 2003-12-23

Origin: Natural/Native occurrence

Site: 2003-12-23

Presence: Presumed Extant

Record Last Updated: 2004-07-02

Trend: Unknown

Quad Summary: Livermore (3712167/446A), Dublin (3712168/446B)

County Summary: Alameda

Lat/Long: 37.73215° / -121.87661°

Township: 02S

UTM: Zone-10 N4176691 E598989

Range: 01E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 28

Qtr: XX

Elevation: 620 ft

Symbol Type: POINT

Meridian: M

Location: TASSAJARA CREEK REGIONAL PARK. 0.3 MI WEST OF TASSAJARA ROAD. ABOUT 2.1 MILES NORTH OF I-580.

General: 1 COLLECTED 23 DEC 2003 BY J.A. WILKINSON, CAS #228200.

Owner/Manager: EBRPD-TASSAJARA CREEK RP

Occurrence No. 816

Map Index: 58150

EO Index: 58222

Dates Last Seen

Occ Rank: Excellent

Element: 2003-02-10

Origin: Natural/Native occurrence

Site: 2003-02-10

Presence: Presumed Extant

Record Last Updated: 2004-11-22

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.62681° / -121.80933°

Township: 03S

UTM: Zone-10 N4165077 E605066

Range: 01E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 36

Qtr: XX

Elevation: 690 ft

Symbol Type: POINT

Meridian: M

Location: 0.1 MILE NW OF HIGHWAY 84, JUST SOUTH OF THE RUBY HILLS SUBDIVISION, 4 MILES SE OF PLEASANTON

Location Detail: CTS LARVAE DETECTED DURING BI-WEEKLY BRANCHIOPOD SURVEYS IN 2003.

Ecological: HABITAT CONSISTS OF A SEMI-PERMANENT STOCK POND (~20 METERS IN DIAMETER); SURROUNDING GRAZED GRASSLANDS SUPPORT NUMEROUS CALIFORNIA GROUND SQUIRRELS. CRLF ALSO FOUND AT THIS SITE IN 2003.

General: CTS LARVAE (ESTIMATED >100) FIRST DETECTED ON 27 JAN 2003; DETECTED AGAIN ON 10 FEB 2003.

Owner/Manager: PVT

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 817

Map Index: 58187

EO Index: 58223

Dates Last Seen

Occ Rank: Unknown

Element: 1989-XX-XX

Origin: Natural/Native occurrence

Site: 2003-04-22

Presence: Possibly Extirpated

Record Last Updated: 2004-11-22

Trend: Decreasing

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.62809° / -121.80617°

Township: 03S

UTM: Zone-10 N4165222 E605343

Range: 01E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 36

Qtr: XX

Elevation: 620 ft

Symbol Type: POINT

Meridian: M

Location: NORTH SIDE OF HIGHWAY 84, 3.8 MILES SE OF PLEASANTON

Ecological: HABITAT CONSISTS OF A SMALL STOCK POND THAT APPEARS TO DRY COMPLETELY MOST YEARS; SURROUNDING UPLANDS ARE GRAZED.

General: CTS WERE PRESENT DURING A 1989 STUDY. 9 SITE VISITS WERE MADE (27 JAN 2002 THROUGH 22 APR 2003), AND NO CTS WERE OBSERVED.

Owner/Manager: PVT

Occurrence No. 862

Map Index: 63652

EO Index: 63747

Dates Last Seen

Occ Rank: Good

Element: 2005-12-02

Origin: Natural/Native occurrence

Site: 2005-12-02

Presence: Presumed Extant

Record Last Updated: 2006-01-12

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.64987° / -121.84535°

Township: 03S

UTM: Zone-10 N4167596 E601856

Range: 01E

Area: 20.7 acres

Mapping Precision: SPECIFIC

Section: 27

Qtr: XX

Elevation: 560 ft

Symbol Type: POLYGON

Meridian: M

Location: EAST OF THE END OF BENEDICT COURT, SE PLEASANTON

Location Detail: SITE CONSISTS OF SEVERAL MAN-MADE PONDS ALONG A DRAINAGE FLOWING DOWNHILL TOWARD THE TOWN OF PLEASANTON.

Ecological: HABITAT CONSISTS OF A SMALL SEASONAL DETENTION BASIN WITH SOME TYPHA AND A PERENNIAL STOCK POND; SURROUNDED BY BLUE OAK WOODLAND WITH A GRAZED, NON-NATIVE ANNUAL UNDERSTORY. NUMEROUS CALIFORNIA GROUND SQUIRREL BURROWS FOUND IN THE VICINITY.

Threat: THREATENED BY EXISTING AND FUTURE DEVELOPMENT.

General: 1 ADULT MALE AND 1 ADULT FEMALE CAPTURE ~10 METERS FROM THE DETENTION BASIN, AND 1 ADULT MALE TRAPPED ALONG THE SW SIDE OF THE STOCK POND, ON 2 DEC 2005.

Owner/Manager: PVT

Occurrence No. 863

Map Index: 63653

EO Index: 63748

Dates Last Seen

Occ Rank: Excellent

Element: 2005-12-02

Origin: Natural/Native occurrence

Site: 2005-12-02

Presence: Presumed Extant

Record Last Updated: 2006-01-12

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.64556° / -121.84804°

Township: 03S

UTM: Zone-10 N4167114 E601624

Range: 01E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 27

Qtr: NE

Elevation: 665 ft

Symbol Type: POINT

Meridian: M

Location: 0.4 MILE SOUTH OF THE END OF BENEDICT COURT, SE PLEASANTON

Location Detail: MOST CAPTURES WERE MADE IN TRAPS ALONG THE WEST SIDE OF THE POND.

Ecological: HABITAT CONSISTS OF A STOCK POND SURROUNDED BY SPARSE BLUE OAK WOODLAND TO THE NORTH AND GRAZED, NON-NATIVE GRASSLAND TO THE SOUTH. NUMEROUS CALIFORNIA GROUND SQUIRREL BURROWS FOUND IN THE VICINITY.

Threat: THREATENED BY DEVELOPMENT.

General: 3 IMMATURES, 12 ADULT MALES, AND 4 ADULT FEMALES CAPTURED ~10 METERS FROM THE BASIN ON 2 DEC 2005.

Owner/Manager: PVT

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G4

CDFG Status: SC

State: None

State: S2

Habitat Associations

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

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

Occurrence No. 77

Map Index: 10712

EO Index: 5832

Dates Last Seen

Occ Rank: Unknown

Element: 1978-06-03

Origin: Natural/Native occurrence

Site: 1978-06-03

Presence: Presumed Extant

Record Last Updated: 1993-11-23

Trend: Unknown

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.71433° / -121.74097°

UTM: Zone-10 N4174866 E610969

Township: 02S

Range: 02E

Radius: 3/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 34

Qtr: XX

Elevation: 500 ft

Symbol Type:POINT

Meridian: M

Location: SPRINGTOWN, IN THE VICINITY OF BLUEBELL DRIVE, NE PART OF LIVERMORE.

General: MANY INDIVIDUAL OBSERVATIONS FROM 1973 TO 1978; AS MANY AS SIX AT ONE TIME OBSERVED.

Owner/Manager: UNKNOWN

Occurrence No. 257

Map Index: 37734

EO Index: 32741

Dates Last Seen

Occ Rank: Unknown

Element: 1997-08-XX

Origin: Natural/Native occurrence

Site: 1997-08-XX

Presence: Presumed Extant

Record Last Updated: 1997-12-17

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72434° / -121.76306°

UTM: Zone-10 N4175950 E609007

Township: 02S

Range: 02E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 28

Qtr: XX

Elevation: 520 ft

Symbol Type:POLYGON

Meridian: M

Location: NORTH SIDE OF HARTFORD AVENUE, EAST OF NORTH LIVERMORE AVENUE, NORTH OF LIVERMORE.

Ecological: HABITAT CONSISTS OF GRAZED GRASSLAND, INHABITED BY GROUND SQUIRRELS.

Threat: THREATENED BY A PROPOSED DEVELOPMENT.

General: AN UNKNOWN NUMBER OF BURROWING OWLS WERE OBSERVED NESTING BETWEEN MAR-AUG 1997.

Owner/Manager: PVT

Occurrence No. 457

Map Index: 48121

EO Index: 48121

Dates Last Seen

Occ Rank: Fair

Element: 2004-05-20

Origin: Natural/Native occurrence

Site: 2004-05-20

Presence: Presumed Extant

Record Last Updated: 2004-06-15

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.68907° / -121.83209°

UTM: Zone-10 N4171959 E602972

Township: 03S

Range: 01E

Radius: 1/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 11

Qtr: XX

Elevation: 370 ft

Symbol Type:POINT

Meridian: M

Location: JUST NORTH OF JACK LONDON BOULEVARD, 700 FEET EAST OF WHERE THE ROAD ENDS, ADJACENT TO LIVERMORE AIRPORT.

Location Detail: BURROW IS LOCATED OUTSIDE THE AIRPORT BOUNDARY FENCE, BUT THE OWLS FORAGE WITHIN THE AIRPORT BOUNDARY.

Ecological: HABITAT IMMEDIATELY SURROUNDING BURROW IS NEXT TO A ROAD, FLAT, NO VEGETATION; OWLS FORAGE ABOUT 200 FT AWAY IN A GRASSY, OPEN FIELD.

Threat: THREATENED BY HUMAN RECREATION, NON-NATIVE PREDATORS (PETS), AND OFF-ROAD VEHICLES.

General: 2 ADULTS OBSERVED AT THE BURROW SITE AND FORAGING ON ADJACENT AIRPORT PROPERTY ON 30 MAY 2002. 2 ADULTS OBSERVED ON 9 APR 2003, 3 YOUNG OBSERVED AT BURROW ON 1 AUG 2003. 3 YOUNG OBSERVED AT BURROW ON 20 MAY 2004.

Owner/Manager: CITY OF LIVERMORE

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G4

CDFG Status: SC

State: None

State: S2

Habitat Associations

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

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

Occurrence No. 671

Map Index: 54935

EO Index: 54935

Dates Last Seen

Occ Rank: Fair

Element: 2004-03-17

Origin: Natural/Native occurrence

Site: 2004-03-17

Presence: Presumed Extant

Record Last Updated: 2004-03-29

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.70379° / -121.87136°

Township: 03S

UTM: Zone-10 N4173551 E599490

Range: 01E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 04

Qtr: XX

Elevation: 350 ft

Symbol Type: POINT

Meridian: M

Location: EAST SIDE OF TASSAJARA ROAD, NORTH OF HIGHWAY 580, SANTA RITA VALLEY

Location Detail: BURROW IS LOCATED ON THE BERM OF A CIL-DE-SAC OFF OF TASSAJARA ROAD.

Ecological: HABITAT SURROUNDING THE BURROW CONSISTS OF NON-NATIVE GRASSLAND TO THE EAST AND ROADS/HIGHWAYS TO THE SOUTH AND WEST.

Threat: THREATENED BY DEVELOPMENT OF THE ADJACENT GRASSLAND AREA TO HOUSES.

General: 2 ADULTS OBSERVED AT A BURROW SITE ON 17 MAR 2004.

Owner/Manager: UNKNOWN

Occurrence No. 775

Map Index: 64246

EO Index: 64341

Dates Last Seen

Occ Rank: Fair

Element: 2005-07-28

Origin: Natural/Native occurrence

Site: 2005-07-28

Presence: Presumed Extant

Record Last Updated: 2006-03-14

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.73930° / -121.84361°

Township: 02S

UTM: Zone-10 N4177520 E601887

Range: 01E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 22

Qtr: SE

Elevation: 667 ft

Symbol Type: POINT

Meridian: M

Location: UPPER END OF COTTONWOOD CANYON, EAST OF DOOLAN CANYON ROAD, 5 MILES NW OF LIVERMORE

Location Detail: BURROW JUST OFF A RANCH ROAD.

Ecological: HABITAT SURROUNDING BURROW CONSISTS OF GRAZED NON-NATIVE GRASSLAND.

Threat: THREATENED BY DEVELOPMENT.

General: 7 OWLS OBSERVED NEAR AN ACTIVE BURROW ON 28 JUL 2005.

Owner/Manager: PVT

Atriplex cordulata

heartscale

Element Code: PDCHE040B0

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2?	CNPS List: 1B.2
State: None	State: S2.2?	

Habitat Associations

General: CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, MEADOWS.

Micro: ALKALINE FLATS AND SCALDS IN THE CENTRAL VALLEY, SANDY SOILS. 1-150(600)M.

Occurrence No. 11

Map Index: 10712

EO Index: 5830

Dates Last Seen

Occ Rank: Unknown

Element: 1988-XX-XX

Origin: Natural/Native occurrence

Site: 1988-XX-XX

Presence: Presumed Extant

Record Last Updated: 1994-02-15

Trend: Unknown

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.71433° / -121.74097°

Township: 02S

UTM: Zone-10 N4174866 E610969

Range: 02E

Radius: 3/5 mile

Mapping Precision: NON-SPECIFIC

Section: 34

Qtr: XX

Elevation: 500 ft

Symbol Type: POINT

Meridian: M

Location: SPRINGTOWN ALKALI SINK, NORTHEAST OF LIVERMORE.

Ecological: ALKALI SINK.

General: ONLY SOURCE OF INFORMATION IS OLSON LETTER TO CNPS MENTIONING 1988 OBSERVATION BY R. COATS ET. AL. MORE PRECISE INFORMATION NEEDED FOR THIS SITE.

Owner/Manager: UNKNOWN

Atriplex depressa

brittlescale

Element Code: PDCHE042L0

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2Q	CNPS List: 1B.2
State: None	State: S2.2	

Habitat Associations

General: CHENOPOD SCRUB, MEADOWS, PLAYAS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro: USUALLY IN ALKALI SCALDS OR ALK. CLAY IN MEADOWS OR ANNUAL GRASSLND; RARELY ASSOC W/RIPARIAN, MARSHES, OR V.P'S. 1-320M.

Occurrence No. 65

Map Index: 51025

EO Index: 51025

Dates Last Seen

Occ Rank: Good

Element: 2000-07-XX

Origin: Natural/Native occurrence

Site: 2000-07-XX

Presence: Presumed Extant

Record Last Updated: 2003-04-17

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.71424° / -121.77351°

Township: 02S

UTM: Zone-10 N4174818 E608100

Range: 02E

Radius: 1/10 mile

Mapping Precision: NON-SPECIFIC

Section: 31

Qtr: SE

Elevation: 500 ft

Symbol Type: POINT

Meridian: M

Location: NORTH OF LIVERMORE, EAST OF CAYETANO CREEK, 0.5 AIRMILE SSW OF HARTMAN ROAD INTERSECTION WITH NORTH LIVERMORE AVENUE.

Location Detail: LOCATION BASED ON APPROXIMATED UTM COORDINATES PROVIDED.

Ecological: ANNUAL GRASSLAND WITH ATRIPLEX SP., CALYSTEGIA SP. FORMERLY DOMINATED BY AVENA SP. & BROMUS HORDEACEUS.

Threat: SITE RECENTLY TILLED.

General: APPROXIMATELY 10 INDIVIDUALS OBSERVED IN 2000.

Owner/Manager: PVT

Atriplex joaquiniana

San Joaquin spearscale

Element Code: PDCHE041F3

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G2

CNPS List: 1B.2

State: None

State: S2.1

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. 2

Map Index: 20661

EO Index: 6737

Dates Last Seen

Occ Rank: Fair

Element: 1991-06-23

Origin: Natural/Native occurrence

Site: 1991-06-23

Presence: Presumed Extant

Record Last Updated: 2006-12-13

Trend: Unknown

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72318° / -121.74639°

Township: 02S

UTM: Zone-10 N4175841 E610478

Range: 02E

Area: 39.8 acres

Mapping Precision: SPECIFIC

Section: 27

Qtr: SW

Elevation: 500 ft

Symbol Type: POLYGON

Meridian: M

Location: SPRINGTOWN SITE, NORTH END OF LIVERMORE, ABOUT 1/2 MILE SOUTH OF RAYMOND ROAD. "SPRINGVALE" HOUSING DEVELOPMENT.

Location Detail: MAPPED AS TWO COLONIES. THE LARGER OF THE COLONIES IS ALONG HARTFORD AVE EAST OF PERCHERON ROAD. THE SMALLER COLONY IS 1/8 MI NORTH OF THE EASTERN END OF HARTFORD AVE WITHIN THE SW 1/4 OF SECTION 27 AND THE NW 1/4 OF SECTION 34.

Ecological: ALKALI SINK SCRUB WITH CORDYLANTHUS PALMATUS, ALLENROLFEA OCCIDENTALIS, HEMIZONIA PUNGENS, SALICORNIA SUBTERMINALIS, SPERGULARIA MACROTHECA LONGISTYLA, FRANKENIA GRANDIFLORA, LASTHENIA JESSICAE, SUAEDA, CRESSA, HORDEUM, VULPIA, AND BROMUS.

Threat: THREATENED BY OVERGRAZING IN 1987. GRAZING REMOVED FROM AT LEAST PART OF THE SITE IN 1990.

General: ~500 PLANTS SEEN IN 1987, BUT LARGE AREA OF HABITAT NOT SURVEYED. 1 PLANT IN 1991 IN AREA N OF THE E END OF HARTFORD AVE. SOME OF POPULATION IS WITHIN SPRINGTOWN WETLANDS RESERVE. 1991 STUTZ COLLECTION FROM 2000 BLUEBELL RD ATTRIBUTED

Owner/Manager: CITY OF LIVERMORE

Occurrence No. 35

Map Index: 24897

EO Index: 6450

Dates Last Seen

Occ Rank: Fair

Element: 1993-07-16

Origin: Natural/Native occurrence

Site: 1993-07-16

Presence: Presumed Extant

Record Last Updated: 1994-01-14

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.69888° / -121.85655°

Township: 03S

UTM: Zone-10 N4173021 E600802

Range: 01E

Area: 15.8 acres

Mapping Precision: SPECIFIC

Section: 3

Qtr: XX

Elevation: 350 ft

Symbol Type: POLYGON

Meridian: M

Location: AMADOR VALLEY; BETWEEN I-580 AND ARROYO LAS POSITAS WEST OF FALLON ROAD, NORTHEAST OF PLEASANTON.

Location Detail: ABOUT 0.4 MILES WEST OF FALLON ROAD/EL CHARRO ROAD INTERCHANGE WITH I-580.

Ecological: DISTURBED ALKALINE WETLANDS AND ADJACENT NON-NATIVE GRASSLAND. ASSOCIATED WITH FRANKENIA GRANDIFLORA, HEMIZONIA PUNGENS, BROMUS HORDEACEUS, LACTUCA SERRIOLA, CENTAUREA SOLSTITIALIS, AND ELYMUS.

Threat: PROPOSED HOUSING DEVELOPMENT, SITE IS PRESENTLY USED AS PASTURE AND/OR HAY GROWING.

General: APPROX 10,000 PLANTS OBSERVED IN 1993 OVER AN AREA OF APPROX. 12 ACRES.

Owner/Manager: CITY OF ALAMEDA

Atriplex joaquiniana

San Joaquin spearscale

Element Code: PDCHE041F3

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G2

CNPS List: 1B.2

State: None

State: S2.1

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. 68

Map Index: 51032

EO Index: 51032

Dates Last Seen

Occ Rank: Good

Element: 2002-XX-XX

Origin: Natural/Native occurrence

Site: 2002-XX-XX

Presence: Presumed Extant

Record Last Updated: 2005-09-27

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.70645° / -121.85569°

UTM: Zone-10 N4173862 E600868

Township: 03S

Range: 01E

Radius: 1/10 mile

Mapping PrecisionNON-SPECIFIC

Section: 03

Qtr: NW

Elevation: 350 ft

Symbol Type:POINT

Meridian: M

Location: NORTH END OF AMADOR VALLEY. NORTHWEST OF INTERSTATE 580 & FALLON ROAD INTERSECTION.

Location Detail: LOCATION BASED ON APPROXIMATED UTM COORDINATES PROVIDED. MAPPED IN THE NW 1/4 OF SECTION 3.

Ecological: NON-NATIVE GRASSLAND OCCASIONALLY FARMED FOR HAY OR DISKED SEASONALLY. VERNAL POOL TOPOGRAPHY PRESENT CLOSE TO BOUNDARY OF SITE. ASSOC: LOLIUM MULTIFLORUM, AVENA SP., BROMUS SP.

Threat: FUTURE DEVELOPMENT.

General: 200-300 PLANTS OBSERVED IN 1999. REPORTER INDICATED POPULATION MOST PRONOUNCED IN AREA SUBJECT TO EXCAVATION IN '99 & SUGGESTS DISTURBANCE PROMOTES RECRUITMENT. 2002 J. GAME OBSERVATION FROM "DUBLIN, E OF 680 & N OF 580" ATTRIBUTED HERE.

Owner/Manager: PVT

Occurrence No. 80

Map Index: 67391

EO Index: 67556

Dates Last Seen

Occ Rank: Poor

Element: 2006-06-06

Origin: Natural/Native occurrence

Site: 2006-06-06

Presence: Presumed Extant

Record Last Updated: 2006-12-13

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.73361° / -121.83666°

UTM: Zone-10 N4176896 E602508

Township: 02S

Range: 01E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 26

Qtr: NW

Elevation: 600 ft

Symbol Type:POINT

Meridian: M

Location: DOOLAN CANYON, 0.4 AIR MILE ESE OF THE PEAK MARKED "COTTON" ON THE USGS TOPO MAP, NW OF LIVERMORE.

Location Detail: ADJACENT TO COTTONWOOD CREEK NEAR THE S1/2 OF THE NW 1/4 OF SECTION 26.

Ecological: ALKALINE WETLAND PLANT COMMUNITY DOMINATED BY DISTICHLIS SPICATA. ALSO ASSOCIATED WITH CRYPISIS SCHOENOIDES, FRANKENIA SALINA, CENTROMADIA PUNGENS SSP. PUNGENS, AND SPERGULARIA MARINA.

Threat: GRAZING.

General: 29 PLANTS OBSERVED IN 2006 BETWEEN THIS OCCURRENCE AND OCCURRENCES 81 AND 82 COMBINED.

Owner/Manager: PVT

Atriplex joaquiniana

San Joaquin spearscale

Element Code: PDCHE041F3

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G2

CNPS List: 1B.2

State: None

State: S2.1

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. 81

Map Index: 67394

EO Index: 67558

Dates Last Seen

Occ Rank: Poor

Element: 2006-06-06

Origin: Natural/Native occurrence

Site: 2006-06-06

Presence: Presumed Extant

Record Last Updated: 2006-12-13

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.73139° / -121.82583°

Township: 02S

UTM: Zone-10 N4176662 E603465

Range: 01E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 26

Qtr: SE

Elevation: 600 ft

Symbol Type:POINT

Meridian: M

Location: SIDE CANYON OFF OF DOOLAN CANYON, NW OF LIVERMORE. 1.0 AIR MILE ESE OF THE PEAK MARKED "COTTON" ON THE USGS TOPO MAP.

Location Detail:IN THE NE 1/4 OF THE SE 1/4 OF SECTION 26.

Ecological: ALKALINE WETLAND PLANT COMMUNITY DOMINATED BY DISTICHLIS SPICATA. ALSO ASSOCIATED WITH CRYPISIS SCHOENOIDES, FRANKENIA SALINA, CENTROMADIA PUNGENS SSP. PUNGENS, AND SPERGULARIA MARINA.

Threat: GRAZING.

General: 29 PLANTS OBSERVED IN 2006 BETWEEN THIS OCCURRENCE AND OCCURRENCES 80 AND 82 COMBINED. THREE POPULATIONS OF UNKNOWN SIZE OBSERVED AT THESE COORDINATES IN 2006.

Owner/Manager: PVT

Occurrence No. 82

Map Index: 67395

EO Index: 67560

Dates Last Seen

Occ Rank: Poor

Element: 2006-06-06

Origin: Natural/Native occurrence

Site: 2006-06-06

Presence: Presumed Extant

Record Last Updated: 2006-12-13

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72750° / -121.81944°

Township: 02S

UTM: Zone-10 N4176237 E604033

Range: 01E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 25

Qtr: SW

Elevation: 600 ft

Symbol Type:POINT

Meridian: M

Location: SIDE CANYON OFF OF DOOLAN CANYON, NW OF LIVERMORE. 1.5 AIR MILE ESE OF THE PEAK MARKED "COTTON" ON THE USGS TOPO MAP.

Location Detail:IN THE SW 1/4 OF THE SW 1/4 OF SECTION 25.

Ecological: ALKALINE WETLAND PLANT COMMUNITY DOMINATED BY DISTICHLIS SPICATA. ALSO ASSOCIATED WITH CRYPISIS SCHOENOIDES, FRANKENIA SALINA, CENTROMADIA PUNGENS SSP. PUNGENS, AND SPERGULARIA MARINA.

Threat: GRAZING.

General: 29 PLANTS OBSERVED IN 2006 BETWEEN THIS OCCURRENCE AND OCCURRENCES 80 AND 81 COMBINED.

Owner/Manager: PVT

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G3

CDFG Status:

State: None

State: S2S3

Habitat Associations

General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.

Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 99

Map Index: 25002

EO Index: 1458

Dates Last Seen

Occ Rank: Good

Element: 1993-XX-XX

Origin: Natural/Native occurrence

Site: 2000-XX-XX

Presence: Presumed Extant

Record Last Updated: 2000-08-07

Trend: Unknown

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72266° / -121.73788°

Township: 02S

UTM: Zone-10 N4175794 E611229

Range: 02E

Area:

Mapping Precision: NON-SPECIFIC

Section: 34

Qtr: XX

Elevation: 500 ft

Symbol Type: POLYGON

Meridian: M

Location: SPRINGTOWN, SOUTH OF RAYMOND ROAD AND WEST OF VASCO ROAD, NORTH OF LIVERMORE.

Ecological: HABITAT CONSISTS OF ALKALI SINK CONTAINING VERNAL POOLS.

Threat: INVASIVE EXOTICS, ORV'S, NATURAL DISTURBANCE REGIME ALTERED (FIRE CONTROL); DISSRUPTION OF HYDROLOGY AND DUMPING.

General: SHRIMP OBSERVED WITH 2 COLLECTED FOR DENTON BELK'S COLLECTION 1991-1993; SEVERAL AMBYSTOMA TIGRIUM CALIFORIENSE, CORDYLANTHUS PALMATUS & ATHENE CUNICULARIA ALSO FOUND IN THE AREA. NONE FOUND IN SW 1/4 OF POLY, 2000

Owner/Manager: CITY OF LIVERMORE, PVT

Occurrence No. 142

Map Index: 28335

EO Index: 29434

Dates Last Seen

Occ Rank: Good

Element: 1996-11-27

Origin: Natural/Native occurrence

Site: 1996-11-27

Presence: Presumed Extant

Record Last Updated: 1999-10-13

Trend: Unknown

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72322° / -121.75888°

Township: 02S

UTM: Zone-10 N4175831 E609377

Range: 02E

Area: 64.8 acres

Mapping Precision: SPECIFIC

Section: 33

Qtr: VW

Elevation: 515 ft

Symbol Type: POLYGON

Meridian: M

Location: 0.6 MILE EAST OF HARTFORD AVENUE & NORTH LIVERMORE AVENUE INTERSECTION; 1.3 MILES NORTH OF INTERSTATE 580.

Location Detail: STONECHASE PROJECT SITE. POOL #'S: 1, 2, 23, 24, 48, 51, 53, 67, 92. SWALE #'S: 4, 22-2, 50. MIMA-MOUND TOPAGRAPHY.

Ecological: SEASONAL WETLAND WITH NON-NATIVE ANNUAL GRASSLAND UPLAND; DOMINANT PLANTS: CALLITRICHE MARGINATA, DOWNINGIA PULCHELLA, LASTHENIA FREMONTII, PSIOCARPHUS TENELLUS VAR. TENELLUS, FRANKENIA SALINA, HORDEUM MARINUM GUSSONEANUM, JUNCUS BUFONIUS.

Threat: CATTLE GRAZING & PROPOSED DEVELOPMENT.

General: 1996: ~20 OBS IN POOL #1, 2 IN POOL #2, 50-100 IN #23; 25-50 IN #24, 10 IN #48, ~50 IN POOLS 53 & 92, 10 IN #67, ~100 IN POOL 51, AND SWALES 22-2 & 50, >20 IN SWALE 4. SPECIMENS AT CAS.

Owner/Manager: PVT

Buteo regalis

ferruginous hawk

Element Code: ABNKC19120

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G4	CDFG Status: SC
State: None	State: S3S4	

Habitat Associations

General: OPEN GRASSLANDS, SAGEBRUSH FLATS, DESERT SCRUB, LOW FOOTHILLS & FRINGES OF PINYON-JUNIPER HABITATS.
Micro: EATS MOSTLY LAGOMORPHS, GROUND SQUIRRELS, AND MICE. POPULATION TRENDS MAY FOLLOW LAGOMORPH POPULATION CYCLES.

Occurrence No. 26	Map Index: 66018	EO Index: 66097	Dates Last Seen
Occ Rank: Unknown			Element: 1998-12-01
Origin: Natural/Native occurrence			Site: 1998-12-01
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2006-08-23

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72954° / -121.76780°	Township: 02S
UTM: Zone-10 N4176522 E608581	Range: 02E
Radius: 3/5 mile	Section: 28
Elevation: 540 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: NW OF LIVERMORE, IN THE VICINITY OF INTERSECTION OF HARTMAN RD AND NORTH LIVERMORE AVE.

Ecological: GRAZING LAND, OCCASIONAL EUCALYPTUS STANDS, 0-5% SLOPE.

Threat: TRAFFIC DISTURBANCE AND FUTURE URBAN DEVELOPMENT.

General: WINTERING & FORAGING SITE. 1-4 BIRDS OBSERVED BETWEEN 23 OCT AND 4 DEC 1997. 1 INDIVIDUAL OBS 1 DEC 1998.

Owner/Manager: PVT

Centromadia parryi ssp. congdonii

Congdon's tarplant

Element Code: PDAST4R0P1

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G4T3	CNPS List: 1B.2
State: None	State: S3.2	

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND.

Micro: ALKALINE SOILS, SOMETIMES DESCRIBED AS HEAVY WHITE CLAY. 1-230M.

Occurrence No. 11	Map Index: 25530	EO Index: 5887	Dates Last Seen
Occ Rank: Excellent			Element: 1999-05-14
Origin: Natural/Native occurrence			Site: 1999-05-14
Presence: Presumed Extant			
Trend: Stable			Record Last Updated: 2003-06-10

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.70416° / -121.84625°	Township: 03S
UTM: Zone-10 N4173618 E601703	Range: 01E
Area: 100.2 acres	Section: 03
Elevation: 355 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

Location: LIVERMORE VALLEY, NORTH OF I-580 BETWEEN FALLON ROAD AND CROAK ROAD, WEST OF LIVERMORE.

Location Detail: AT TOE OF SLOPES AND IN FLATS OF FIELD BETWEEN FALLON ROAD AND CROAK ROAD; UP TO 0.4 MILE NORTH OF I-580.

Ecological: ANNUAL GRASSLAND WITH LOLIUM MULTIFLORUM, RUMEX CRISPUS, CONVULVULUS ARVENSIS, AND PICRIS ECHIOIDES. SOILS MAPPED AS CLEAR LAKE CLAY AND RINCON CLAY LOAM.

General: 76,000 PLANTS OBSERVED IN 1998. HISTORIC COLLECTION BY HOWELL (#5544 CAS) IS ALSO ATTRIBUTED TO THIS SITE. PLANTS OBSERVED IN VICINITY IN 1999 DURING SURVEY FOR ATRIPLEX JOAQUINIANA.

Owner/Manager: PVT

Occurrence No. 42	Map Index: 42348	EO Index: 42348	Dates Last Seen
Occ Rank: Excellent			Element: 1998-10-06
Origin: Natural/Native occurrence			Site: 1998-10-06
Presence: Presumed Extant			
Trend: Stable			Record Last Updated: 2000-02-07

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.71173° / -121.87179°	Township: 02S
UTM: Zone-10 N4174430 E599442	Range: 01E
Area: 14.0 acres	Section: 33
Elevation: 360 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POLYGON	

Location: ALONG TASSAJARA ROAD ABOUT 0.7 MILE NORTH OF I-580, NORTH OF PLEASANTON.

Location Detail: ON EAST SIDE OF ROAD OPPOSITE HOSPITAL; ABOUT 0.5 TO 0.8 MILE NORTH OF I-580.

Ecological: ANNUAL GRASSLAND WITH LOLIUM MULTIFLORUM, PICRUS ECHIOIDES, AND CENTAUREA SOLSTITIALIS. SOILS MAPPED AS PESCADERO

Threat: SITE IS GRAZED AND THE MARGINS ARE DISKED, BUT THESE DO NOT APPEAR TO BE THREATS.

General: 4000+ PLANTS OBSERVED IN 1998. COULD NOT ACCESS PROPERTY TO DETERMINE EASTWARD EXTENT OF OCCURRENCE, BUT IS PROBABLY MUCH MORE THAN 10 ACRES.

Owner/Manager: PVT

Occurrence No. 43	Map Index: 42349	EO Index: 42349	Dates Last Seen
Occ Rank: Good			Element: 1998-10-09
Origin: Natural/Native occurrence			Site: 1998-10-09
Presence: Presumed Extant			
Trend: Stable			Record Last Updated: 2000-02-07

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.73278° / -121.87039°	Township: 02S
UTM: Zone-10 N4176767 E599537	Range: 01E
Area: 16.4 acres	Section: 28
Elevation: 470 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: \W
Symbol Type: POLYGON	

Location: ALONG TASSAJARA ROAD ABOUT 2.2 MILES NORTH OF I-580, NORTH OF PLEASANTON.

Location Detail: WEST SIDE OF ROAD AS IT MAKES BEND NORTH OF I-580.

Ecological: ANNUAL GRASSLAND. SOILS MAPPED AS CLEAR LAKE CLAY.

Threat: SITE IS GRAZED, BUT GRAZING DOES NOT APPEAR TO BE A THREAT.

General: 9600 PLANTS OBSERVED IN 1998.

Owner/Manager: PVT

Centromadia parryi ssp. congdonii

Congdon's tarplant

Element Code: PDA4T4R0P1

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G4T3	CNPS List: 1B.2
State: None	State: S3.2	

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND.

Micro: ALKALINE SOILS, SOMETIMES DESCRIBED AS HEAVY WHITE CLAY. 1-230M.

Occurrence No. 44

Map Index: 42350

EO Index: 42350

Dates Last Seen

Occ Rank: Excellent

Element: 1998-10-06

Origin: Natural/Native occurrence

Site: 1998-10-06

Presence: Presumed Extant

Record Last Updated: 2000-02-07

Trend: Stable

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72230° / -121.76010°

Township: 02S

UTM: Zone-10 N4175728 E609271

Range: 02E

Area: 198.9 acres

Mapping Precision: SPECIFIC

Section: 33

Qtr: N

Elevation: 520 ft

Symbol Type: POLYGON

Meridian: M

Location: EAST OF NORTH LIVERMORE ROAD ALONG HARTFORD AVENUE, NORTH OF LIVERMORE.

Location Detail: MAPPED MOSTLY ALONG AND SOUTH OF HARTFORD AVE, UP TO 0.8 MILE EAST OF JUNCTION WITH N. LIVERMORE RD.

Ecological: ANNUAL GRASSLAND WITH LOLIUM MULTIFLORUM, HEMIZONIA PUNGENS, AND BELLARDIA TRIXAGO. SOILS MAPPED AS PESCADERO CLAY.

Threat: FIELDS NORTH OF HARTFORD ARE MOWED.

General: 370,000 PLANTS OBSERVED IN 1998. PLANTS IN THIS POPULATION APPEAR TO BE INTERMEDIATE WITH SSP. RUDIS. PERHAPS THIS IS A ZONE OF HYBRIDIZATION.

Owner/Manager: UNKNOWN

Occurrence No. 80

Map Index: 65073

EO Index: 65152

Dates Last Seen

Occ Rank: Fair

Element: 2005-08-12

Origin: Natural/Native occurrence

Site: 2005-08-12

Presence: Presumed Extant

Record Last Updated: 2006-07-11

Trend: Unknown

Quad Summary: Livermore (3712167/446A), Tassajara (3712177/464D)

County Summary: Alameda

Lat/Long: 37.74989° / -121.79790°

Township: 02S

UTM: Zone-10 N4178745 E605900

Range: 02E

Area: 11.6 acres

Mapping Precision: SPECIFIC

Section: 19

Qtr: NW

Elevation: 670 ft

Symbol Type: POLYGON

Meridian: M

Location: 1.6 AIR MILES WSW OF THE INTERSECTION OF BECK ROAD AND NORTH LIVERMORE AVE, NORTH OF LIVERMORE.

Location Detail: IN THE NE 1/4 OF THE NW 1/4 OF SECTION 19, OFF OF AN ACCESS ROAD OFF OF MANNING ROAD. IN LOW LYING AREAS ADJACENT TO THE CREEK.

Ecological: GRAZED ANNUAL GRASSLAND.

Threat: GRAZING AND DEVELOPMENT.

General: 8 PLANTS OBSERVED IN 2005.

Owner/Manager: PVT

Cordylanthus palmatus

palmete-bracted bird's-beak

Element Code: PDSCR0J0J0

Status

NDDB Element Ranks

Other Lists

Federal: Endangered

Global: G1

CNPS List: 1B.1

State: Endangered

State: S1.1

Habitat Associations

General: CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro: USUALLY ON PESCADERO SILTY CLAY WHICH IS ALKALINE, WITH DISTICHLIS, FRANKENIA, ETC. 5-155M.

Occurrence No. 10

Map Index: 10692

EO Index: 3037

Dates Last Seen

Occ Rank: Good

Element: 2004-09-22

Origin: Natural/Native occurrence

Site: 2004-09-22

Presence: Presumed Extant

Record Last Updated: 2006-08-01

Trend: Increasing

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72246° / -121.73808°

Township: 02S

UTM: Zone-10 N4175771 E611211

Range: 02E

Area: 358.0 acres

Mapping Precision: SPECIFIC

Section: 27

Qtr: S

Elevation: 510 ft

Symbol Type: POLYGON

Meridian: M

Location: SPRINGTOWN WETLANDS RESERVE, APPROX 2.5 MI N OF LIVERMORE, W OF VASCO RD, S OF RAYMOND RD-HARTFORD AVE.

Location Detail: IN THE SOUTH 1/2 OF SECTION 27, THE NORTH 1/2 OF SECTION 34, AND THE EAST 1/2 OF THE NE 1/4 OF SECTION 33.

Ecological: ALONG BRAIDED DRAINAGE CHANNELS ON PESCADERO CLAY & SOLANO LOAM. IODINE BUSH & ALKALI GRASSLAND SUBTYPES OF THE VALLEY SINK SCRUB VEG. TYPE HERE. ASSOC WITH DISTICHLIS, HEMIZONIA, FRANKENIA, ALLENROLFEA & THE RARE C. MOLLIS HISPIDUS.

Threat: GRAZING, OHV USE, AND ALTERED HYDROLOGY.

General: 9000 PLANTS OBSERVED IN 1990, 10,000 IN 1991, 36,000 IN 1992, ~38,600 IN 1993, 52,954 IN 1997, <50,000 IN 2004. OBSERVED IN 2003 BY DIANNE LAKE AND JOHN GAME.

Owner/Manager: PVT, CITY OF LIVERMORE, DFG

Corynorhinus townsendii

Townsend's big-eared bat

Element Code: AMACC08010

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G4T3T4	CDFG Status: SC
State: None	State: S2S3	

Habitat Associations

General: THROUGHOUT CALIFORNIA IN A WIDE VARIETY OF HABITATS. MOST COMMON IN MESIC SITES.

Micro: ROOSTS IN THE OPEN, HANGING FROM WALLS & CEILINGS. ROOSTING SITES LIMITING. EXTREMELY SENSITIVE TO HUMAN DISTURBANCE.

Occurrence No. 141	Map Index: 57865	EO Index: 57881	Dates Last Seen
Occ Rank: Fair			Element: 2007-01-09
Origin: Natural/Native occurrence			Site: 2007-01-09
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2007-03-21

Quad Summary: La Costa Valley (3712157/446D), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.62486° / -121.76038°	Township: 03S
UTM: Zone-10 N4164917 E609388	Range: 02E
Radius: 80 meters	Section: 33
Elevation: 555 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NE
Symbol Type: POINT	

Location: DOS MESAS WINE CAVE, ADJACENT TO THE VETERANS ADMINISTRATION HOSPITAL, 3.5 MILES SOUTH OF LIVERMORE.

Ecological: HABITAT CONSISTS OF A MAN-MADE CAVE, HISTORICALLY USED FOR WINE STORAGE; CURRENTLY, CAVE IS UNUSED AND EQUIPPED WITH A BAT-FRIENDLY GATE. PRESUMABLY, THIS IS A MATERNITY ROOST.

General: 20-30 ADULTS OBSERVED CLUSTERED ON 6 SEP 2004; THIS IS A SIGNIFICANT INCREASE FROM NUMBERS OBSERVED IN THE PAST. 2 ADULTS OBSERVED ON 9 JAN 2007.

Owner/Manager: LIVERMORE AREA RPD

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: ROLLING FOOTHILLS AND VALLEY MARGINS WITH SCATTERED OAKS & RIVER BOTTOMLANDS OR MARSHES NEXT TO DECIDUOUS WOODLAND.
Micro: OPEN GRASSLANDS, MEADOWS, OR MARSHES FOR FORAGING CLOSE TO ISOLATED, DENSE-TOPPED TREES FOR NESTING AND PERCHING.

Occurrence No. 81	Map Index: 56307	EO Index: 56323	Dates Last Seen
Occ Rank: Good			Element: 1992-04-XX
Origin: Natural/Native occurrence			Site: 1992-04-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2004-08-04

Quad Summary: Livermore (3712167/446A), Tassajara (3712177/464D)

County Summary: Contra Costa

Lat/Long: 37.75043° / -121.86923°	Township: 02S
UTM: Zone-10 N4178727 E599615	Range: 01E
Radius: 1/5 mile	Section: 21
Elevation: 600 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: N
Symbol Type: POINT	

Location: TASSAJARA VALLEY, EAST OF TASSAJARA ROAD, 0.6 MILE NORTH THE CONTRA COSTA/ALAMEDA COUNTY LINE.

Location Detail: NEST TREE IS A LIVE OAK NEAR A RESIDENTIAL UNIT.

Ecological: HABITAT CONSISTS OF OAK SAVANNA. SURROUNDING GRASSLANDS ARE GRAZED OR DRY-FARMED.

Threat: POSSIBLE DEVELOPMENT

General: 2 ADULTS OBSERVED TENDING TO NEST DURING EARLY APRIL, 1992.

Owner/Manager: UNKNOWN

Eremophila alpestris actia

California horned lark

Element Code: ABPAT02011

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G5T3	CDFG Status: SC
State: None	State: S3	

Habitat Associations

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

Occurrence No.	Map Index:	EO Index:	Dates Last Seen
26	34882	15659	
Occ Rank: Good			Element: 1992-06-24
Origin: Natural/Native occurrence			Site: 1992-06-24
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1996-09-05

Quad Summary: Livermore (3712167/446A), Tassajara (3712177/464D), Dublin (3712168/446B), Diablo (3712178/464C)

County Summary: Alameda, Contra Costa

Lat/Long: 37.74540° / -121.86893°	Township: 02S
UTM: Zone-10 N4178169 E599649	Range: 01E
Radius: 4/5 mile	Mapping PrecisionNON-SPECIFIC
Elevation: 600 ft	Section: 21
	Meridian: M
	Qtr: XX
	Symbol Type:POINT

Location: EAST OF SAN RAMON; EAST OF TASSAJARA ROAD AND NORTH OF I-580.

Ecological: GRAZED GRASSLAND OF FOOTHILLS.

Threat: POSSIBLE THREAT: GRAZING.

General: SINGING MALES AND 1 PAIR OBSERVED DURING BREEDING SEASON. JUVENILES OBSERVED ELSEWHERE IN TASSAJARA VALLEY.

Owner/Manager: PVT-MOLLER RANCH

Lasiurus cinereus

hoary bat

Element Code: AMACC05030

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

Habitat Associations

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

Occurrence No.	Map Index:	EO Index:	Dates Last Seen
15	68481	68772	
Occ Rank: Unknown			Element: 1941-04-20
Origin: Natural/Native occurrence			Site: 1941-04-20
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2007-03-15

Quad Summary: Mendenhall Springs (3712156/445C), La Costa Valley (3712157/446D), Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.62022° / -121.75491°	Township: 04S
UTM: Zone-10 N4164408 E609878	Range: 02E
Radius: 1 mile	Mapping PrecisionNON-SPECIFIC
Elevation:	Symbol Type:POINT
	Section: 04
	Meridian: M
	Qtr: XX

Location: NW OF LAKE DEL VALLE, VICINITY OF ARROYO RD.

Location Detail:MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTY OF 9456.5053M (5.9 MI).

General: 1 MALE SPECIMEN (MVZ #109905) COLLECTED AT "5MI S OF LIVERMORE, MCCOY'S RANCH" BY CHARLES G. SIBLEY ON 20 APR 1941.

Owner/Manager: UNKNOWN

Linderiella occidentalis

California linderiella

Element Code: ICBRA06010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G3

CDFG Status:

State: None

State: S2S3

Habitat Associations

General: SEASONAL POOLS IN UNPLOWED GRASSLANDS WITH OLD ALLUVIAL SOILS UNDERLAIN BY HARDPAN OR IN SANDSTONE DEPRESSIONS.

Micro: WATER IN THE POOLS HAS VERY LOW ALKALINITY, CONDUCTIVITY, AND TDS.

Occurrence No. 155

Map Index: 38907

EO Index: 33914

Dates Last Seen

Occ Rank: Good

Element: 1996-03-27

Origin: Natural/Native occurrence

Site: 1996-03-27

Presence: Presumed Extant

Record Last Updated: 2002-11-05

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.71027° / -121.79050°

Township: 02S

UTM: Zone-10 N4174358 E606609

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 31

Qtr: SE

Elevation: 530 ft

Symbol Type:POINT

Meridian: M

Location: 1.1 MILES NE OF JUNC I-580 & N LIVERMORE AVE & 1.7 MILES NE OF LIVERMORE MUNICIPAL AIRPORT, 0.7 MILES S OF HARTMAN RD.

Ecological: VERNAL POOL. CONCHOSTRACANS, OSTRACODS, CLADOCERANS, COPEPODS, NOTONECTIDS, CORIXIDS, DYTISCID BEETLES, BRYOZOANS & TIGER SALAMANDERS ALSO FOUND HERE. SURROUNDING LAND IS HEAVILY DISKED.

Threat: GRAZING, DISKING.

General: 100'S OBSERVED 27 MARCH 1996.

Owner/Manager: PVT

Occurrence No. 188

Map Index: 46239

EO Index: 46240

Dates Last Seen

Occ Rank: Good

Element: 2001-03-22

Origin: Natural/Native occurrence

Site: 2001-04-05

Presence: Presumed Extant

Record Last Updated: 2001-10-24

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.62829° / -121.84278°

Township: 03S

UTM: Zone-10 N4165203 E602113

Range: 01E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 34

Qtr: XX

Elevation: 920 ft

Symbol Type:POINT

Meridian: M

Location: 2.5 MILES SE OF PLEASANTON

Ecological: HABITAT CONSISTS OF A VERNAL POOL IN ROLLING HILLS/GRAZED ANNUAL GRASSLAND. CALIFORNIA TIGER SALAMANDER FOUND AT THIS SITE IN 2000, BUT NOT IN 2001.

Threat: THREATENED BY OVER-GRAZING.

General: 100'S OF INDIVIDUALS WERE OBSERVED ON 22 MAR 2001; BY 5 APR 2001, THERE WAS NO STANDING WATER.

Owner/Manager: PVT-GENERAL ELECTRIC

Plagiobothrys glaber

hairless popcorn-flower

Element Code: PDBOR0V0B0

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: GH	CNPS List: 1A
State: None	State: SH	

Habitat Associations

General: MEADOWS AND SEEPS, MARSHES AND SWAMPS.

Micro: COASTAL SALT MARSHES AND ALKALINE MEADOWS. 5-180M.

Occurrence No. 5	Map Index: 28362	EO Index: 22577	Dates Last Seen
Occ Rank: Unknown			Element: 1942-05-03
Origin: Natural/Native occurrence			Site: 1942-05-03
Presence: Possibly Extirpated			
Trend: Unknown			Record Last Updated: 1996-10-09

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.69031° / -121.74423°	Township: 03S
UTM: Zone-10 N4172197 E610717	Range: 02E
Radius: 1 mile	Section: 10
Elevation: 520 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: IN FIELD NEAR HIGHWAY 50 (NOW I-580?), 2 MILES EAST OF LIVERMORE STATION.

Location Detail: MAPPED AT EAST EDGE OF PRESENT DAY LIVERMORE, JUST SOUTH OF I-580 AT LIVERMORE BLVD.

Ecological: GROWING IN "HOG-WALLOW" IN FIELD.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1942 COLLECTION BY BACIGALUPI.

Owner/Manager: UNKNOWN

Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G4T2T3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations

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

Occurrence No. 221

Map Index: 36451

EO Index: 31448

Dates Last Seen

Occ Rank: Good

Element: 2006-07-11

Origin: Natural/Native occurrence

Site: 2006-07-11

Presence: Presumed Extant

Record Last Updated: 2006-11-01

Trend: Unknown

Quad Summary: Livermore (3712167/446A), Tassajara (3712177/464D)

County Summary: Contra Costa

Lat/Long: 37.74966° / -121.85362°

Township: 02S

UTM: Zone-10 N4178658 E600991

Range: 01E

Radius: 1/5 mile

Mapping Precision: NON-SPECIFIC

Section: 22

Qtr: NW

Elevation: 570 ft

Symbol Type: POINT

Meridian: M

Location: 0.9 MILE EAST OF TASSAJARA ROAD, NORTH OF THE CONTRA COSTA/ALAMEDA COUNTY LINE, SAN RAMON.

Location Detail: 1992 OBSERVATION WAS IN A SMALL SPRING IMPOUNDMENT IN FOOTHILL GRASSLAND. 2006 OBSERVATION WAS IN A SEASONAL DRAINAGE THAT IS PART OF A WETLAND MITIGATION SITE.

Ecological: HABITAT SURROUNDING THE WATER FEATURES CONSISTS OF GRAZED (BY CATTLE) ANNUAL GRASSLAND.

Threat: THREATENED BY GRAZING AND VEHICULAR TRAFFIC.

General: 4 ADULTS AND 4 LARVA OBSERVED ON 30 APR 1992. 1 OBSERVED IN A SEASONAL DRAINAGE ON 11 JUL 2006.

Owner/Manager: PVT

Occurrence No. 222

Map Index: 34681

EO Index: 31453

Dates Last Seen

Occ Rank: Good

Element: 1992-05-20

Origin: Natural/Native occurrence

Site: 1992-05-20

Presence: Presumed Extant

Record Last Updated: 1997-08-18

Trend: Unknown

Quad Summary: Dublin (3712168/446B), Livermore (3712167/446A), Tassajara (3712177/464D)

County Summary: Contra Costa

Lat/Long: 37.74643° / -121.87509°

Township: 02S

UTM: Zone-10 N4178277 E599104

Range: 01E

Area:

Mapping Precision: NON-SPECIFIC

Section: 21

Qtr: XX

Elevation: 470 ft

Symbol Type: POLYGON

Meridian: M

Location: TASSAJARA CREEK, APPROX. 0.5 MILE NORTH OF ALAMEDA/CONTRA COSTA CO LINE & 0.15 MILE EAST OF TASSAJARA ROAD, SAN RAMON.

Location Detail: GLIDES, POOLS AND IMPOUNDMENTS IN CHANNEL, APPROX. 0.75 MILE OF CREEK WITH PAUCITY OF RIPARIAN TREES; GRAZED MARGINS.

Ecological: PATCHES OF WILLOW & BLACKBERRY OCCUR ON BANKS. TYPHA, DUCKWEED & ELODEA WETLAND PLANTS.

Threat: GRAZING.

General: 7 ADULTS AND MANY (INFINITY SYMBOL ON SURVEY FORM) JUVENILES OBSERVED. STICKLEBACK, HYLA, BUFO AND CLEMMYS PRESENT. SITE QUALITY RATED AS GOOD TO FAIR.

Owner/Manager: PVT

Occurrence No. 227

Map Index: 36677

EO Index: 31678

Dates Last Seen

Occ Rank: Good

Element: 1997-08-08

Origin: Natural/Native occurrence

Site: 1997-08-08

Presence: Presumed Extant

Record Last Updated: 1999-12-09

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.69702° / -121.82585°

Township: 03S

UTM: Zone-10 N4172848 E603511

Range: 01E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 02

Qtr: XX

Elevation: 375 ft

Symbol Type: POINT

Meridian: M

Location: ARROYO LAS POSITAS, SOUTH OF I-580, BETWEEN LAS POSITAS GOLF COURSE AND THE WEST END OF LIVERMORE MUNICIPAL AIRPORT.

Ecological: HABITAT CONSISTS OF A STREAM FLOWING AT 1-2 CFS, WITH A SANDY/COBBLY BOTTOM, VARYING IN WIDTH BETWEEN 5-12 FEET (4-24 INCHES DEEP). EMERGENT VEGETATION CONSISTS OF DENSE SCIRPUS CALIFORNICUS AND POLYGONUM SP, WITH NON-NATIVE GRASSES ON BANK

Threat: ARROYO IS CHANNELIZED AND CLEARED OF VEGETATION 0.5 MILE DOWNSTREAM; GOLF COURSE RUNOFF MAY DEGRADE WATER QUALITY.

General: A SINGLE ADULT FROG WAS FOUND IN A SMALL POOL ON 8 AUGUST 1997.

Owner/Manager: PVT

Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status	NDDB Element Ranks	Other Lists
Federal: Threatened State: None	Global: G4T2T3 State: S2S3	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. 229	Map Index: 37736	EO Index: 32743	Dates Last Seen
Occ Rank: Fair			Element: 1999-03-27
Origin: Natural/Native occurrence			Site: 1999-03-27
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2002-09-04

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.70732° / -121.77879°	Township: 03S
UTM: Zone-10 N4174044 E607645	Range: 02E
Area: 104.7 acres	Section: 05
Elevation: 450 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POLYGON	

Location: ALONG CAYETANO CREEK, FROM ARROYO POSITAS UPSTREAM TO 0.6 MILE SOUTH OF HARTMAN ROAD, NORTH OF LIVERMORE.

Location Detail: CREEK FLOWS THROUGH URBAN AND RURAL AREAS.

Ecological: CREEK FLOWING THROUGH AN ERODED, SANDY CHANNEL WITH LOTS OF SILT. SURROUNDED BY URBAN AREAS AND BY OPEN, GRAZED GRASSLANDS WITH A FEW SCATTERED COAST LIVE OAKS. CLUMPS OF WILLOW AND CATTAILS FOUND AT A FEW ISOLATED AREAS ALONG THE CREEK.

Threat: THREATS INCLUDE GRAZING, NON-NATIVE PREDATORS (BULLFROGS, MOSQUITOFISH, CRAYFISH), AND DEVELOPMENT.

General: 1 JUVENILE FROG COLLECTED (MRJ #1329) ON 15 NOV 1997 AND DEPOSITED AT CAS (CAS #203690). 1 SUBADULT OBSERVED ON 24 MAY 1998. 1 ADULT COLLECTED (MRJ #1457) ON 25 MAR 1999 AND DEPOSITED AT CAS. 27 EGG MASSES OBSERVED ON 26-27 MAR 1999.

Owner/Manager: PVT

Occurrence No. 251	Map Index: 38733	EO Index: 33740	Dates Last Seen
Occ Rank: Fair			Element: 1999-12-02
Origin: Natural/Native occurrence			Site: 1999-12-02
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2000-09-20

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.73228° / -121.85501°	Township: 02S
UTM: Zone-10 N4176728 E600893	Range: 01E
Area: 19.2 acres	Section: 27
Elevation: 600 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: \W
Symbol Type: POLYGON	

Location: UNNAMED TRIBUTARY TO TASSAJARA CREEK, 0.8 MILE EAST OF TASSAJARA ROAD AND 2 MILES NORTH OF HWY 580, NE OF DUBLIN.

Location Detail: FROGS WERE FOUND IN A SMALL (6-FT X 4-FT) POOL THAT WAS ABOUT 3.5-FT DEEP (1998), AND UPSTREAM IN PLUNGE POOL DOWNSTREAM OF STOCK POND (1999)

Ecological: HABITAT CONSISTS OF A SMALL PERENNIAL STREAM IN OPEN, HEAVILY-GRAZED GRASSLAND.

Threat: THREATS INCLUDE HEAVY GRAZING BY CATTLE, STREAM EROSION, AND PROPOSED DEVELOPMENT.

General: 2 JUVENILE FROGS OBSERVED ON 19 APR 1998. 2 ADULTS AND 2 JUVENILES OBSERVED ON 2 DEC 1999.

Owner/Manager: PVT

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. 278

Map Index: 40557

EO Index: 35564

Dates Last Seen

Occ Rank: Good

Element: 2006-03-07

Origin: Natural/Native occurrence

Site: 2006-03-07

Presence: Presumed Extant

Record Last Updated: 2006-11-02

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Contra Costa, Alameda

Lat/Long: 37.74292° / -121.85891°

Township: 02S

UTM: Zone-10 N4177905 E600534

Range: 01E

Area: 19.0 acres

Mapping Precision: SPECIFIC

Section: 22

Qtr: SE

Elevation: 520 ft

Symbol Type: POLYGON

Meridian: M

Location: UNNAMED EASTERN TRIBUTARY OF TASSAJARA CREEK, STRADDLING THE ALAMEDA/CONTRA COSTA COUNTY LINE, NORTH OF

Ecological: HABITAT CONSISTS OF A DEEPLY-INCISED STREAM FLOWING THROUGH OPEN, GRAZED GRASSLANDS. OTHER RARE TAXA FOUND IN THE VICINITY OF THIS SITE: WESTERN POND TURTLE.

Threat: POSSIBLE THREAT OF DEVELOPMENT, AS DUBLIN EXPANDS INTO THIS AREA.

General: 5+ ADULTS & 75+ SUBADULTS OBS ON 4 JUN 1998; 1 SUBADULT COLLECTED (MRJ 1380) & DEPOSITED AT CAS. CAS #207119. SVL = 75MM, WEIGHT = 40.0GM. ADULT FEMALE FROM A MAN-MADE BASIN AT A PG&E SUBSTATION ON MOLLER RD WAS RELOCATED HERE ON 7 MAR 2006

Owner/Manager: PVT

Occurrence No. 279

Map Index: 40558

EO Index: 35565

Dates Last Seen

Occ Rank: Fair

Element: 2001-07-24

Origin: Natural/Native occurrence

Site: 2001-07-24

Presence: Presumed Extant

Record Last Updated: 2003-11-06

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.70744° / -121.85088°

Township: 03S

UTM: Zone-10 N4173977 E601290

Range: 01E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 03

Qtr: XX

Elevation: 365 ft

Symbol Type: POINT

Meridian: M

Location: WEST SIDE OF FALLON ROAD, 0.4 MILE NORTH OF I-580, BETWEEN LIVERMORE AND PLEASANTON

Ecological: HABITAT CONSISTS OF A POND AND STREAM CREATED BY DAMMING UPSTREAM; CATTAILS ARE FOUND IN THE CENTER OF THE POND, WITH WILLOWS BOTH UPSTREAM AND DOWNSTREAM. SURROUNDING AREA CONSISTS OF OPEN, GRAZED GRASSLAND.

Threat: THREATENED BY PRESENCE OF MOSQUITOFISH AND BY DEVELOPMENT.

General: 5 JUVENILES OBSERVED ON 7 NOV 1998. 5 JUVENILES OBSERVED ON 24 JUL 2001.

Owner/Manager: PVT

Occurrence No. 281

Map Index: 40560

EO Index: 35567

Dates Last Seen

Occ Rank: Poor

Element: 2000-06-02

Origin: Natural/Native occurrence

Site: 2000-06-02

Presence: Presumed Extant

Record Last Updated: 2000-02-01

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.70880° / -121.80454°

Township: 03S

UTM: Zone-10 N4174179 E605373

Range: 02E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 06

Qtr: VW

Elevation: 438 ft

Symbol Type: POINT

Meridian: M

Location: COLLIER CREEK, AT THE ENTRANCE TO LAS POSITAS COLLEGE, NORTH SIDE OF LIVERMORE.

Location Detail: 25 FROGS WERE MOVED TO A POND ON PLEASANTON RIDGE; 1 FROG WAS LEFT UNDER THE CULVERT AT THE ENTRANCE TO LAS POSITAS COLLEGE.

Ecological: HABITAT CONSISTS OF AN INTERMITTENT STREAM CHANNEL, CROSSED BY THE BRIDGE TO THE COLLEGE. SURROUNDING AREA CONSISTS OF A MIX OF LIVESTOCK GRAZING AND URBAN (COLLEGE).

Threat: THREATENED BY STREAM CHANNELIZATION AND DEVELOPMENT.

General: 6 JUVENILES OBSERVED ON 12 JUL 1998. 2 ADULTS, 9 JUVENILES, AND 15 LARVAE WERE OBSERVED ON 2 JUN 2000.

Owner/Manager: PVT

Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G4T2T3

CDFG Status: SC

State: None

State: S2S3

Habitat Associations

General: LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.

Micro: REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

Occurrence No. 297

Map Index: 26023

EO Index: 41047

Dates Last Seen

Occ Rank: Good

Element: 1997-01-23

Origin: Natural/Native occurrence

Site: 1997-01-23

Presence: Presumed Extant

Record Last Updated: 1999-05-13

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.71919° / -121.76232°

Township: 02S

UTM: Zone-10 N4175380 E609080

Range: 02E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 33

Qtr: XX

Elevation: 460 ft

Symbol Type:POLYGON

Meridian: M

Location: WEST OF LORRAINE STREET AND NORTH OF I-580, LIVERMORE.

Ecological: HABITAT CONSISTS OF NON-NATIVE ANNUAL GRASSLAND, INTERSPERSED WITH SEASONAL WETLANDS.

Threat: THREATENED BY PROPOSED DEVELOPMENT.

General: 5 JUVENILES OBSERVED BETWEEN 21 DEC 1996 AND 23 JAN 1997; MOST LIKELY DISPERSING JUVENILES FROM ALTAMONT CREEK.

Owner/Manager: PVT

Occurrence No. 431

Map Index: 45302

EO Index: 45302

Dates Last Seen

Occ Rank: Good

Element: 2005-09-21

Origin: Natural/Native occurrence

Site: 2005-09-21

Presence: Presumed Extant

Record Last Updated: 2006-03-20

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.73078° / -121.87214°

Township: 02S

UTM: Zone-10 N4176544 E599385

Range: 01E

Area: 119.7 acres

Mapping PrecisionSPECIFIC

Section: 28

Qtr: XX

Elevation: 450 ft

Symbol Type:POLYGON

Meridian: M

Location: TASSAJARA CREEK AND MOLLER RANCH DRAINAGE, APPROXIMATELY 2 MILES NORTH OF I-580, NORTH OF PLEASANTON

Location Detail: 2000 SURVEY CONDUCTED OVER 4 DIFFERENT DAYS: 28 JUL, 11 AUG, 16 AUG, AND 24 AUG.

Ecological: HABITAT CONSISTS OF RIPARIAN/RIVERINE, CONSISTING OF POOLS WITHIN TASSAJARA CREEK AND MOLLER CREEK DRAINAGE. WESTERN POND TURTLE ALSO OBSERVED IN THE VICINITY.

Threat: THREATENED BY TRAMPLING ASSOCIATED WITH CATTLE GRAZING, ILLEGAL FILLING OF WETLANDS, GRADING, AND DEVELOPMENT.

General: 4 ADS, 13 SUB-ADS, AND MANY TADPOLES OBSERVED IN 2000. 8 ADS & 20+ TADPOLES OBSERVED UPSTREAM IN THE MOLLER RANCH DRAINAGE, 16 AUG 2000. 1 EGG MASS OBSERVED, FEB 2002. 3 ADS OBSERVED, MAR 2004. 19 ADS OBSERVED, 9 AUG-21 SEP 2005.

Owner/Manager: PVT

Occurrence No. 432

Map Index: 38736

EO Index: 45303

Dates Last Seen

Occ Rank: Fair

Element: 2000-02-04

Origin: Natural/Native occurrence

Site: 2000-02-04

Presence: Presumed Extant

Record Last Updated: 2001-05-02

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.70972° / -121.85547°

Township: 02S

UTM: Zone-10 N4174225 E600883

Range: 01E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 34

Qtr: SW

Elevation: 380 ft

Symbol Type:POINT

Meridian: M

Location: 0.6 MILE NW OF THE JUNCTION OF FALLON ROAD AND I-580, EAST OF DUBLIN.

Ecological: HABITAT CONSISTS OF A STOCK POND, SURROUNDED BY OPEN, ROLLINGS HILLS OF GRAZED GRASSLAND; SPRING BOX UPSTREAM FROM A LONE, LARGE WILLOW TREE.

Threat: THREATENED BY DEVELOPMENT AND EROSION OF EARTHEN DAM; DAM CUT THROUGH SO POND DRIES A COUPLE OF WEEKS AFTER RAINS STOP.

General: THE CARCASS OF A CRLF WAS FOUND IN THE SPRING CISTERN BOX ON 4 FEB 2000.

Owner/Manager: PVT

Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G4T2T3

CDFG Status: SC

State: None

State: S2S3

Habitat Associations

General: LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.

Micro: REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

Occurrence No. 445

Map Index: 45621

EO Index: 45621

Dates Last Seen

Occ Rank: Excellent

Element: 1997-01-23

Origin: Natural/Native occurrence

Site: 1997-01-23

Presence: Presumed Extant

Record Last Updated: 2001-08-21

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.71091° / -121.75391°

Township: 02S

UTM: Zone-10 N4174471 E609834

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 33

Qtr: SE

Elevation: 490 ft

Symbol Type:POINT

Meridian: M

Location: ARROYO LAS POSITAS, 0.6 MILE NORTH OF I-580 AND 0.9 MILE EAST OF NORTH LIVERMORE AVENUE, LIVERMORE

Ecological: HABITAT CONSISTS OF A PERENNIAL CREEK WITH HIGHLY ERODED BANKS; SURROUNDED BY GRAZED GRASSLANDS. VEGETATED BY SOME TYPHA.

Threat: THREATENED BY PROPOSED DEVELOPMENT.

General: >10 ADULTS AND >10 JUVENILES OBSERVED ON 23 JAN 1997.

Owner/Manager: PVT

Occurrence No. 449

Map Index: 45705

EO Index: 45705

Dates Last Seen

Occ Rank: Unknown

Element: 1996-07-10

Origin: Natural/Native occurrence

Site: 1996-07-10

Presence: Presumed Extant

Record Last Updated: 2001-10-09

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.63668° / -121.79648°

Township: 03S

UTM: Zone-10 N4166186 E606187

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 30

Qtr: XX

Elevation: 500 ft

Symbol Type:POINT

Meridian: M

Location: SOUTH OF LIVERMORE. DATJEN POND. 0.7 MILES SW INTERSECTION OF EAST VINYARD AVE & HWY 84; 25 METERS SOUTH HWY 84.

Threat: PRESENCE OF BULLFROGS.

General: CAS# 204241; JUVENILE, SVL 30 MM, 3.0 GM. TAKEN FROM STOMACH OF RANA CATESBEIANA.

Owner/Manager: UNKNOWN

Occurrence No. 558

Map Index: 38737

EO Index: 48728

Dates Last Seen

Occ Rank: Fair

Element: 2001-07-24

Origin: Natural/Native occurrence

Site: 2001-07-24

Presence: Presumed Extant

Record Last Updated: 2003-11-06

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.71237° / -121.86550°

Township: 02S

UTM: Zone-10 N4174508 E599995

Range: 01E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 33

Qtr: SE

Elevation: 380 ft

Symbol Type:POINT

Meridian: M

Location: 0.8 MILE NNE OF THE INTERSECTION OF I-580 AND TASSAJARA ROAD, EAST OF DUBLIN

Ecological: HABITAT CONSISTS OF A STOCK POND SURROUNDED BY OPEN, ROLLING HILLS OF GRAZED GRASSLAND.

Threat: THREATENED BY PROPOSED DEVELOPMENT AND EROSION OF THE EARTHEN DAM.

General: 1 ADULT OBSERVED ON 9 JUL 1999. 4 JUVENILES OBSERVED ON 24 JUL 2001.

Owner/Manager: PVT

Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G4T2T3

CDFG Status: SC

State: None

State: S2S3

Habitat Associations

General: LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.

Micro: REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

Occurrence No. 608

Map Index: 50039

EO Index: 50039

Dates Last Seen

Occ Rank: Fair

Element: 2001-03-16

Origin: Natural/Native occurrence

Site: 2001-03-16

Presence: Presumed Extant

Record Last Updated: 2005-06-20

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72222° / -121.84632°

Township: 02S

UTM: Zone-10 N4175622 E601672

Range: 01E

Area: 30.9 acres

Mapping Precision: SPECIFIC

Section: 34

Qtr: NE

Elevation: 520 ft

Symbol Type: POLYGON

Meridian: M

Location: TRIBUTARY TO FALLON CREEK, 1.3 MILES NORTH OF I-580, NW OF LIVERMORE

Ecological: HABITAT CONSISTS OF AN EPHEMERAL TRIBUTARY. SURROUNDING AREA IS GRAZED AND IN BARLEY PRODUCTION.

Threat: THREATENED BY RANCH MANAGEMENT PRACTICES, GRAZING, AND PROPOSED DEVELOPMENT.

General: 3 FROGS OBSERVED ON 16 MAR 2001. 7 OBSERVATIONS WITHIN THIS DRAINAGE DURING 2003.

Owner/Manager: PVT

Occurrence No. 661

Map Index: 52091

EO Index: 52091

Dates Last Seen

Occ Rank: Unknown

Element: 2003-06-13

Origin: Natural/Native occurrence

Site: 2003-06-13

Presence: Presumed Extant

Record Last Updated: 2003-08-12

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.62845° / -121.78780°

Township: 03S

UTM: Zone-10 N4165283 E606964

Range: 02E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 31

Qtr: XX

Elevation: 600 ft

Symbol Type: POINT

Meridian: M

Location: UNNAMED CREEK, 1.6 MILES SW OF THE INTERSECTION OF ARROYO ROAD AND WETMORE ROAD, 3 MILES SOUTH OF LIVERMORE

Ecological: HABITAT CONSISTS OF A POOL IN A LIKELY-INTERMITTENT STREAM; POOL WAS 10' IN DIAMETER & 2' DEEP. TYPHA LATIFOLIA PRESENT IN POOL, & RIPARIAN CANOPY CONSISTS OF QUERCUS AGRIFOLIA, Q. LOBATA, & SALIX SP; SURROUNDED BY NON-NATIVE GRASSLAND.

General: 6 LARVAE OBSERVED ON 13 JUN 2003.

Owner/Manager: PVT

Occurrence No. 737

Map Index: 54464

EO Index: 54464

Dates Last Seen

Occ Rank: Good

Element: 2005-10-06

Origin: Natural/Native occurrence

Site: 2005-10-06

Presence: Presumed Extant

Record Last Updated: 2006-02-21

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.62795° / -121.78132°

Township: 03S

UTM: Zone-10 N4165235 E607537

Range: 02E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 32

Qtr: XX

Elevation: 645 ft

Symbol Type: POINT

Meridian: M

Location: 0.9 MILE WEST OF THE VETERANS HOSPITAL, SOUTH OF LIVERMORE

Ecological: HABITAT CONSISTS OF A SMALL STOCKPOND CREATED BY DAMMING THE DRAINAGE DECADES AGO; HEAVILY-DOMINATED BY NARROW-LEAF CATTAIL (TYPHA ANGUSTIFOLIA).

Threat: THREATENED BY NON-NATIVE SPECIES (BULLFROGS AND SUNFISH).

General: 2 ADULTS OBSERVED, 25 SEP-9 NOV 2003, DURING BULLFROG MANAGEMENT EFFORTS. 2-3 ADULTS OBSERVED ON 6 OCT 2005, DURING BULLFROG MANAGEMENT EFFORTS.

Owner/Manager: LIVERMORE AREA RPD

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. 770

Map Index: 58150

EO Index: 58186

Dates Last Seen

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

Element: 2003-02-10
Site: 2003-02-10

Record Last Updated: 2004-11-18

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.62681° / -121.80933°
UTM: Zone-10 N4165077 E605066
Radius: 80 meters
Elevation: 690 ft

Mapping Precision: SPECIFIC
Symbol Type: POINT

Township: 03S
Range: 01E
Section: 36
Meridian: M
Qtr: XX

Location: 0.1 MILE NW OF HIGHWAY 84, JUST SOUTH OF THE RUBY HILLS SUBDIVISION, 4 MILES SE OF PLEASANTON

Ecological: HABITAT CONSISTS OF A SEMI-PERMANENT STOCK POND (~20 METERS IN DIAMETER); SURROUNDING GRAZED GRASSLANDS SUPPORT NUMEROUS CALIFORNIA GROUND SQUIRRELS. CTS ALSO FOUND AT THIS SITE IN 2003.

General: 3 EGG MASSES OBSERVED ON 10 FEB 2003 AND AGAIN ON 24 FEB 2003; 1 ADULT OBSERVED ON 24 FEB 2003.

Owner/Manager: PVT

Occurrence No. 778

Map Index: 58570

EO Index: 58606

Dates Last Seen

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

Element: 2003-07-25
Site: 2003-07-25

Record Last Updated: 2004-12-13

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.70502° / -121.86527°
UTM: Zone-10 N4173693 E600025
Radius: 1/5 mile
Elevation: 350 ft

Mapping Precision: NON-SPECIFIC
Symbol Type: POINT

Township: 03S
Range: 01E
Section: 04
Meridian: M
Qtr: XX

Location: SOUTH OF CENTRAL PARKWAY AND NORTH OF I-580, DUBLIN

General: 1 TADPOLE COLLECTED (CAS 228201) ON 25 JUL 2003.

Owner/Manager: UNKNOWN

Occurrence No. 859

Map Index: 63732

EO Index: 63827

Dates Last Seen

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

Element: 2001-XX-XX
Site: 2001-XX-XX

Record Last Updated: 2006-01-23

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72141° / -121.84013°
UTM: Zone-10 N4175539 E602218
Radius: 80 meters
Elevation: 630 ft

Mapping Precision: SPECIFIC
Symbol Type: POINT

Township: 02S
Range: 01E
Section: 35
Meridian: M
Qtr: VW

Location: 0.2 MILE NORTH OF THE END OF CROAK ROAD, 1.4 MILES NORTH OF I-580, NW OF LIVERMORE

Ecological: HABITAT CONSISTS OF A SPRING AT THE HEAD OF AN UNNAMED DRAINAGE; SURROUNDED BY NON-NATIVE GRASSLAND.

Threat: THREATENED BY DEVELOPMENT.

General: UNKNOWN NUMBER/LIFESTAGE OBSERVED DURING 2001.

Owner/Manager: PVT

Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

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

Habitat Associations

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

Occurrence No.	Map Index:	EO Index:	Dates Last Seen
860	63733	63828	
Occ Rank: Unknown			Element: 2003-XX-XX
Origin: Natural/Native occurrence			Site: 2001-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2006-01-23

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.70496° / -121.84037°	Township: 03S
UTM: Zone-10 N4173713 E602219	Range: 01E
Radius: 80 meters	Section: 02
Elevation: 415 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: EAST SIDE OF CROAK ROAD, ~0.25 MILE NORTH OF I-580, NW OF LIVERMORE

Ecological: HABITAT CONSISTS OF A SPRING AT THE HEAD OF AN UNNAMED DRAINAGE; SURROUNDED BY NON-NATIVE GRASSLAND.

Threat: THREATENED BY DEVELOPMENT.

General: UNKNOWN NUMBER/LIFESTAGE OBSERVED DURING 2002.

Owner/Manager: PVT

Sycamore Alluvial Woodland

Element Code: CTT62100CA

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

_____ Habitat Associations _____
General:
Micro:

Occurrence No. 7

Map Index: 20538

EO Index: 8237

_____ Dates Last Seen _____

Occ Rank: Fair

Element: 1991-02-04

Origin: Natural/Native occurrence

Site: 1991-02-24

Presence: Presumed Extant

Record Last Updated: 1998-07-21

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.64264° / -121.77976°

Township: 03S

UTM: Zone-10 N4166866 E607653

Range: 02E

Area: 211.2 acres

Mapping Precision: SPECIFIC

Section: 29

Qtr: XX

Elevation: 500 ft

Symbol Type: POLYGON

Meridian: M

Location: ARROYO VALLE, EXTENDING FROM ARROYO ROAD NEAR THE VETERANS ADMIN HOSPITAL TO THE INTERSECTION OF ALDEN LN & ISABEL AVE.

Location Detail: COMMUNITY IS CONFINED TO THE ARROYO FLOOR IN AN AREA OF ALLUVIAL TERRACES, WASHES, PONDS, CHANNELS AND FLATS.

Ecological: THE DOMINANT TREE IS PLATANUS RACEMOSA WITH INDIVIDUAL QUERCUS SPP., PINUS SPP., SALIX SPP., DOTTING THE LANDSCAPE. LATE SUCCESSIONAL STATUS FOR PLATANUS RACEMOSA AND QUERCUS LOBATA. RIVERINE SEDIMENTS SW, ASPECT 1-10% SLOPE.

Threat: EVIDENCE OF GRAZING, WATER DIVERSION, GRAVEL MINING, OFF-ROAD VEHICLE USE.

General: LITTLE OR NO REGENERATION IN OAKS AND SYCAMORES. 1991 GENERALIZED GRAPHIC REVISED IN 1992 USING 1970 ORTHOPHOTOQUAD. THIS WAS OCC #007 OF CTT62100CA.

Owner/Manager: CITY OF LIVERMORE

Taxidea taxus

American badger

Element Code: AMAJF04010

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

Habitat Associations

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

Occurrence No. 240	Map Index: 57136	EO Index: 57152	Dates Last Seen
Occ Rank: Unknown			Element: 1992-XX-XX
Origin: Natural/Native occurrence			Site: 1992-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2004-09-30

Quad Summary: Livermore (3712167/446A), Tassajara (3712177/464D)

County Summary: Contra Costa

Lat/Long: 37.75188° / -121.85650°	Township: 02S
UTM: Zone-10 N4178902 E600734	Range: 01E
Radius: 1/5 mile	Section: 22
Elevation: 800 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: 1.7 MILES S THE JUNCTION OF TASSAJARA ROAD AND HIGHLAND ROAD, APPROX 6 MILES NORTH OF PLEASANTON.

Location Detail: EAST SIDE OF HILL, 0.8 MILES EAST OF TASSAJARA ROAD..

General: BADGER SIGN.

Owner/Manager: UNKNOWN

Occurrence No. 349	Map Index: 65712	EO Index: 65791	Dates Last Seen
Occ Rank: Good			Element: 2004-06-22
Origin: Natural/Native occurrence			Site: 2004-06-22
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2006-08-08

Quad Summary: Livermore (3712167/446A), Dublin (3712168/446B)

County Summary: Alameda

Lat/Long: 37.73077° / -121.87638°	Township: 02S
UTM: Zone-10 N4176538 E599011	Range: 01E
Radius: 80 meters	Section: 28
Elevation: 560 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POINT	

Location: ON EAST EDGE OF U.S. ARMY TRAINING BASE; 2.6 MILES EAST OF SAN RAMON; 5.0 MILES NW OF LIVERMORE.

Ecological: HABITAT CONSISTS OF GRASSLAND WITH MOSTLY CLAY SOIL WITH A FEW RIPARIAN DRAINAGES.

General: 1 ADULT OBSERVED NEAR A BURROW ON 22 JUN 2004; 1 FEMALE WITH 2 JUVENILES WAS SEEN NEAR THIS AREA IN THE SPRING OF 2004.

Owner/Manager: US ARMY

Trifolium depauperatum var. hydrophilum

saline clover

Element Code: PDFAB400R5

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G5T2?

CNPS List: 1B.2

State: None

State: S2.2?

Habitat Associations

General: MARSHES AND SWAMPS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro: MESIC, ALKALINE SITES. 0-300M.

Occurrence No. 6

Map Index: 49391

EO Index: 49391

Dates Last Seen

Occ Rank: Unknown

Element: XXXX-XX-XX

Origin: Natural/Native occurrence

Site: XXXX-XX-XX

Presence: Presumed Extant

Record Last Updated: 2002-11-14

Trend: Unknown

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.68150° / -121.76696°

Township: 03S

UTM: Zone-10 N4171193 E608726

Range: 02E

Radius: 1 mile

Mapping PrecisionNON-SPECIFIC

Section: 09

Qtr: XX

Elevation:

Symbol Type:POINT

Meridian: M

Location: LIVERMORE.

Location Detail:LOCATION INFORMATION IS VAGUE.

General: ONLY SOURCE OF INFORMATION IS REFERENCE BY D. LAKE TO B. ERTTER SIGHTING. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Occurrence No. 7

Map Index: 49392

EO Index: 49392

Dates Last Seen

Occ Rank: None

Element: 2002-05-20

Origin: Natural/Native occurrence

Site: 2002-05-20

Presence: Extirpated

Record Last Updated: 2007-03-30

Trend: Unknown

Quad Summary: Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.70301° / -121.86146°

Township: 03S

UTM: Zone-10 N4173474 E600364

Range: 01E

Area: 114.7 acres

Mapping PrecisionSPECIFIC

Section: 04

Qtr: E

Elevation: 350 ft

Symbol Type:POLYGON

Meridian: M

Location: EAST OF TASSAJARA ROAD, NORTH OF HIGHWAY 580, SOUTH OF DUBLIN AVENUE, DUBLIN.

Location Detail:MAPPED ALONG NORTH SIDE HWY 580 BETWEEN FALLON ROAD AND TASSAJARA ROAD AS PER MAP PROVIDED IN SOURCES.

Ecological: FOUND IN MOIST SOIL WITH DOWNINGIA PUSILLA, PLEUROPOGON CALIFORNICUS, VERONICA PEREGRINA SSP XALAPENSIS, POSSIBLY CENTROMADIA PARRYI SSP CONGDONII (NOT FLOWERING ON SITE DATE).

Threat: FIELD TILLING.

General: 60 PLANTS SEEN IN 2002. EXTIRPATED BY DEVELOPMENT ACCORDING TO LAKE (2005).

Owner/Manager: UNKNOWN

Tropidocarpum capparideum

caper-fruited tropidocarpum

Element Code: PDBRA2R010

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

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND.

Micro: ALKALINE CLAY. 0-455M.

Occurrence No. 11

Map Index: 36869

EO Index: 31866

Dates Last Seen

Occ Rank: Unknown

Element: 1897-03-XX

Origin: Natural/Native occurrence

Site: 1897-03-XX

Presence: Presumed Extant

Record Last Updated: 1997-09-25

Trend: Unknown

Quad Summary: Altamont (3712166/445B), Midway (3712165/445A), Livermore (3712167/446A), Byron Hot Springs (3712176/463C), Tassajara (3712177/464D)

County Summary: Alameda

Lat/Long: 37.70048° / -121.71632°

Township: 03S

UTM: Zone-10 N4173359 E613163

Range: 02E

Radius: 5 mile

Mapping PrecisionNON-SPECIFIC

Section: 02

Qtr: XX

Elevation: 540 ft

Symbol Type:POINT

Meridian: M

Location: BY RAILROAD EAST OF LIVERMORE.

General: ABOVE LOCATION DESCRIPTION IS ONLY INFORMATION. NO ELEVATION GIVEN ON HERBARIUM LABEL. SURVEYS NEEDED TO DETERMINE IF SUITABLE HABITAT EXISTS.

Owner/Manager: UNKNOWN

Valley Sink Scrub

Element Code: CTT36210CA

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

_____ Habitat Associations _____
General:
Micro:

Occurrence No. 18	Map Index: 10697	EO Index: 25409	_____ Dates Last Seen _____
Occ Rank: Unknown			Element: 1986-06-05
Origin: Natural/Native occurrence			Site: 1986-06-05
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1998-07-14

Quad Summary: Livermore (3712167/446A), Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72492° / -121.73968°	Township: 02S
UTM: Zone-10 N4176042 E611067	Range: 02E
Radius: 1 mile	Section: 27
Elevation: 510 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: WEST OF BROADMOOR STREET AND SOUTH OF RAYMOND ROAD, NORTHEAST OF LIVERMORE.

Location Detail: SITE IS ADJACENT TO A HOUSING DEVELOPMENT. REPORTED TO BE WITHIN THE SE 1/4 OF SECTION 27 BUT MAY ACTUALLY BE IN THE SW

Ecological: ALLENROLFEA OCCIDENTALIS SCRUB W/ALKALINE BARRENS, SCATTERED CLAYPAN VERNAL POOLS & INTERMITTENT DRAINAGES.
W/FRANKENIA, SALICORNIA, LASTHENIA, HORDEUM GENICULATUM. RARE TAXA INCL CORDYLANTHUS MOLLIS HISPIDUS & C. PALMATUS.

General: THIS WAS OCC #018 OF CTT36210CA.

Owner/Manager: CITY OF LIVERMORE

Vulpes macrotis mutica

San Joaquin kit fox

Element Code: AMAJA03041

Status

NDDB Element Ranks

Other Lists

Federal: Endangered

Global: G4T2T3

CDFG Status:

State: Threatened

State: S2S3

Habitat Associations

General: ANNUAL GRASSLANDS OR GRASSY OPEN STAGES WITH SCATTERED SHRUBBY VEGETATION.

Micro: NEED LOOSE-TEXTURED SANDY SOILS FOR BURROWING, AND SUITABLE PREY BASE.

Occurrence No. 1031

Map Index: 67980

EO Index: 68130

Dates Last Seen

Occ Rank: Unknown

Element: 1975-07-XX

Origin: Natural/Native occurrence

Site: 1975-07-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2007-01-30

Quad Summary: Livermore (3712167/446A), Dublin (3712168/446B)

County Summary: Alameda

Lat/Long: 37.72666° / -121.87813°

Township: 02S

UTM: Zone-10 N4176081 E598862

Range: 01E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 29

Qtr: XX

Elevation: 470 ft

Symbol Type:POLYGON

Meridian: M

Location: SAN RAMON, NEAR TASSAJARA CREEK REGIONAL PARK, ABOUT 1.7MI N OF INTERSECTION OF HWY 580 & TASSAJARA RD.

General: SIGHTING AT DEN SOMETIME FROM 1972 THROUGH JUL 1975.

Owner/Manager: UNKNOWN

Agelaius tricolor

tricolored blackbird

Element Code: ABPBXB0020

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G2G3

CDFG Status: SC

State: None

State: S2

Habitat Associations

General: HIGHLY COLONIAL SPECIES, MOST NUMEROUS IN CENTRAL VALLEY & VICINITY. LARGELY ENDEMIC TO CALIFORNIA.

Micro: REQUIRES OPEN WATER, PROTECTED NESTING SUBSTRATE, & FORAGING AREA WITH INSECT PREY WITHIN A FEW KM OF THE COLONY.

Occurrence No. 190

Map Index: 21505

EO Index: 18422

Dates Last Seen

Occ Rank: Poor

Element: 1992-01-05

Origin: Natural/Native occurrence

Site: 1992-01-05

Presence: Presumed Extant

Record Last Updated: 1994-03-25

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.74481° / -121.64051°

Township: 02S

UTM: Zone-10 N4178371 E619774

Range: 03E

Radius: 1/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 22

Qtr: NW

Elevation: 580 ft

Symbol Type:POINT

Meridian: M

Location: ALONG ALTAMONT PASS ROAD, 2 MI EAST OF THE DYER ROAD INTERSECTION, 7 MI NE OF LIVERMORE.

Ecological: HABITAT IS WITHIN NON-NATIVE, ANNUAL GRASSLAND; COLONY IS DIVIDED IN TWO PARTS: ONE PART NESTS IN A PATCH OF ITALIAN THISTLE AND MUSTARD AND THE SECOND PART NESTS ABOUT 0.2 MI EAST, IN A THISTLE PATCH ALONG THE BANKS OF A CREEK.

Threat: THREATENED BY HEAVY GRAZING IN THE FORAGING AREA USED BY THE TRICOLOREDS.

General: ONLY 45 ADULTS OBSERVED NESTING.

Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 24

Map Index: 10737

EO Index: 28432

Dates Last Seen

Occ Rank: None

Element: 1961-01-25

Origin: Natural/Native occurrence

Site: 1961-01-25

Presence: Extirpated

Record Last Updated: 2001-11-14

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.71298° / -121.72496°

Township: 02S

UTM: Zone-10 N4174735 E612382

Range: 02E

Radius: 1/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 35

Qtr: SE

Elevation: 525 ft

Symbol Type:POINT

Meridian: M

Location: 0.3 MI N (BY ROAD) JCT VASCO RD AND U.S. 50 (580).

General: MVZ 71885-6. JENNINGS CONSIDERS THIS SITE EXTIRPATED.

Owner/Manager: UNKNOWN

Occurrence No. 25

Map Index: 10742

EO Index: 28427

Dates Last Seen

Occ Rank: Unknown

Element: 1981-11-21

Origin: Natural/Native occurrence

Site: 1981-11-21

Presence: Presumed Extant

Record Last Updated: 2001-08-31

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.73631° / -121.72439°

Township: 02S

UTM: Zone-10 N4177324 E612397

Range: 02E

Radius: 1/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 26

Qtr: NE

Elevation: 560 ft

Symbol Type:POINT

Meridian: M

Location: ALONG VASCO ROAD, 1.8 MILES NORTH OF I-580, NE OF LIVERMORE.

Ecological: HABITAT CONSISTS OF GRASSLAND; FARM POND LOCATED NEARBY.

Threat: POSSIBLE THREAT FROM INTRODUCED GAMEFISH AND BULLFROGS.

General: MVZ #71886 FROM 25 JANUARY 1961. 2 ADULTS OBS 0.1 MILE APART ON 21 NOVEMBER 1981. CAS #178445 COLLECTED FEB 1980, CAS #178448-49 COLLECTED FEB 1983, LOCATION "VASCO RD".

Owner/Manager: UNKNOWN

Occurrence No. 27

Map Index: 10724

EO Index: 24441

Dates Last Seen

Occ Rank: Unknown

Element: 1982-04-10

Origin: Natural/Native occurrence

Site: 1982-04-10

Presence: Presumed Extant

Record Last Updated: 1996-07-05

Trend: Unknown

Quad Summary: Altamont (3712166/445B), Byron Hot Springs (3712176/463C)

County Summary: Alameda

Lat/Long: 37.75115° / -121.73061°

Township: 02S

UTM: Zone-10 N4178963 E611826

Range: 02E

Area: 91.6 acres

Mapping PrecisionSPECIFIC

Section: 23

Qtr: XX

Elevation: 800 ft

Symbol Type:POLYGON

Meridian: M

Location: 10.8 MI S JCT. CAMINO DIABLO RD ON VASCO RD TO APPROXIMATELY 2.6 MILES FROM HIGHWAY 580 INTERCHANGE IN LIVERMORE.

Location Detail: FOUND NEAR THE ROAD ALONG CREEK.

Ecological: FARM POND, GRASSLAND AND CREEK.

Threat: THREATENED BY INTRODUCED BULLFROGS AND GAME FISH.

General: MVZ #88576, COLLECTED 1/17/70; #150333, COLLECTED 3/15/1977. SIX INDIVIDUALS SIGHTED FROM NOV 1981 TO APR 1982

Owner/Manager: PVT

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G2G3

CDFG Status: SC

State: None

State: S2S3

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 39

Map Index: 10768

EO Index: 19417

Dates Last Seen

Occ Rank: None

Element: 1966-01-XX

Origin: Natural/Native occurrence

Site: 2002-XX-XX

Presence: Possibly Extirpated

Record Last Updated: 2004-06-23

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.66509° / -121.70790°

Township: 03S

UTM: Zone-10 N4169442 E613959

Range: 02E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 13

Qtr: SW

Elevation: 680 ft

Symbol Type:POLYGON

Meridian: M

Location: TESLA ROAD BETWEEN LAS POSITAS AVE AND GREENVILLE RD; SE OF LIVERMORE.

Ecological: GRAPES EVERYWHERE EXCEPT SMALL FALLOW AREA - SOME POTENTIAL FOR SEASONAL POND IN MIDDLE, BUT DRY WHEN OBSERVED. NO GROUND SQUIRRELS IN AREA.

General: OBS BY ED ELY IN JAN 1966.

Owner/Manager: UNKNOWN

Occurrence No. 104

Map Index: 17089

EO Index: 13984

Dates Last Seen

Occ Rank: Fair

Element: 2003-12-29

Origin: Natural/Native occurrence

Site: 2003-12-29

Presence: Presumed Extant

Record Last Updated: 2005-12-20

Trend: Unknown

Quad Summary: Midway (3712165/445A), Altamont (3712166/445B), Byron Hot Springs (3712176/463C)

County Summary: Alameda

Lat/Long: 37.74370° / -121.64723°

Township: 02S

UTM: Zone-10 N4178240 E619184

Range: 03E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 21

Qtr: XX

Elevation: 500 ft

Symbol Type:POLYGON

Meridian: M

Location: ALTAMONT PASS ROAD BETWEEN GREENVILLE AND NORTH MIDWAY ROAD, AND DYER ROAD.

Location Detail: NO ROUTES EXIST FOR SALAMANDERS TO MIGRATE UNDER OR AROUND ALTAMONT PASS ROAD.

Ecological: OPEN, GRAZED GRASSLAND WITH NEARBY CREEKS & PONDS. ALTAMONT CREEK IS BROAD & SLOW MOVING; RESEMBLES INUNDATED WETLAND WITH SPARSE EMERGENT VEGETATION; SURROUNDING HILLS SUPPORT NON-NATIVE GRASSLAND.

Threat: CATTLE GRAZING; WIND ENERGY PRODUCTION IN SURROUNDING HILLS; HEAVY COMMUTER TRAFFIC; GARBAGE TRUCKS; WIDENING OF ROAD.

General: OBS 1/75. '81: CAS#153485,153498. '87: #187405,187407, 162101-2. '89: 30 OBS & LARVAE IN POND. '92: #185392. '93: 4 IN DITCH, DRYER RD. '95: 42 AD; DOR ALTAMONT/DRYER RDS. '99: #208077. '01: DOR #218616. '02: 5 DOR DRYER RD. '03: 1 DOR DRYER RD.

Owner/Manager: UNKNOWN

Occurrence No. 105

Map Index: 17092

EO Index: 9780

Dates Last Seen

Occ Rank: Excellent

Element: 1989-11-25

Origin: Natural/Native occurrence

Site: 1989-11-25

Presence: Presumed Extant

Record Last Updated: 1992-01-28

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.69723° / -121.67442°

Township: 03S

UTM: Zone-10 N4173049 E616861

Range: 03E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 05

Qtr: XX

Elevation: 850 ft

Symbol Type:POLYGON

Meridian: M

Location: ALONG PATTERSON AND SOUTH FLYNN ROADS, EAST OF LIVERMORE.

Ecological: OPEN, GRAZED GRASSLAND WITH NEARBY CREEKS & PONDS.

Threat: CATTLE GRAZING

General: 4 SALAMANDERS OBSERVED WHILE DRIVING ALONG THESE ROADS DURING A MEDIUM TO HEAVY RAIN BETWEEN 8-11 PM.

Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G2G3

CDFG Status: SC

State: None

State: S2S3

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 106

Map Index: 17093

EO Index: 9779

Dates Last Seen

Occ Rank: Excellent

Element: 2001-03-04

Origin: Natural/Native occurrence

Site: 2001-03-04

Presence: Presumed Extant

Record Last Updated: 2002-08-20

Trend: Unknown

Quad Summary: Midway (3712165/445A), Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.65444° / -121.66824°

Township: 03S

UTM: Zone-10 N4168309 E617473

Range: 03E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 21

Qtr: SW

Elevation: 1,000 ft

Symbol Type:POLYGON

Meridian: M

Location: ALONG TESLA ROAD AND A SMALL PORTION OF GREENVILLE ROAD, SOUTHEAST OF LIVERMORE

Ecological: HABITAT CONSISTS OF OPEN, GRAZED GRASSLAND WITH NEARBY CREEKS AND PONDS.

Threat: THREATENED BY OVER-GRAZING BY CATTLE AND TRAFFIC ON THE ROADS DURING MIGRATION.

General: 15 MAR 1977: MVZ #170988 & #144958-9. 2/15/82: UMMZ #173503-9. 24 DEC 1983: MVZ #227095-8 BY MACEY. ABOUT 15 CTS OBS WHILE DRIVING ROADS DURING MEDIUM-HEAVY RAIN 8-11 PM, 25 NOV 1989. MVZ #229411 COLL 8 FEB 1990. 12 CTS OBS 4 MAR 2001.

Owner/Manager: UNKNOWN

Occurrence No. 131

Map Index: 23822

EO Index: 7444

Dates Last Seen

Occ Rank: Good

Element: 1993-04-14

Origin: Natural/Native occurrence

Site: 1993-04-14

Presence: Presumed Extant

Record Last Updated: 1993-09-09

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.71354° / -121.62984°

Township: 02S

UTM: Zone-10 N4174915 E620766

Range: 03E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 34

Qtr: SE

Elevation: 1,100 ft

Symbol Type:POINT

Meridian: M

Location: 1 MILE SOUTH OF THE REDMOND CUT RAILROAD CROSSING OVER I-580 AND MOUNTAIN HOUSE CREEK, 6 MILES EAST OF LIVERMORE.

Ecological: HABITAT CONSISTS OF A STOCK RESERVOIR; ADJACENT HABITAT IS NON-NATIVE GRASSLAND THAT UNDERGOES MODERATE TO HEAVY GRAZING.

Threat: THREATENED BY A PROPOSAL TO CONVERT THIS SITE TO A LANDFILL.

General: HUNDREDS OF SALAMANDER LARVAE OBSERVED AT THIS SITE.

Owner/Manager: PVT

Occurrence No. 132

Map Index: 23821

EO Index: 16115

Dates Last Seen

Occ Rank: Excellent

Element: 1993-04-14

Origin: Natural/Native occurrence

Site: 1993-04-14

Presence: Presumed Extant

Record Last Updated: 1995-10-27

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.71642° / -121.64647°

Township: 02S

UTM: Zone-10 N4175214 E619295

Range: 03E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 33

Qtr: NE

Elevation: 1,100 ft

Symbol Type:POINT

Meridian: M

Location: 0.75 MILE EAST OF THE INTERSECTION OF NORTH FLYNN ROAD AND I-580, 5 MILES EAST OF LIVERMORE.

Ecological: HABITAT CONSISTS OF AN ARTIFICIAL STOCK POND CONTAINING NO EMERGENT VEGETATION; WATER TURBID. SURROUNDING HABITAT IS NON-NATIVE GRASSLAND THAT UNDERGOES MODERATE TO HEAVY GRAZING.

Threat: THREATENED BY A PROPOSAL TO CONVERT THIS SITE TO A LANDFILL.

General: SITE WAS ORIGINALLY SAMPLED BY BIOSEARCH WILDLIFE SURVEYS IN 1992. WHEN 1000'S WERE OBSERVED. IN 1993, SITE WAS SAMPLED ONLY TO ESTABLISH PRESENCE OF THE SALAMANDER; ONE LARVA OBSERVED.

Owner/Manager: PVT

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G2G3

CDFG Status: SC

State: None

State: S2S3

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 141

Map Index: 24123

EO Index: 7275

Dates Last Seen

Occ Rank: Fair

Element: 1993-01-21

Origin: Natural/Native occurrence

Site: 1993-01-21

Presence: Presumed Extant

Record Last Updated: 1993-09-09

Trend: Unknown

Quad Summary: Livermore (3712167/446A), Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.66547° / -121.75130°

Township: 03S

UTM: Zone-10 N4169432 E610131

Range: 02E

Radius: 1/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 15

Qtr: XX

Elevation: 550 ft

Symbol Type:POINT

Meridian: M

Location: ALONG WENTE AVENUE, SOUTH OF PLEASANT VIEW LANE, LIVERMORE.

Location Detail:1 ADULT OBSERVED ON THE ROAD, DURING A HEAVY RAIN, AT 8:15 PM.

Ecological: SURROUNDING LANDS INCLUDE VINEYARDS, FALLOW AGRICULTURAL FIELDS, ANNUAL GRASSLANDS, AND SPARSELY SCATTERED HOMES.

General: 1 ADULT OBSERVED MIGRATINGTO/FROM A BREEDING SITE.

Owner/Manager: UNKNOWN

Occurrence No. 188

Map Index: 33751

EO Index: 1459

Dates Last Seen

Occ Rank: Good

Element: 1999-05-14

Origin: Natural/Native occurrence

Site: 1999-05-14

Presence: Presumed Extant

Record Last Updated: 2001-09-10

Trend: Unknown

Quad Summary: Livermore (3712167/446A), Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72301° / -121.73787°

Township: 02S

UTM: Zone-10 N4175833 E611229

Range: 02E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 27

Qtr: XX

Elevation: 500 ft

Symbol Type:POLYGON

Meridian: M

Location: SPRINGTOWN, SOUTH OF RAYMOND ROAD AND WEST OF VASCO ROAD, NORTH OF LIVERMORE.

Location Detail:INCLUDED IN AREA ARE THE SPRINGTOWN PROJECT SITE (SE CORNER) & SPRINGTOWN MITIGATION SITE (MIDDLE WEST)

Ecological: HABITAT CONSISTS OF ALKALI SINK CONTAINING VERNAL POOLS. CORDYLANTHUS PALMATUS, BRANCHINECTA LYNCHI, AND ATHENE CUNICULARIA ALSO FOUND IN AREA.

Threat: THREATS INCLUDE DEVELOPMENT, INVASIVE EXOTICS, ORV'S (INCLUDING HEAVY BICYCLE USE), AND DUMPING.

General: SEVERAL OBS 1991-93. 4/6/92: CAS# 197604, LARVA; CAS# 197609, LARVA. 1 ADULT OBS, 1993 (IN SWIMMING POOL), ADJACENT TO A CREEK. 50+ JUVENILES OBS, 1998. 1 JUV OBS NORTH END, SEVERAL IN SE, & 1 IN MID-WESTERN PORTIONS OF POLYGON, 1999.

Owner/Manager: CITY OF LIVERMORE, PVT

Occurrence No. 208

Map Index: 25528

EO Index: 19419

Dates Last Seen

Occ Rank: Good

Element: 1991-04-27

Origin: Natural/Native occurrence

Site: 2002-11-18

Presence: Presumed Extant

Record Last Updated: 2007-02-27

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.67139° / -121.69959°

Township: 03S

UTM: Zone-10 N4170151 E614682

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 13

Qtr: SE

Elevation: 720 ft

Symbol Type:POINT

Meridian: M

Location: 0.15 MILE WEST SIDE OF GREENVILLE ROAD AND 0.4 MILE NORTH OF TESLA ROAD, SW OF LAWRENCE LIVERMORE RADIATION LAB

Location Detail:SHAFFER SITE #103 (1990 SURVEY) & #158 (1991 SURVEY). POND IS LOCATED JUST WEST OF THE SOUTH BAY AQUEDUCT, UNDER SOME LARGE POWER LINES. 1989 LOCATION DESCRIPTION IS "PONDS S OF LLNL, ALONG GREENVILLE RD MIDWAY BETWEEN EAST AVE & TESLA RD."

Ecological: HABITAT CONSISTS OF A FRESH-WATER POND; AN ACTIVE POPULATION OF CALIFORNIA GROUND SQUIRRELS WAS FOUND TO THE SOUTH AND WEST OF THE POND.

Threat: THREATENED BY ENCROACHING VINEYARD CONVERSION ON SURROUNDING LANDS.

General: LARVAE OBSERVED 7 APR 1989. CTS FOUND ON 11 MAY 1990; NUMBER AND LIFE STAGE UNKNOWN. CTS PRESENT ON 27 APR 1991; NUMBER

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

AND LIFESTAGE UNKNOWN. POND AND A SMALL PATCH OF SURROUNDING HABITAT STILL PRESENT ON 18 NOV 2002.

Owner/Manager: UNKNOWN

Occurrence No. 499	Map Index: 44141	EO Index: 44141	Dates Last Seen
Occ Rank: Unknown			Element: 1996-02-19
Origin: Natural/Native occurrence			Site: 1996-02-19
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2000-10-25

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.65003° / -121.69126°	Township: 03S
UTM: Zone-10 N4167791 E615450	Range: 03E
Area: 4.2 acres	Section: 30
Elevation: 800 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NW
Symbol Type: POLYGON	

Location: SW PORTION OF POPPY RIDGE GOLF COURSE PROJECT SITE, 1.1 MILES SSE OF TESLA & GREENVILLE ROADS JCT, SE OF LIVERMORE
Location Detail: SITE IS ~3.5 ACRES AND CONTAINS 1 SMALL SEASONAL POND FED BY EPHEMERAL DRAINAGE AND A LARGER OFF SITE SEASONAL POND IMMEDIATELY WEST OF SITE.

Ecological: THE SITE IS DOMINATED BY NON-NATIVE GRASSLAND HABITAT WITH NUMEROUS GROUND SQUIRREL BURROWS.

General: FOUND 4 CTS DURING THE SAMPLING PERIOD, 1994. 10 CTS WERE OBSERVED ON THE 3 SURVEY DATES, 1996.

Owner/Manager: PVT

Occurrence No. 541	Map Index: 45861	EO Index: 45861	Dates Last Seen
Occ Rank: Unknown			Element: 1987-01-25
Origin: Natural/Native occurrence			Site: 1987-01-25
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2001-09-07

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.73576° / -121.69578°	Township: 02S
UTM: Zone-10 N4177298 E614919	Range: 03E
Radius: 1/5 mile	Section: 30
Elevation: 985 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SW
Symbol Type: POINT	

Location: NORTH END OF GOECKEN ROAD (OFF OF ALTAMONT PASS ROAD), 1 MILE NORTH OF GREENVILLE ROAD.
Location Detail: FOUND UNDER ROCKS.

General: 1/25/87: CAS# 187408, SUBADULT. MAPPED TO LAT-LONG COORDINATES GIVEN.

Owner/Manager: UNKNOWN

Occurrence No. 542	Map Index: 45862	EO Index: 45862	Dates Last Seen
Occ Rank: Unknown			Element: 1999-02-06
Origin: Natural/Native occurrence			Site: 1999-02-06
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2001-09-14

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.70604° / -121.64550°	Township: 03S
UTM: Zone-10 N4174063 E619397	Range: 03E
Radius: 1/5 mile	Section: 04
Elevation: 1,225 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NE
Symbol Type: POINT	

Location: 6 MILES ENE OF LIVERMORE, SOUTH OF INTERSTATE 580 AND NORTH OF PATTERSON PASS.
Location Detail: NEAR JUNCTION OF NORTH AND SOUTH FLYNN ROAD, 2.3 MILES FROM INTERSECTION OF SOUTH FLYNN ROAD AND PATTERSON PASS ROAD AND 1.2 ROAD MILES SOUTH OF I-580.

General: 5 MAR 1987: CAS# 187412, SUBADULT. 6 FEB 1999: CAS# 208076, ADULT MALE FOUND DOR ALONG NORTH FLYNN ROAD DURING LIGHT RAIN.

Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 543

Map Index: 45863

EO Index: 45863

Dates Last Seen

Occ Rank: Unknown

Element: 1987-01-03

Origin: Natural/Native occurrence

Site: 1987-01-03

Presence: Presumed Extant

Record Last Updated: 2001-09-07

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.71479° / -121.65235°

Township: 02S

UTM: Zone-10 N4175025 E618779

Range: 03E

Area:

Mapping Precision: NON-SPECIFIC

Section: 33

Qtr: XX

Elevation: 1,050 ft

Symbol Type: POLYGON

Meridian: M

Location: ALONG NORTH FLYNN ROAD, 5.8 MILES ENE OF LIVERMORE, SOUTH OF INTERSTATE 580 AND NORTH OF PATTERSON PASS.

General: 1/3/87: CAS# 187406, & 187410-11, ALL SUBADULTS.

Owner/Manager: UNKNOWN

Occurrence No. 552

Map Index: 45894

EO Index: 45894

Dates Last Seen

Occ Rank: Unknown

Element: 1994-03-30

Origin: Natural/Native occurrence

Site: 1994-03-30

Presence: Presumed Extant

Record Last Updated: 2001-09-12

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.71182° / -121.69805°

Township: 02S

UTM: Zone-10 N4174639 E614756

Range: 02E

Radius: 1/10 mile

Mapping Precision: NON-SPECIFIC

Section: 36

Qtr: SE

Elevation: 275 ft

Symbol Type: POINT

Meridian: M

Location: APPROXIMATELY 3 MILES NE OF LIVERMORE.

Location Detail: SW SIDE OF INTERSECTION OF UNION PACIFIC RAILROAD TRACKS AND GREENVILLE ROAD.

General: CAS# 197610, LARVA COLLECTED 30 MAR 1994 BY M.R. JENNINGS.

Owner/Manager: UNKNOWN

Occurrence No. 641

Map Index: 46700

EO Index: 46700

Dates Last Seen

Occ Rank: Unknown

Element: 1993-XX-XX

Origin: Natural/Native occurrence

Site: 1993-XX-XX

Presence: Presumed Extant

Record Last Updated: 2001-12-03

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.71540° / -121.71063°

Township: 02S

UTM: Zone-10 N4175021 E613641

Range: 02E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 36

Qtr: XX

Elevation: 540 ft

Symbol Type: POINT

Meridian: M

Location: JUST NORTH OF HWY 580 AT JUNCTION OF LAUGHLIN ROAD AND NORTH FRONT ROAD, NORTHEAST OF LIVERMORE.

Ecological: VERNAL POOL BREEDING HABITAT.

General: UNKNOWN NUMBER OBSERVED.

Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 895

Map Index: 66747

EO Index: 66897

Dates Last Seen

Occ Rank: Unknown

Origin: Natural/Native occurrence

Presence: Presumed Extant

Trend: Unknown

Element: 2003-04-30

Site: 2003-04-30

Record Last Updated: 2006-10-18

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.63193° / -121.72198°

UTM: Zone-10 N4165746 E612767

Radius: 80 meters

Elevation: 1,010 ft

Township: 03S

Range: 02E

Section: 35

Meridian: M

Qtr: XX

Mapping Precision: SPECIFIC

Symbol Type: POINT

Location: ABOUT 4.5 MI SE OF LIVERMORE, DRY CREEK.

Location Detail: COORDINATES GIVEN ARE ON A RIDGE TOP. MAPPED AT A NEARBY IMPOUNDMENT ON DRY CREEK.

General: 26 SPECIMENS CAPTURED BY SEINE & RELEASED BY ANGELA PICCO ON 30 APR 2003, SPECIMEN (TISSUE?) DEPOSITED AT UC DAVIS.

Owner/Manager: UNKNOWN

Occurrence No. 898

Map Index: 66750

EO Index: 66900

Dates Last Seen

Occ Rank: Unknown

Origin: Natural/Native occurrence

Presence: Presumed Extant

Trend: Unknown

Element: 1999-01-25

Site: 1999-01-25

Record Last Updated: 2006-10-16

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.67772° / -121.71135°

UTM: Zone-10 N4170840 E613635

Radius: 80 meters

Elevation: 620 ft

Township: 03S

Range: 02E

Section: 13

Meridian: M

Qtr: \NW

Mapping Precision: SPECIFIC

Symbol Type: POINT

Location: ABOUT 3.9 MI EAST OF LIVERMORE, 0.4 MI ESE OF INTERSECTION OF GRANT AVE. AND TAYLOR/LAS POSITAS AVE.

General: 1 FEMALE CAPTURED AND RELEASED BY JIM WOOLLETT ON 25 JAN 1999.

Owner/Manager: UNKNOWN

Occurrence No. 899

Map Index: 66751

EO Index: 66901

Dates Last Seen

Occ Rank: Unknown

Origin: Natural/Native occurrence

Presence: Presumed Extant

Trend: Unknown

Element: 1998-12-07

Site: 1998-12-07

Record Last Updated: 2006-10-17

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.69385° / -121.69637°

UTM: Zone-10 N4172647 E614931

Radius: 80 meters

Elevation: 620 ft

Township: 03S

Range: 03E

Section: 07

Meridian: M

Qtr: XX

Mapping Precision: SPECIFIC

Symbol Type: POINT

Location: NE OF LAWRENCE LIVERMORE NATIONAL LABORATORY, SE CORNER OF INTERSECTION OF PATTERSON PASS AND GREENVILLE ROAD.

General: 1 MALE CAPTURED AND RELEASED BY JIM WOOLLETT ON 7 DEC 1998.

Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Element Code: AAAA01180

Status
Federal: Threatened
State: None

NDDB Element Ranks
Global: G2G3
State: S2S3

Other Lists
CDFG Status: SC

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No. 916

Map Index: 68160

EO Index: 68315

Dates Last Seen

Occ Rank: Poor

Element: 2002-05-21

Origin: Natural/Native occurrence

Site: 2002-05-21

Presence: Presumed Extant

Record Last Updated: 2007-03-09

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72838° / -121.71566°

Township: 02S

UTM: Zone-10 N4176456 E613178

Range: 02E

Area:

Mapping Precision: NON-SPECIFIC

Section: 26

Qtr: SW

Elevation: 800 ft

Symbol Type: POLYGON

Meridian: M

Location: LIVERMORE, ABOUT 1 MILE NORTH OF I-580, VICINITY OF LAUGHLIN ROAD.

Location Detail: SALAMANDERS FOUND IN SWIMMING POOL IN NORTH LIVERMORE AND RELEASED IN HYDRATED MITIGATION POOL WITHIN 2 BLOCKS OF THE COORDINATES GIVEN. MAPPED TO BE OUTSIDE OF HOUSING DEVELOPMENT.

Threat: RESIDENTIAL AREA; HOUSE DEVELOPMENT SEPARATES FRICK LAKE AND VERNAL POOLS TO THE WEST.

General: 3 MALE ADULTS CAPTURED AND RELEASED IN GOOD HEALTH ON 21 MAY 2002.

Owner/Manager: UNKNOWN

Occurrence No. 942

Map Index: 68258

EO Index: 68412

Dates Last Seen

Occ Rank: Unknown

Element: 1989-04-24

Origin: Natural/Native occurrence

Site: 1989-04-24

Presence: Presumed Extant

Record Last Updated: 2007-02-27

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.68837° / -121.62894°

Township: 03S

UTM: Zone-10 N4172124 E620885

Range: 03E

Radius: 1/10 mile

Mapping Precision: NON-SPECIFIC

Section: 10

Qtr: NE

Elevation: 1,460 ft

Symbol Type: POINT

Meridian: M

Location: 5 MILES EAST OF LIVERMORE AT THE SUMMIT OF PATTERSON ROAD.

Location Detail: OBSERVED IN POND ALONG PATTERSON ROAD.

General: LARVAE OBSERVED DURING SURVEY ON 24 APR 1989.

Owner/Manager: UNKNOWN

Occurrence No. 943

Map Index: 25006

EO Index: 68414

Dates Last Seen

Occ Rank: Unknown

Element: 1986-XX-XX

Origin: Natural/Native occurrence

Site: 1988-XX-XX

Presence: Presumed Extant

Record Last Updated: 2007-03-15

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.74618° / -121.70951°

Township: 02S

UTM: Zone-10 N4178437 E613693

Range: 02E

Radius: 1/5 mile

Mapping Precision: NON-SPECIFIC

Section: 24

Qtr: VW

Elevation: 600 ft

Symbol Type: POINT

Meridian: M

Location: 1 MILE NORTHEAST OF LIVERMORE ALONG LAUGHLIN ROAD.

General: LARGE POPULATION OBSERVED IN POND IN 1986. POND DRY IN 1988.

Owner/Manager: UNKNOWN

Ambystoma californiense

California tiger salamander

Element Code: AAAAA01180

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

Habitat Associations

General: CENTRAL VALLEY DPS LISTED AS THREATENED. SANTA BARBARA & SONOMA COUNTIES DPS LISTED AS ENDANGERED.

Micro: NEED UNDERGROUND REFUGES, ESPECIALLY GROUND SQUIRREL BURROWS & VERNAL POOLS OR OTHER SEASONAL WATER SOURCES FOR BREEDING

Occurrence No.	Map Index:	EO Index:	Dates Last Seen
951	68268	68423	
Occ Rank: Poor			Element: 2007-01-04
Origin: Natural/Native occurrence			Site: 2007-01-04
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2007-02-27

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.67144° / -121.70646°	Township: 03S
UTM: Zone-10 N4170148 E614076	Range: 02E
Radius: 80 meters	Section: 13
Elevation: 620 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POINT	

Location: ABOUT 3.7MI ESE OF LIVERMORE, 0.8MI SW OF INTERSECTION OF FAST AVE AND GREENVILLE RD.

Location Detail: MAPPED ACCORDING TO UTM COORDINATES.

Ecological: DEVELOPED, PAVED AREA.

General: 1 JUVENILE OBSERVED ON 4 JAN 2007.

Owner/Manager: DOE-SANDIA NATIONAL LABS

Amsinckia lunaris

bent-flowered fiddleneck

Element Code: PDBOR01070

Status
Federal: None
State: None

NDDB Element Ranks
Global: G2
State: S2.2

Other Lists
CNPS List: 1B.2

Habitat Associations

General: CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.
Micro: 50-500M.

Occurrence No. 35

Map Index: 46054

EO Index: 62463

Dates Last Seen

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

Element: 1999-06-28
Site: 1999-06-28

Record Last Updated: 2005-08-29

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.74276° / -121.66319°
UTM: Zone-10 N4178115 E617779
Radius: 1/5 mile
Elevation: 750 ft

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Township: 02S
Range: 03E
Section: 20
Meridian: M
Qtr: SE

Location: ALTAMONT PASS.

General: ID UNCERTAIN. NEEDS FIELDWORK AND ID CONFIRMATION. LOCATION DESCRIBED ONLY AS ALTAMONT PASS BY MIKE WOOD, 1999.

Owner/Manager: UNKNOWN

Antrozous pallidus

pallid bat

Element Code: AMACC10010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G5

CDFG Status: SC

State: None

State: S3

Habitat Associations

General: DESERTS, GRASSLANDS, SHRUBLANDS, WOODLANDS & FORESTS. MOST COMMON IN OPEN, DRY HABITATS WITH ROCKY AREAS FOR ROOSTING.

Micro: ROOSTS MUST PROTECT BATS FROM HIGH TEMPERATURES. VERY SENSITIVE TO DISTURBANCE OF ROOSTING SITES.

Occurrence No. 126

Map Index: 51437

EO Index: 66583

Dates Last Seen

Occ Rank: Unknown

Element: 1942-06-13

Origin: Natural/Native occurrence

Site: 1942-06-13

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2006-11-02

Quad Summary: Mendenhall Springs (3712156/445C), Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.61984° / -121.69953°

Township: 04S

UTM: Zone-10 N4164431 E614767

Range: 02E

Radius: 1 mile

Mapping Precision: NON-SPECIFIC

Section: 01

Qtr: XX

Elevation:

Symbol Type: POINT

Meridian: M

Location: 6 TO 7 MI SE LIVERMORE, ARROYO MOCHO.

Location Detail: MAPPED ACCORDING TO LOCATION DESCRIPTION AND LAT/LONG COORDINATES PROVIDED BY MANIS WITH UNCERTAINTY OF 4596.2865M. 2 COLL. BY SCHWARTZ/RINCY 1941 KU#150286-150287. 1 COLL. BY RINEY 1941 CAS #9302.

General: 5 COLL. BY STORER/HILDEBRAND 1942, MVZ112488-112489, 104234-104233. 14 COLL. 1942 MVZ102222-102233, UWBM 12760-12761, 13 COLL. 1943 MVZ183561, UWBM102234-102244, 12 COLL 1945 MVZ101940-101949, BY DALQUEST. 1 COLL. BY RAMAGE 1945 MVX101955.

Owner/Manager: UNKNOWN

Astragalus tener var. tener

alkali milk-vetch

Element Code: PDFAB0F8R1

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G1T1

CNPS List: 1B.2

State: None

State: S1.1

Habitat Associations

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

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

Occurrence No. 8

Map Index: 24680

EO Index: 6925

Dates Last Seen

Occ Rank: None

Element: 1938-04-26

Origin: Natural/Native occurrence

Site: 2002-03-07

Presence: Possibly Extirpated

Record Last Updated: 2003-07-02

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.71080° / -121.71811°

Township: 02S

UTM: Zone-10 N4174501 E612989

Range: 02E

Radius: 1 mile

Mapping PrecisionNON-SPECIFIC

Section: 35

Qtr: XX

Elevation: 550 ft

Symbol Type:POINT

Meridian: M

Location: EAST END OF LIVERMORE VALLEY.

Location Detail: EXACT LOCATION UNKNOWN, SITE MAPPED IN AREA WHERE SOIL SURVEY MAPS SHOW ALKALINE SOILS.

Ecological: GROWING ON ALKALINE FLATS.

General: PLANTS COLLECTED HERE IN 1891, 1892, & 1938. SHOULD BE CHECKED FOR EXTANT HABITAT. IN 2002 WITHAM FOUND NO HABITAT OR PLANTS IN VICINITY OF GREENVILLE RD & HWY 580. DESPITE URBANIZATION, MORE FIELDWORK NEEDED TO DETERMINE STATUS.

Owner/Manager: UNKNOWN

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G4

CDFG Status: SC

State: None

State: S2

Habitat Associations

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

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

Occurrence No. 46

Map Index: 10685

EO Index: 6823

Dates Last Seen

Occ Rank: Unknown

Element: 1982-05-21

Origin: Natural/Native occurrence

Site: 1982-05-21

Presence: Presumed Extant

Record Last Updated: 1993-12-21

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.73045° / -121.74700°

UTM: Zone-10 N4176647 E610413

Township: 02S

Range: 02E

Radius: 1/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 27

Qtr: W

Elevation: 530 ft

Symbol Type:POINT

Meridian: M

Location: VICINITY OF DAGNINO ROAD AND RAYMOND ROAD JUNCTION, NE EDGE OF LIVERMORE.

General: INDIVIDUAL SIGHTINGS FROM 1979 TO 1982; TWO OBSERVED ON 27 JANUARY 1982.

Owner/Manager: UNKNOWN

Occurrence No. 50

Map Index: 10785

EO Index: 25462

Dates Last Seen

Occ Rank: Unknown

Element: 1979-05-19

Origin: Natural/Native occurrence

Site: 1979-05-19

Presence: Presumed Extant

Record Last Updated: 1998-12-16

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.65579° / -121.69622°

UTM: Zone-10 N4168424 E615003

Township: 03S

Range: 03E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 19

Qtr: E

Elevation: 100 ft

Symbol Type:POLYGON

Meridian: M

Location: FROM INTERSECTION OF TESLA ROAD & GREENVILLE ROAD TO SOUTH END OF GREENVILLE ROAD, SE OF LIVERMORE.

Ecological: OBSERVATIONS OF OWLS/BURROWS IN PASTURE WITH NEWLY-CUT HAY.

General: SEVERAL SIGHTINGS OF OWLS AND/OR BURROWS ALONG GREENVILLE ROAD BETWEEN 1972 AND 1979.

Owner/Manager: UNKNOWN

Occurrence No. 77

Map Index: 10712

EO Index: 5832

Dates Last Seen

Occ Rank: Unknown

Element: 1978-06-03

Origin: Natural/Native occurrence

Site: 1978-06-03

Presence: Presumed Extant

Record Last Updated: 1993-11-23

Trend: Unknown

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.71433° / -121.74097°

UTM: Zone-10 N4174866 E610969

Township: 02S

Range: 02E

Radius: 3/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 34

Qtr: XX

Elevation: 500 ft

Symbol Type:POINT

Meridian: M

Location: SPRINGTOWN, IN THE VICINITY OF BLUEBELL DRIVE, NE PART OF LIVERMORE.

General: MANY INDIVIDUAL OBSERVATIONS FROM 1973 TO 1978; AS MANY AS SIX AT ONE TIME OBSERVED.

Owner/Manager: UNKNOWN

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G4

CDFG Status: SC

State: None

State: S2

Habitat Associations

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

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

Occurrence No. 206

Map Index: 24679

EO Index: 6134

Dates Last Seen

Occ Rank: Good

Element: 1993-XX-XX

Origin: Natural/Native occurrence

Site: 1993-XX-XX

Presence: Presumed Extant

Record Last Updated: 1993-11-23

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72679° / -121.73700°

Township: 02S

UTM: Zone-10 N4176253 E611300

Range: 02E

Radius: 1/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 27

Qtr: SE

Elevation: 510 ft

Symbol Type:POINT

Meridian: M

Location: SPRINGTOWN ALKALI SINK, 0.7 MILE WEST OF THE INTERSECTION OF VASCO ROAD AND RAYMOND ROAD, LIVERMORE.

Ecological: HABITAT CONSISTS OF ALKALI SINK.

Threat: THREATS INCLUDE ORV'S, ALTERED BURN REGIME, REFUSE DUMPING, AND INVASION BY EXOTIC PLANTS.

General: ONE PAIR OBSERVED IN 1993 OCCUPYING A GROUND SQUIRREL COLONY.

Owner/Manager: CITY OF LIVERMORE, PVT

Occurrence No. 209

Map Index: 35360

EO Index: 6289

Dates Last Seen

Occ Rank: Excellent

Element: 1993-05-10

Origin: Natural/Native occurrence

Site: 1993-05-10

Presence: Presumed Extant

Record Last Updated: 1994-02-22

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72758° / -121.73274°

Township: 02S

UTM: Zone-10 N4176346 E611674

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 26

Qtr: SW

Elevation: 520 ft

Symbol Type:POINT

Meridian: M

Location: JUST NE OF THE INTERSECTION OF DALTON AVENUE AND AMES STREET, LIVERMORE.

Location Detail: BURROW SITE LOCATED ABOUT 100 YARDS NE OF THE INTERSECTION.

Ecological: HABITAT SURROUNDING BURROW SITE CONSISTS OF GRAZED GRASSLAND, WITH VERNAL POOLS IN THE VICINITY.

General: THIS PAIR OF OWLS WAS OBSERVED ON 20 APRIL AND 10 MAY 1993.

Owner/Manager: UNKNOWN

Occurrence No. 642

Map Index: 53468

EO Index: 53468

Dates Last Seen

Occ Rank: Good

Element: 2003-10-22

Origin: Natural/Native occurrence

Site: 2003-10-22

Presence: Presumed Extant

Record Last Updated: 2003-12-03

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.74225° / -121.73843°

Township: 02S

UTM: Zone-10 N4177967 E611150

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 22

Qtr: SE

Elevation: 600 ft

Symbol Type:POINT

Meridian: M

Location: 0.5 MILE NE OF THE INTERSECTION OF MAY SCHOOL ROAD AND DAGNINO ROAD, 4 MILES ENE OF LIVERMORE

Ecological: HABITAT CONSISTS OF NON-NATIVE GRASSLAND.

Threat: POSSIBLY THREATENED BY LAND USE CHANGE: SITE IS PART OF A MITIGATION AREA THAT IS BEING CONVERTED TO WETLANDS.

General: 1 ADULT OBSERVED ON 22 OCT 2003, SITTING NEAR BURROW ENTRANCE; SECONDARY EVIDENCE OF USE OBSERVED AT ENTRANCE. OWL WAS NOT OBSERVED ON A SUBSEQUENT VISIT.

Owner/Manager: UNKNOWN

Athene cunicularia

burrowing owl

Element Code: ABNSB10010

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G4

CDFG Status: SC

State: None

State: S2

Habitat Associations

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

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

Occurrence No. 643

Map Index: 53475

EO Index: 53475

Dates Last Seen

Occ Rank: Good

Element: 2003-10-22

Origin: Natural/Native occurrence

Site: 2003-10-22

Presence: Presumed Extant

Record Last Updated: 2003-12-03

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.74406° / -121.74387°

Township: 02S

UTM: Zone-10 N4178161 E610668

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 22

Qtr: SW

Elevation: 585 ft

Symbol Type:POINT

Meridian: M

Location: 0.5 MILE NNE OF THE INTERSECTION OF MAY SCHOOL ROAD AND DAGNINO ROAD, 4 MILES ENE OF LIVERMORE

Ecological: HABITAT CONSISTS OF NON-NATIVE GRASSLAND.

Threat: POSSIBLY THREATENED BY LAND USE CHANGE: SITE IS PART OF A MITIGATION AREA THAT IS BEING CONVERTED TO WETLANDS.

General: 1 ADULT OBSERVED ON 22 OCT 2003, SITTING NEAR BURROW ENTRANCE; SECONDARY EVIDENCE OF USE OBSERVED AT ENTRANCE. OWL WAS SEEN NEAR THE SAME BURROW ON A SUBSEQUENT VISIT.

Owner/Manager: UNKNOWN

Occurrence No. 926

Map Index: 69264

EO Index: 70044

Dates Last Seen

Occ Rank: Excellent

Element: 2006-11-20

Origin: Natural/Native occurrence

Site: 2006-11-20

Presence: Presumed Extant

Record Last Updated: 2007-05-15

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.66872° / -121.70145°

Township: 03S

UTM: Zone-10 N4169853 E614522

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 13

Qtr: SE

Elevation: 620 ft

Symbol Type:POINT

Meridian: M

Location: SE OF LIVERMORE, ABOUT 0.4 MILES NW OF INTERSECTION OF GREENVILLE RD AND TESLA RD.

Location Detail: MAPPED ACCORDING TO UTM COORDINATES PROVIDED BY SOURCE.

Ecological: NON-NATIVE GRASSLAND, MOWED ANNUALLY.

Threat: WILDLIFE RESERVE.

General: BURROW SITE. 1 ADULT OBSERVED ON 20 NOV 2006.

Owner/Manager: DOE-SANDIA NATIONAL LABS

Atriplex cordulata

heartscale

Element Code: PDCHE040B0

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2?	CNPS List: 1B.2
State: None	State: S2.2?	

Habitat Associations

General: CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND, MEADOWS.

Micro: ALKALINE FLATS AND SCALDS IN THE CENTRAL VALLEY, SANDY SOILS. 1-150(600)M.

Occurrence No. 11	Map Index: 10712	EO Index: 5830	Dates Last Seen
Occ Rank: Unknown			Element: 1988-XX-XX
Origin: Natural/Native occurrence			Site: 1988-XX-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1994-02-15

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.71433° / -121.74097°	Township: 02S		
UTM: Zone-10 N4174866 E610969	Range: 02E		
Radius: 3/5 mile	Section: 34	Qtr: XX	
Elevation: 500 ft	Meridian: M		

Mapping Precision:NON-SPECIFIC
Symbol Type:POINT

Location: SPRINGTOWN ALKALI SINK, NORTHEAST OF LIVERMORE.

Ecological: ALKALI SINK.

General: ONLY SOURCE OF INFORMATION IS OLSON LETTER TO CNPS MENTIONING 1988 OBSERVATION BY R. COATS ET. AL. MORE PRECISE INFORMATION NEEDED FOR THIS SITE.

Owner/Manager: UNKNOWN

Occurrence No. 68	Map Index: 49732	EO Index: 49732	Dates Last Seen
Occ Rank: Good			Element: 1999-05-18
Origin: Natural/Native occurrence			Site: 1999-05-18
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2002-12-26

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.73360° / -121.71206°	Township: 02S		
UTM: Zone-10 N4177038 E613488	Range: 02E		
Area: 1.5 acres	Section: 25	Qtr: \NW	
Elevation: 30 ft	Meridian: M		

Mapping Precision:SPECIFIC
Symbol Type:POLYGON

Location: JUST NORTH OF FRICK LAKE & EAST OF LAUGHLIN ROAD.

Location Detail:POPULATION LOCATED IN THE NW1/4 OF NW1/4 OF SECTION 25.

Ecological: PLANTS FOUND IN ALKALINE AREAS WITH ALLENROLFEA OCCIDENTALIS, HORDEUM MARINUM SSP. GUSSONEANUM, LOLIUM PERENNE, FRANKENIA SALINA, & HEMIZONIA PUNGENS VAR. MARITIMA. ATRIPLEX JOAQUINIANA & A. DEPRESSA ALSO PRESENT.

Threat: PORTIONS OF SITE ARE PROPOSED FOR DEVELOPMENT.

General: 100 INDIVIDUALS OBSERVED IN 1999.

Owner/Manager: PVT-THE DESILVA GROUP

Atriplex depressa

brittlescale

Element Code: PDCHE042L0

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2Q	CNPS List: 1B.2
State: None	State: S2.2	

Habitat Associations

General: CHENOPOD SCRUB, MEADOWS, PLAYAS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro: USUALLY IN ALKALI SCALDS OR ALK. CLAY IN MEADOWS OR ANNUAL GRASSLAND; RARELY ASSOC W/RIPARIAN, MARSHES, OR V.P.S. 1-320M.

Occurrence No. 5	Map Index: 28765	EO Index: 30158	Dates Last Seen
Occ Rank: Good			Element: 1999-05-18
Origin: Natural/Native occurrence			Site: 1999-05-18
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2005-09-22

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72593° / -121.72099°	Township: 02S
UTM: Zone-10 N4176176 E612712	Range: 02E
Area: 41.6 acres	Section: 26
Elevation: 530 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: E
Symbol Type: POLYGON	

Location: LIVERMORE, EAST SIDE OF VASCO ROAD, FROM JUNCTION WITH RAYMOND ROAD TO EAST OF LAUGHLIN RD NORTH OF FRICK LAKE.

Location Detail: SIX POLYGONS MAPPED IN SECTIONS 24, 25, & 26.

Ecological: IN ALKALINE SWALES IN GRASSLAND/MEADOW. ASSOC: HORDEUM BRACHYANTHERUM, FRANKENIA GRANDIFOLIA, DISTICHLIS SPICATA, HORDEUM GENICULATUM, BROMUS MOLLIS, VULPIA MYUROS HIRSUTA, ET AL. ATRIPLEX JOAQUINIANA & A. CORDULATA ALSO PRESENT.

Threat: POTENTIAL HOUSING DEVELOPMENT AND GRAZING THREATEN, SOME PARTS DRYLAND FARMED.

General: THOUSANDS OF PLANTS SEEN IN 1992 (SOUTHERNMOST POLYGON). 300 PLANTS SEEN IN 1989 (NORTHERNMOST POLY EO #7 LUMPED). UNKNOWN NUMBER OBSERVED BY M. WOOD IN 1997. 200 INDIVIDUALS OBSERVED IN 1999 (CENTRAL POLY).

Owner/Manager: PVT, UNKNOWN

Occurrence No. 6	Map Index: 24330	EO Index: 27267	Dates Last Seen
Occ Rank: Good			Element: 1989-05-26
Origin: Natural/Native occurrence			Site: 1989-05-26
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-01-02

Quad Summary: Byron Hot Springs (3712176/463C), Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.75024° / -121.70868°	Township: 02S
UTM: Zone-10 N4178889 E613760	Range: 02E
Area: 11.7 acres	Section: 24
Elevation: 750 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: NW
Symbol Type: POLYGON	

Location: 3/4-1 1/4 MI N OF FRICK LAKE, BOTH SIDES OF LAUGHLIN RD.

Location Detail: ALSO EXTENDS SLIGHTLY ONTO BYRON HOT SPRINGS QUADRANGLE. MAPPED AS 5 SMALL POLYGONS.

Ecological: IN SCALDS AND SEMI-BARREN AREAS WITH SPERGULARIA MACROTHECA, DISTICHLIS, FRANKENIA, LASTHENIA MINOR, HEMIZONIA PUNGENS, LOLIUM MULTIFLORUM, HORDEUM GENICULATA, H. DEPRESSUM, AND ERODIUM SPP.

General: 7250 PLANTS ESTIMATED IN 1989 IN 5 SUBPOPULATIONS.

Owner/Manager: PVT

Occurrence No. 27	Map Index: 10684	EO Index: 5835	Dates Last Seen
Occ Rank: Unknown			Element: 1990-11-08
Origin: Natural/Native occurrence			Site: 1990-11-08
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1994-04-29

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.71988° / -121.74568°	Township: 02S
UTM: Zone-10 N4175476 E610545	Range: 02E
Radius: 1/5 mile	Section: 34
Elevation: 500 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: NW
Symbol Type: POINT	

Location: SPRINGTOWN WETLANDS RESERVE, VICINITY OF LIVERMORE, N OF I-580.

Location Detail: NO MAP GIVEN; ONLY TRS. SPRINGTOWN GOLF COURSE OCCUPIES MUCH OF THE HABITAT IN THIS SECTION. MAPPED WITH ANOTHER RARE PLANT: CORDYLANTHUS MOLLIS HISPIDUS.

General: COLLECTION BY TAYLOR (SN BSAI) IS ONLY INFO SOURCE.

Owner/Manager: UNKNOWN

Atriplex depressa

brittlescale

Element Code: PDCHE042L0

Status

Federal: None

State: None

NDDB Element Ranks

Global: G2Q

State: S2.2

Other Lists

CNPS List: 1B.2

Habitat Associations

General: CHENOPOD SCRUB, MEADOWS, PLAYAS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro: USUALLY IN ALKALI SCALDS OR ALK. CLAY IN MEADOWS OR ANNUAL GRASSLAND; RARELY ASSOC W/RIPARIAN, MARSHES, OR V.P.S. 1-320M.

Occurrence No. 28

Map Index: 25527

EO Index: 5836

Dates Last Seen

Occ Rank: Unknown

Element: 2003-XX-XX

Origin: Natural/Native occurrence

Site: 2003-XX-XX

Presence: Presumed Extant

Record Last Updated: 2005-09-22

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.74190° / -121.66488°

UTM: Zone-10 N4178018 E617632

Area:

Elevation: 800 ft

Mapping PrecisionNON-SPECIFIC

Symbol Type:POLYGON

Township: 02S

Range: 03E

Section: 20

Meridian: M

Qtr: XX

Location: ALTAMONT PASS.

Location Detail:MAPPED ALONG ALTAMONT PASS RD THROUGH SECTION 20 (WHICH WAS GIVEN ON HERB LABEL).

General: MAIN SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A COLLECTION BY HALL (#10975 DS) WITH NO DATE GIVEN. ALSO OBSERVED BY THAYER & BARTOSH IN 2003. LOCATION OF 2003 OBSERVATION GIVEN ONLY AS ALTAMONT PASS RD.

Owner/Manager: UNKNOWN

Occurrence No. 54

Map Index: 35353

EO Index: 29420

Dates Last Seen

Occ Rank: Fair

Element: 2002-XX-XX

Origin: Natural/Native occurrence

Site: 2002-XX-XX

Presence: Presumed Extant

Record Last Updated: 2005-09-22

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72873° / -121.73348°

UTM: Zone-10 N4176473 E611607

Area: 8.3 acres

Elevation: 500 ft

Mapping PrecisionSPECIFIC

Symbol Type:POLYGON

Township: 02S

Range: 02E

Section: 27

Meridian: M

Qtr: SE

Location: ON BOTH SIDES OF AMES ST, LIVERMORE.

Location Detail:2 COLONIES. SE COLONY JUST NE OF INTERSECTION OF AMES ST & DALTON AVE. NW COLONY JUST SW OF INTERSECTION OF RAYMOND RD & AMES ST. MAPPED IN SE1/4 SEC 27 & SW1/4 SEC 26.

Ecological: FLAT ALKALI MEADOW WITH SEVERAL DEPRESSIONS AND LARGE ALKALI SCALDS. VEGETATION SPARSE IN SCALDS, A. DEPRESSA OBSERVED AT EDGES OF SCALDS. ASSOCIATED WITH SPERGULARIA MACROTHECA LONGISTYLA, JUNCUS CAPITATUS, LOLIUM

Threat: GRAZED BY CATTLE AND HORSES; PROPOSED FOR RESIDENTIAL DEVELOPMENT.

General: 10 PLANTS OBSERVED IN SE COLONY IN 1995. UNKNOWN NUMBER OF PLANTS OBSERVED BY C. THAYER IN NW COLONY IN 2002. NW COLONY MAPPED BASED ONLY UPON WRITTEN DESCRIPTION BY THAYER OF "JUST SW OF INTERSECTION OF RAYMOND RD AND AMES ST."

Owner/Manager: PVT

Occurrence No. 58

Map Index: 28764

EO Index: 30159

Dates Last Seen

Occ Rank: Fair

Element: 2003-XX-XX

Origin: Natural/Native occurrence

Site: 2003-XX-XX

Presence: Presumed Extant

Record Last Updated: 2005-09-22

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.70984° / -121.69657°

UTM: Zone-10 N4174421 E614888

Area:

Elevation: 600 ft

Mapping PrecisionNON-SPECIFIC

Symbol Type:POLYGON

Township: 02S

Range: 03E

Section: 31

Meridian: M

Qtr: SW

Location: LIVERMORE; NEAR GREENVILLE RD, ABOUT 0.5 MILE SOUTH OF I-580.

Location Detail:TWO COLONIES. WEST COLONY IS MAPPED BASED ON PRECISE 1996 MAP BY PRESTON. LOCATION OF EAST COLONY IS UNCERTAIN AND MAPPED BASED UPON DESCRIPTION FROM 2002 OBSERVATION: "AN ALKALI FLAT NEAR RR TRACKS ABOUT 1/2 MI E OF GREENVILLE RD SITE"

Ecological: ALKALI DEPRESSION/CHENOPOD SCRUB; OPEN ALKALI SCALD. WITH HEMIZONIA PUNGENS, SPERGULARIA, HORDEUM MARINUM GUSSONEANUM, ALLENROLFEA OCCIDENTALIS, DISTICHLIS SPICATA, PARAPHOLIS INCURVA, & CRESSA TRUXILLENSIS. IN SOLANO FINE SANDY LOAM SOILS.

Threat: ROADSIDE RUNOFF THREATENS.

General: W COLONY: 100 PLANTS IN 1996, UNKNOWN NUMBER OF PLANTS OBSERVED BY THAYER IN 2002 AND BY THAYER & BARTOSH IN 2003. E

Atriplex depressa

brittlescale

Element Code: PDCHE042L0

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2Q	CNPS List: 1B.2
State: None	State: S2.2	

Habitat Associations

General: CHENOPOD SCRUB, MEADOWS, PLAYAS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro: USUALLY IN ALKALI SCALDS OR ALK. CLAY IN MEADOWS OR ANNUAL GRASSLND; RARELY ASSOC W/RIPARIAN, MARSHES, OR V.P'S. 1-320M.

COLONY: "MANY PLANTS" OBSERVED IN 2002 BY THAYER, ET AL.

Owner/Manager: UNKNOWN

Atriplex joaquiniana

San Joaquin spearscale

Element Code: PDCHE041F3

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2	CNPS List: 1B.2
State: None	State: S2.1	

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. 1	Map Index: 20662	EO Index: 9560	Dates Last Seen
Occ Rank: Excellent			Element: 1999-05-18
Origin: Natural/Native occurrence			Site: 1999-05-18
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-01-21

Quad Summary: Altamont (3712166/445B), Byron Hot Springs (3712176/463C)

County Summary: Alameda

Lat/Long: 37.73746° / -121.71398°	Township: 02S
UTM: Zone-10 N4177464 E613312	Range: 02E
Area: 149.4 acres	Section: 25
Elevation: 600 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: N
Symbol Type: POLYGON	

Location: NE CORNER LIVERMORE VALLEY, FROM 0.1 MI NORTH OF SCENIC AVE, EAST OF VASCO ROAD TO 1.3 AIRMILES NORTH OF FRICK LAKE.

Location Detail: PLANT OCCURS IN DIFFERENT LOCALES ANNUALLY, POLYGONS REFLECT THESE DATA. MAPPED PRIMARILY EAST OF VASCO ROAD, ALONG BOTH SIDES OF LAUGHLIN ROAD IN SECTIONS 24, 25, 26, & 35.

Ecological: HEAVILY DISTURBED ALKALINE GRASSLANDS, MEADOW, & SALINE FLATS W/ DISTICHLIS SPICATA, FRANKENIA GRANDIFOLIA, F. SALINA, LOLIUM MULTIFLORUM, MALVELLA LEPROSA, LASTHENIA PLATYCARPA, ET AL. ATRIPLEX DEPRESSA ALSO PRESENT.

Threat: 1 PASTURE HEAVILY GRAZED, REMAINDER IN EXCELLENT CONDITION, PROPOSED HOUSING DEVELOPMENT THREATENS.

General: NORTHERN POLYS, 24,000 PLANTS OBS IN 1989, 23,610 PLANTS IN 1989, 170 IN '98, 5700 IN '99. FORMER OCCURRENCES 4 & 33 LUMPED AT THIS COMPLEX. SOUTHERN POLYS, 1000+ IN '91, 1000'S IN '92, 400 IN PART IN '94.

Owner/Manager: PVT

Occurrence No. 2	Map Index: 20661	EO Index: 6737	Dates Last Seen
Occ Rank: Fair			Element: 1991-06-23
Origin: Natural/Native occurrence			Site: 1991-06-23
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2006-12-13

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72318° / -121.74639°	Township: 02S
UTM: Zone-10 N4175841 E610478	Range: 02E
Area: 39.8 acres	Section: 27
Elevation: 500 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POLYGON	

Location: SPRINGTOWN SITE, NORTH END OF LIVERMORE, ABOUT 1/2 MILE SOUTH OF RAYMOND ROAD. "SPRINGVALE" HOUSING DEVELOPMENT.

Location Detail: MAPPED AS TWO COLONIES. THE LARGER OF THE COLONIES IS ALONG HARTFORD AVE EAST OF PERCHERON ROAD. THE SMALLER COLONY IS 1/8 MI NORTH OF THE EASTERN END OF HARTFORD AVE WITHIN THE SW 1/4 OF SECTION 27 AND THE NW 1/4 OF SECTION 34.

Ecological: ALKALI SINK SCRUB WITH CORDYLANTHUS PALMATUS, ALLENROLFEA OCCIDENTALIS, HEMIZONIA PUNGENS, SALICORNIA SUBTERMINALIS, SPERGULARIA MACROTHECA LONGISTYLA, FRANKENIA GRANDIFLORA, LASTHENIA JESSICAE, SUAEDA, CRESSA, HORDEUM, VULPIA, AND BROMUS.

Threat: THREATENED BY OVERGRAZING IN 1987. GRAZING REMOVED FROM AT LEAST PART OF THE SITE IN 1990.

General: ~500 PLANTS SEEN IN 1987, BUT LARGE AREA OF HABITAT NOT SURVEYED. 1 PLANT IN 1991 IN AREA N OF THE E END OF HARTFORD AVE. SOME OF POPULATION IS WITHIN SPRINGTOWN WETLANDS RESERVE. 1991 STUTZ COLLECTION FROM 2000 BLUEBELL RD ATTRIBUTED

Owner/Manager: CITY OF LIVERMORE

Atriplex joaquiniana

San Joaquin spearscale

Element Code: PDCHE041F3

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2	CNPS List: 1B.2
State: None	State: S2.1	

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. 3	Map Index: 20663	EO Index: 21320	Dates Last Seen
Occ Rank: Good			Element: 1989-04-14
Origin: Natural/Native occurrence			Site: 1989-04-14
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2006-12-13

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.73874° / -121.67202°	Township: 02S
UTM: Zone-10 N4177658 E617008	Range: 03E
Area: 14.7 acres	Section: 20
Elevation: 750 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SW
Symbol Type: POLYGON	

Location: DYER ROAD; AT JUNCTION WITH ALTAMONT PASS ROAD.

Location Detail: NORTH AND SOUTH OF RAILROAD CROSSING.

Ecological: LOW FLAT WETLAND BETWEEN ROAD AND NEARBY FOOTHILLS AND/OR RAILROAD TRACKS. WITH DISTICHLIS, SPERGULARIA MACROTHECA LONGIFLORA, HORDEUM, AND THREE OTHER ATRIPLEX SPP.

Threat: HABITAT EAST OF DYER ROAD HAS HEAVY HORSE GRAZING. THE REST IS GRAZED, BUT NOT HEAVILY IN 1987.

General: ABOUT 1500 PLANTS SEEN IN 1987 BY JOKERST. 3000 PLANTS OBSERVED IN 1989 (JONES AND STOKES 1991). 1927 COLLECTION BY WOLF FROM 1 MILE WEST OF ALTAMONT ATTRIBUTED HERE.

Owner/Manager: UNKNOWN

Occurrence No. 53	Map Index: 46054	EO Index: 46054	Dates Last Seen
Occ Rank: Unknown			Element: 1989-10-15
Origin: Natural/Native occurrence			Site: 1989-10-15
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-01-06

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.74276° / -121.66319°	Township: 02S
UTM: Zone-10 N4178115 E617779	Range: 03E
Radius: 1/5 mile	Section: 20
Elevation: 750 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SE
Symbol Type: POINT	

Location: ALTAMONT PASS.

Location Detail: IN HEAVILY GRAZED PASTURE IN SE 1/4 OF SECTION 20, ELEVATION 750 FEET. T-R-S PROVIDED BY TAYLOR STATES LOCATION IS T02S R02E SEC 20, BUT ALTAMOUNT PASS IS IN R03E, SO THAT IS WHERE WE MAPPED IT; ASSUME HERBARIUM LABEL HAS A TYPO.

Ecological: HEAVILY GRAZED PASTURE IN OPEN ALKALINE GRASSLAND DOMINATED BY DISTICHLIS SPICATA, FRANKENIA GRANDIFLORA AND HEMIZONIA PUNGENS.

Threat: GRAZING.

General: PLANTS COMMON IN 1989.

Owner/Manager: USFWS-SAN LUIS NWR

Balsamorhiza macrolepis var. macrolepis

big-scale balsamroot

Element Code: PDAST11061

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G3G4T2

CNPS List: 1B.2

State: None

State: S2.2

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND, CISMONTANE WOODLAND.

Micro: SOMETIMES ON SERPENTINE. 35-1000M.

Occurrence No. 13

Map Index: 37776

EO Index: 32783

Dates Last Seen

Occ Rank: None

Element: 1993-04-02

Origin: Natural/Native occurrence

Site: 1993-04-02

Presence: Extirpated

Record Last Updated: 2007-04-05

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.64730° / -121.68211°

Township: 03S

UTM: Zone-10 N4167500 E616261

Range: 03E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 30

Qtr: NE

Elevation: 900 ft

Symbol Type:POINT

Meridian: M

Location: POPPY RIDGE, ABOUT 1.5 MILES SOUTHEAST OF TESLA ROAD AT GREENVILLE ROAD, SOUTHEAST OF LIVERMORE.

Location Detail:MAPPED ALONG INTERMITTENT DRAINAGE BETWEEN ARROYO SECO AND ARROYO MOCHO IN THE NE 1/4 OF THE NE 1/4 OF SECTION 30.

Ecological: ANNUAL GRASSLAND GROWING WITH LUPINUS. POPULATION EXTENDS ABOUT 65 FEET DOWNSLOPE AND 50 FEET ACROSS SLOPE.

Threat: COW PASTURE, PROPOSED GOLF COURSE.

General: ABOUT 150 PLANTS OBSERVED IN 1993. EXTIRPATED BY CONSTRUCTION OF GOLF COURSE. SEED AND PLANTS MAY HAVE BEEN COLLECTED FOR TRANSPLANTATION, BUT DETAILS UNKNOWN. (LAKE, 2005)

Owner/Manager: PVT

Blepharizonia plumosa

big tarplant			Element Code: PDAST1C011
Status	NDDB Element Ranks	Other Lists	
Federal: None	Global: G1	CNPS List: 1B.1	
State: None	State: S1.1		
Habitat Associations			
General: VALLEY AND FOOTHILL GRASSLAND.			
Micro: DRY HILLS & PLAINS IN ANNUAL GRASSLAND. CLAY TO CLAY-LOAM SOILS; USUALLY ON SLOPES AND OFTEN IN BURNED AREAS. 15-455M.			

Occurrence No. 53	Map Index: 67027	EO Index: 67179	Dates Last Seen
Occ Rank: Unknown			Element: 1932-10-16
Origin: Natural/Native occurrence			Site: 1932-10-16
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2006-11-09

Quad Summary: Midway (3712165/445A), Altamont (3712166/445B)			
County Summary: Alameda			
Lat/Long: 37.63970° / -121.62789°		Township: 03S	
UTM: Zone-10 N4166726 E621057		Range: 03E	
Radius: 2/5 mile	Mapping PrecisionNON-SPECIFIC	Section: 27	Qtr: XX
Elevation:	Symbol Type:POINT	Meridian: M	
Location: 1.5 MILES WEST OF TESLA.			
Location Detail:MAPPED AS PER LOCALITY DESCRIPTION, BUT THIS IS VERY VAGUE; NEEDS FIELDWORK.			
Ecological: DRY CLAY SLOPE.			
General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS 1932 HOWELL COLLECTION.			
Owner/Manager: UNKNOWN			

Branchinecta longiantenna longhorn fairy shrimp				Element Code: ICBRA03020 Other Lists			
Status Federal: Endangered State: None		NDDB Element Ranks Global: G1 State: S1		CDFG Status:			
Habitat Associations General: ENDEMIC TO THE EASTERN MARGIN OF THE CENTRAL COAST MTNS IN SEASONALLY ASTATIC GRASSLAND VERNAL POOLS. Micro: INHABIT SMALL, CLEAR-WATER DEPRESSIONS IN SANDSTONE AND CLEAR-TO-TURBID CLAY/GRASS-BOTTOMED POOLS IN SHALLOW SWALES.							
Occurrence No. 3 Occ Rank: Fair Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown		Map Index: 17236 EO Index: 12022		Dates Last Seen Element: 1937-XX-XX Site: 1937-XX-XX			
* SENSITIVE *		Record Last Updated: 1990-12-11					
Quad Summary: Byron Hot Springs (3712176/463C), Altamont (3712166/445B) County Summary: Alameda							
* SENSITIVE * Lat/Long: UTM: Radius: Elevation:		Mapping Precision: Symbol Type:		Township: Range: Section: Meridian: Qtr:			
Location: *SENSITIVE* Location information suppressed. Location Detail: Please contact the California Natural Diversity Database, California Department of Fish and Game, for more information: (916) 324-3812. Ecological: POOL LOCATED DEEP IN ERODED SANDSTONE MASSES. Threat: THIS AREA CONTINUES TO EXPERIENCE MAJOR WIND ENERGY DEVELOPMENT. Owner/Manager:							

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G3

CDFG Status:

State: None

State: S2S3

Habitat Associations

General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.

Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 99

Map Index: 25002

EO Index: 1458

Dates Last Seen

Occ Rank: Good

Element: 1993-XX-XX

Origin: Natural/Native occurrence

Site: 2000-XX-XX

Presence: Presumed Extant

Record Last Updated: 2000-08-07

Trend: Unknown

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72266° / -121.73788°

Township: 02S

UTM: Zone-10 N4175794 E611229

Range: 02E

Area:

Mapping Precision: NON-SPECIFIC

Section: 34

Qtr: XX

Elevation: 500 ft

Symbol Type: POLYGON

Meridian: M

Location: SPRINGTOWN, SOUTH OF RAYMOND ROAD AND WEST OF VASCO ROAD, NORTH OF LIVERMORE.

Ecological: HABITAT CONSISTS OF ALKALI SINK CONTAINING VERNAL POOLS.

Threat: INVASIVE EXOTICS, ORV'S, NATURAL DISTURBANCE REGIME ALTERED (FIRE CONTROL); DISSRUPTION OF HYDROLOGY AND DUMPING.

General: SHRIMP OBSERVED WITH 2 COLLECTED FOR DENTON BELK'S COLLECTION 1991-1993; SEVERAL AMBYSTOMA TIGRIUM CALIFORIENSE, CORDYLANTHUS PALMATUS & ATHENE CUNICULARIA ALSO FOUND IN THE AREA. NONE FOUND IN SW 1/4 OF POLY, 2000

Owner/Manager: CITY OF LIVERMORE, PVT

Occurrence No. 142

Map Index: 28335

EO Index: 29434

Dates Last Seen

Occ Rank: Good

Element: 1996-11-27

Origin: Natural/Native occurrence

Site: 1996-11-27

Presence: Presumed Extant

Record Last Updated: 1999-10-13

Trend: Unknown

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72322° / -121.75888°

Township: 02S

UTM: Zone-10 N4175831 E609377

Range: 02E

Area: 64.8 acres

Mapping Precision: SPECIFIC

Section: 33

Qtr: VW

Elevation: 515 ft

Symbol Type: POLYGON

Meridian: M

Location: 0.6 MILE EAST OF HARTFORD AVENUE & NORTH LIVERMORE AVENUE INTERSECTION; 1.3 MILES NORTH OF INTERSTATE 580.

Location Detail: STONECHASE PROJECT SITE. POOL #'S: 1, 2, 23, 24, 48, 51, 53, 67, 92. SWALE #'S: 4, 22-2, 50. MIMA-MOUND TOPAGRAPHY.

Ecological: SEASONAL WETLAND WITH NON-NATIVE ANNUAL GRASSLAND UPLAND; DOMINANT PLANTS: CALLITRICHE MARGINATA, DOWNINGIA PULCHELLA, LASTHENIA FREMONTII, PSILOCARPHUS TENELLUS VAR. TENELLUS, FRANKENIA SALINA, HORDEUM MARINUM GUSSONEANUM, JUNCUS BUFONIUS.

Threat: CATTLE GRAZING & PROPOSED DEVELOPMENT.

General: 1996: ~20 OBS IN POOL #1, 2 IN POOL #2, 50-100 IN #23; 25-50 IN #24, 10 IN #48, ~50 IN POOLS 53 & 92, 10 IN #67, ~100 IN POOL 51, AND SWALES 22-2 & 50, >20 IN SWALE 4. SPECIMENS AT CAS.

Owner/Manager: PVT

Branchinecta lynchi

vernal pool fairy shrimp

Element Code: ICBRA03030

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G3

CDFG Status:

State: None

State: S2S3

Habitat Associations

General: ENDEMIC TO THE GRASSLANDS OF THE CENTRAL VALLEY, CENTRAL COAST MTNS, AND SOUTH COAST MTNS, IN ASTATIC RAIN-FILLED POOLS.

Micro: INHABIT SMALL, CLEAR-WATER SANDSTONE-DEPRESSION POOLS AND GRASSED SWALE, EARTH SLUMP, OR BASALT-FLOW DEPRESSION POOLS.

Occurrence No. 411

Map Index: 64322

EO Index: 64401

Dates Last Seen

Occ Rank: Fair

Element: 2005-03-04

Origin: Natural/Native occurrence

Site: 2005-03-04

Presence: Presumed Extant

Record Last Updated: 2006-03-22

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72399° / -121.70847°

Township: 02S

UTM: Zone-10 N4175976 E613818

Range: 02E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 25

Qtr: XX

Elevation: 560 ft

Symbol Type:POLYGON

Meridian: M

Location: JUST SOUTH OF FRICK LAKE, EAST OF LAUGHLIN ROAD.

Ecological: HEAVILY GRAZED PASTURE.

Threat: HOUSING DEVELOPMENT IS PLANNED.

General: UNDER 10 TO A FEW 100S FOUND IN 13 SEPARATE POOLS. COLLECTIONS MADE AND DEPOSITED IN CAS.

Owner/Manager: PVT

Buteo regalis

ferruginous hawk

Status	NDDB Element Ranks	Element Code: ABNKC19120	Other Lists
Federal: None	Global: G4		
State: None	State: S3S4		CDFG Status: SC

Habitat Associations

General: OPEN GRASSLANDS, SAGEBRUSH FLATS, DESERT SCRUB, LOW FOOTHILLS & FRINGES OF PINYON-JUNIPER HABITATS.

Micro: EATS MOSTLY LAGOMORPHS, GROUND SQUIRRELS, AND MICE. POPULATION TRENDS MAY FOLLOW LAGOMORPH POPULATION CYCLES.

Occurrence No. 23

Map Index: 66015

EO Index: 66094

Dates Last Seen

Occ Rank: Good

Element: 1998-02-05

Origin: Natural/Native occurrence

Site: 1998-02-05

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2006-08-23

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72184° / -121.71631°

Township: 02S

UTM: Zone-10 N4175728 E613131

Range: 02E

Radius: 80 meters

Mapping Precision: SPECIFIC

Section: 35

Qtr: NE

Elevation: 540 ft

Symbol Type: POINT

Meridian: M

Location: NE OF LIVERMORE, 0.5 MI NE OF INTERSECTION OF SCENIC AVE AND VASCO RD.

Ecological: NON-NATIVE ANNUAL GRASSLAND, NO TREES EXCEPT IN DEVELOPED AREAS. AVAILABLE PERCHES INCLUDE UTILITY POLES, FENCE POSTS AND STREET LIGHT POLES.

Threat: RESIDENTIAL DEVELOPMENT.

General: WINTERING SITE. 1 ADULT OBSERVED ON 5 FEB 1998. PERCHED ON STREET LIGHT, THEN FLEW TO NORTH. MOST AVAILABLE PERCHES ARE MAN-MADE.

Owner/Manager: PVT?

California macrophyllum

round-leaved filaree

Element Code: PDGER01070

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

Habitat Associations

General: CISMONTANE WOODLAND, VALLEY AND FOOTHILL GRASSLAND.

Micro: CLAY SOILS. 15-1200M.

Occurrence No. 42	Map Index: 45791	EO Index: 45791	Dates Last Seen
Occ Rank: Unknown			Element: 1935-03-18
Origin: Natural/Native occurrence			Site: 1935-03-18
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2006-11-07

Quad Summary: Altamont (3712166/445B), Byron Hot Springs (3712176/463C)

County Summary: Alameda

Lat/Long: 37.74591° / -121.65379°	Township: 02S		
UTM: Zone-10 N4178476 E618602	Range: 03E		
Radius: 1 mile	Section: 21	Qtr: XX	
Elevation:	Meridian: M		

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Location: EAST END OF ALTAMONT.

Location Detail:EXACT LOCATION UNKNOWN. MAPPED BY CNDDB AS BEST GUESS.

General: 1935 COLLECTION BY HOOVER FROM EAST SIDE OF ALTAMONT PASS AT BORDER OF HILLS ALSO ATTRIBUTED TO THIS SITE. ONLY SOURCES OF INFORMATION FOR THIS SITE ARE A 1923 COLLECTION BY ABRAMS AND A 1935 COLLECTION BY HOOVER. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Occurrence No. 94	Map Index: 66979	EO Index: 67128	Dates Last Seen
Occ Rank: Unknown			Element: 2004-03-25
Origin: Natural/Native occurrence			Site: 2004-03-25
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2006-11-07

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72699° / -121.66758°	Township: 02S		
UTM: Zone-10 N4176361 E617417	Range: 03E		
Radius: 1/10 mile	Section: 29	Qtr: S	
Elevation:	Meridian: M		

Mapping PrecisionNON-SPECIFIC
Symbol Type:POINT

Location: BETWEEN ALTAMONT PASS ROAD AND I-580, 0.8 AIR MILE SSE OF THE INTERSECTION OF ALTAMONT PASS ROAD & DYER ROAD.

Ecological: ANNUAL GRASSLAND ON CLAY SOILS.

General: ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 2004 PHOTO WITH COORDINATES BY SCHAFER.

Owner/Manager: UNKNOWN

Centromadia parryi ssp. congdonii

Congdon's tarplant

Element Code: PDAST4R0P1

Status		NDDB Element Ranks		Other Lists	
Federal: None		Global: G4T3		CNPS List: 1B.2	
State: None		State: S3.2			

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND.

Micro: ALKALINE SOILS, SOMETIMES DESCRIBED AS HEAVY WHITE CLAY. 1-230M.

Occurrence No. 68		Map Index: 60620		EO Index: 60656		Dates Last Seen	
Occ Rank: Good						Element: 2004-07-19	
Origin: Natural/Native occurrence						Site: 2004-07-19	
Presence: Presumed Extant						Record Last Updated: 2005-03-17	
Trend: Unknown							
Quad Summary: Altamont (3712166/445B), Byron Hot Springs (3712176/463C)							
County Summary: Alameda							
Lat/Long: 37.74180° / -121.67405°				Township: 02S			
UTM: Zone-10 N4177995 E616824				Range: 03E			
Area:		Mapping PrecisionNON-SPECIFIC		Section: 20		Qtr: XX	
Elevation: 750 ft		Symbol Type:POLYGON		Meridian: M			
Location: WEST OF ALTAMONT PASS, NORTH AND SOUTH OF JUNCTION OF ALTAMONT PASS ROAD AND DYER ROAD.							
Location Detail: OCCURRENCE EXTENDS ABOUT 0.5 MILES SOUTH OF JUNCTION AND 1.2 MILES NORTH OF JUNCTION ON DYER ROAD. PLANTS SCATTERED THROUGH AREA; DENSEST PORTION FOUND IN MESIC GRASSLAND IN LOW POINT BETWEEN RAILROAD EMBANKMENT, DYER ROAD, AND HILLS.							
Ecological: ON ALTAMONT CLAYS ON FRINGES OF ALKALI AND FRESHWATER SEASONAL WETLANDS IN ALKALI AND ANNUAL GRASSLAND. ASSOCIATED WITH CENTAUREA SOLSTITIALIS, PICRIS ECHIOIDES, DISTICHLIS SPICATA, HORDEUM MARINUM SSP. GOSSEANUM, AND BROMUS HORDACEUS.							
Threat: PROPOSED PIPELINE, INVASIVE NON-NATIVE PLANTS.							
General: ABOUT 5,000 PLANTS SEEN IN 2004.							
Owner/Manager: ALA COUNTY, PVT							

Cordylanthus mollis ssp. hispidus

hispid bird's-beak

Element Code: PDSCR0J0D1

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G2T2	CNPS List: 1B.1
State: None	State: S2.1	

Habitat Associations

General: MEADOWS, PLAYAS, VALLEY AND FOOTHILL GRASSLAND.

Micro: IN DAMP ALKALINE SOILS, ESPECIALLY IN ALKALINE MEADOWS AND ALKALI SINKS WITH DISTICHLIS. 10-155M.

Occurrence No. 15	Map Index: 10713	EO Index: 4686	Dates Last Seen
Occ Rank: Good			Element: 1999-05-26
Origin: Natural/Native occurrence			Site: 1999-05-26
Presence: Presumed Extant			
Trend: Fluctuating			Record Last Updated: 2003-09-24

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72723° / -121.73541°	Township: 02S
UTM: Zone-10 N4176304 E611439	Range: 02E
Area: 120.9 acres	Section: 27
Elevation: 510 ft	Meridian: M
Mapping Precision: SPECIFIC	Qtr: SE
Symbol Type: POLYGON	

Location: SPRINGTOWN WETLANDS RESERVE; LIVERMORE. NEAR RAYMOND RD & VASCO RD & IN BLUEBELL DRIVE AREA.

Location Detail: IN 1993, PLANTS FOUND ON EITHER SIDE OF SHALLOW DRAINAGE AND ON SLIGHTLY ELEVATED AREAS AT RAYMOND AND VASCO RDS. LARGE, SW POLYGON IS NEAR BLUEBELL DRIVE.

Ecological: ALKALI GRASSLAND/ALKALI SINK SCRUB WITH DISTICHLIS SPICATA, ALLENROLFEA OCCIDENTALIS, SUAEDA MOQUINII, SALICORNIA SUBTERMINALIS, FRANKENIA GRANDIFLORA AND CORDYLANTHUS PALMATUS. GROWING ON SALINE AND/OR SODIC SOILS WITH 1-5% SLOPE.

Threat: OVERGRAZED, HYDROLOGIC MODIFICATIONS, RESIDENTIAL DEVELOPMENT, ORV USE, FURTHER EROSION/GRAZING ARE THREATS.

General: 50-100 PLANTS AT EAST COLONY IN 1983. UNKNOWN NUMBER SEEN IN 1986 AT CENTRAL COLONY, 600 IN 1993. 300+ PLANTS AT WEST COLONY IN 1986, 200 IN 1999. NO PLANTS FOUND IN AREA DURING 1988-1991 CNPS SURVEYS. INCLUDES FORMER OCCURRENCE #16.

Owner/Manager: PVT, FCC, CITY OF LIVERMORE

Cordylanthus palmatus

palmate-bracted bird's-beak

Element Code: PDSCR0J0J0

Status

NDDB Element Ranks

Other Lists

Federal: Endangered

Global: G1

CNPS List: 1B.1

State: Endangered

State: S1.1

Habitat Associations

General: CHENOPOD SCRUB, VALLEY AND FOOTHILL GRASSLAND.

Micro: USUALLY ON PESCADERO SILTY CLAY WHICH IS ALKALINE, WITH DISTICHLIS, FRANKENIA, ETC. 5-155M.

Occurrence No. 10

Map Index: 10692

EO Index: 3037

Dates Last Seen

Occ Rank: Good

Element: 2004-09-22

Origin: Natural/Native occurrence

Site: 2004-09-22

Presence: Presumed Extant

Record Last Updated: 2006-08-01

Trend: Increasing

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.72246° / -121.73808°

Township: 02S

UTM: Zone-10 N4175771 E611211

Range: 02E

Area: 358.0 acres

Mapping Precision: SPECIFIC

Section: 27

Qtr: S

Elevation: 510 ft

Symbol Type: POLYGON

Meridian: M

Location: SPRINGTOWN WETLANDS RESERVE, APPROX 2.5 MI N OF LIVERMORE, W OF VASCO RD, S OF RAYMOND RD-HARTFORD AVE.

Location Detail: IN THE SOUTH 1/2 OF SECTION 27, THE NORTH 1/2 OF SECTION 34, AND THE EAST 1/2 OF THE NE 1/4 OF SECTION 33.

Ecological: ALONG BRAIDED DRAINAGE CHANNELS ON PESCADERO CLAY & SOLANO LOAM. IODINE BUSH & ALKALI GRASSLAND SUBTYPES OF THE VALLEY SINK SCRUB VEG. TYPE HERE. ASSOC WITH DISTICHLIS, HEMIZONIA, FRANKENIA, ALLENROLFEA & THE RARE C. MOLLIS HISPIDUS.

Threat: GRAZING, OHV USE, AND ALTERED HYDROLOGY.

General: 9000 PLANTS OBSERVED IN 1990, 10,000 IN 1991, 36,000 IN 1992, ~38,600 IN 1993, 52,954 IN 1997, <50,000 IN 2004. OBSERVED IN 2003 BY DIANNE LAKE AND JOHN GAME.

Owner/Manager: PVT, CITY OF LIVERMORE, DFG

Deinandra bacigalupii

Livermore tarplant

Element Code: PDAST4R0V0

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G1	CNPS List: 1B.2
State: None	State: S1.2	

Habitat Associations

General: MEADOWS AND SEEPS.

Micro: ALKALINE MEADOWS. 150-185M.

Occurrence No. 1 Map Index: 44493 EO Index: 44493 Dates Last Seen
Occ Rank: Unknown Element: 1999-07-14
Origin: Natural/Native occurrence Site: 1999-07-14
Presence: Presumed Extant
Trend: Unknown Record Last Updated: 2000-12-10

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.71123° / -121.69828° Township: 02S
UTM: Zone-10 N4174573 E614736 Range: 02E
Radius: 1/10 mile Mapping Precision: NON-SPECIFIC Section: 36 Qtr: SE
Elevation: 600 ft Symbol Type: POINT Meridian: M

Location: LIVERMORE, 0.1 TO 0.15 MILES SOUTH OF JUNCTION WITH LAS POSITAS ROAD ALONG THE EAST EDGE OF N. GREENVILLE ROAD.

Threat: DEVELOPMENT.

General: NEED BETTER LOCATION AND POPULATION INFO.

Owner/Manager: UNKNOWN

Occurrence No. 2 Map Index: 44494 EO Index: 44494 Dates Last Seen
Occ Rank: Fair Element: 2004-09-XX
Origin: Natural/Native occurrence Site: 2004-09-XX
Presence: Presumed Extant
Trend: Unknown Record Last Updated: 2007-04-11

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72891° / -121.73433° Township: 02S
UTM: Zone-10 N4176491 E611531 Range: 02E
Area: 162.0 acres Mapping Precision: SPECIFIC Section: 27 Qtr: SE
Elevation: 520 ft Symbol Type: POLYGON Meridian: M

Location: NEAR THE INTERSECTION OF AMES STREET AND RAYMOND ROAD, LIVERMORE.

Location Detail: THREE COLONIES. MAPPED AS NE1/4 SEC 27; MEDIUM SIZED POLYGON JUST TO THE NE OF THAT; AND SMALLER POLYGON 0.25 MI TO THE EAST ALONG RAYMOND RD.

Ecological: IN SANDY ALKALINE SOIL. ALKALI SWALES AND DRAINAGES AND ASSOCIATED GRASSLAND.

Threat: THREATENED BY DEVELOPMENT, GRAZING, AND TRANSMISSION TOWER MAINTENANCE.

General: TYPE LOCALITY. INCLUDES FORMER OCCURRENCE #3. MANY COLLECTIONS ATTRIBUTED TO THIS SITE. LESS THAN 100 INDIVIDUALS OBSERVED IN NORTHERN COLONY AND UNKNOWN NUMBER IN SW COLONY IN 2000. UNKNOWN NUMBER OBSERVED IN SE COLONY IN 2004.

Owner/Manager: PVT, CITY OF LIVERMORE

Occurrence No. 4 Map Index: 68876 EO Index: 69493 Dates Last Seen
Occ Rank: Unknown Element: 2002-09-15
Origin: Natural/Native occurrence Site: 2002-09-15
Presence: Presumed Extant
Trend: Unknown Record Last Updated: 2007-04-11

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.70773° / -121.69333° Township: 03S
UTM: Zone-10 N4174192 E615177 Range: 03E
Radius: 0 mile Mapping Precision: SPECIFIC Section: 06 Qtr: NW
Elevation: 650 ft Symbol Type: POLYGON Meridian: M

Location: 0.2 AIR MILE EAST OF THE INTERSECTION OF HAWTHORN PLACE AND GREENVILLE ROAD, LIVERMORE.

Location Detail: JUST EAST OF THE RAILROAD TRACKS.

Ecological: ALKALI FLAT.

General: MANY PLANTS OBSERVED IN 2002 BY THAYER, ET AL.

Owner/Manager: UNKNOWN

Delphinium californicum ssp. interius

Hospital Canyon larkspur

Element Code: PDRAN0B0A2

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G3T2?

CNPS List: 1B.2

State: None

State: S2?

Habitat Associations

General: CISMONTANE WOODLAND, CHAPARRAL.

Micro: IN WET, BOGGY MEADOWS, OPENINGS IN CHAPARRAL AND IN CANYONS. 225-1060M.

Occurrence No. 10

Map Index: 51437

EO Index: 51437

Dates Last Seen

Occ Rank: Unknown

Element: 1928-05-06

Origin: Natural/Native occurrence

Site: 1928-05-06

Presence: Presumed Extant

Record Last Updated: 2003-05-30

Trend: Unknown

Quad Summary: Mendenhall Springs (3712156/445C), Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.61984° / -121.69953°

Township: 04S

UTM: Zone-10 N4164431 E614767

Range: 02E

Radius: 1 mile

Mapping PrecisionNON-SPECIFIC

Section: 01

Qtr: XX

Elevation:

Symbol Type:POINT

Meridian: M

Location: SIX MILES FROM LIVERMORE, ARROYO MOCHO.

Location Detail: EXACT LOCATION UNKNOWN, MAPPED AT 6 MILES SOUTH OF LIVERMORE IN VICINITY OF ARROYO MOCHO.

Ecological: IN SOFT CHAPARRAL.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1928 COLLECTION BY MASON. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Eschscholzia rhombipetala

diamond-petaled California poppy

Element Code: PDPAP0A0D0

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

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND.

Micro: ALKALINE, CLAY SLOPES AND FLATS. 0-975M.

Occurrence No. 4	Map Index: 36880	EO Index: 31877	Dates Last Seen	
Occ Rank:	None		Element:	1888-03-25
Origin:	Natural/Native occurrence		Site:	1888-03-25
Presence:	Possibly Extirpated		Record Last Updated: 2007-03-29	
Trend:	Unknown			

Quad Summary: Midway (3712165/445A), Clifton Court Forebay (3712175/463D), Woodward Island (3712185/463A), Brentwood (3712186/463B), Altamont (3712166/445B), Byron Hot Springs (3712176/463C)

County Summary: Alameda, Contra Costa, San Joaquin

Lat/Long:	37.80463° / -121.64128°	Township:	01S	
UTM:	Zone-10 N4185008 E619610	Range:	03E	
Radius:	5 mile	Mapping Precision	NON-SPECIFIC	Section: 34
Elevation:	100 ft	Symbol Type:	POINT	Meridian: M
				Qtr: XX

Location: HILLS SOUTH OF BYRON.

General: COLLECTED AT ABOVE LOCATION BY GREENE, DATE UNKNOWN. TWO 1888 COLLECTIONS BY GREENE "NEAR BYRON SPRINGS" & "NEAR BYRON" ATTRIBUTED TO THIS SITE. POSSIBLY EXTIRPATED ACCORDING TO LAKE (2005).

Owner/Manager: UNKNOWN

Hygrotus curvipes

curved-foot hygrotus diving beetle

Element Code: IICOL38030

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G1

CDFG Status:

State: None

State: S1

Habitat Associations

General: AQUATIC; KNOWN ONLY FROM ALAMEDA & CONTRA COSTA COUNTIES.

Micro:

Occurrence No. 19

Map Index: 44514

EO Index: 44514

Dates Last Seen

Occ Rank: Unknown

Element: 1989-06-XX

Origin: Natural/Native occurrence

Site: 1989-06-XX

Presence: Presumed Extant

Record Last Updated: 2000-12-11

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.74155° / -121.67372°

Township: 02S

UTM: Zone-10 N4177968 E616853

Range: 03E

Area: 8.1 acres

Mapping Precision: SPECIFIC

Section: 20

Qtr: SW

Elevation: 760 ft

Symbol Type: POLYGON

Meridian: M

Location: ALONG DYER ROAD, 0.8 MILE WSW OF SUMMIT SCHOOL, ALTAMONT PASS, 2 MILES ENE OF FRICK LAKE.

Location Detail: SAMPLE SITE #16 (ROADSIDE DITCH), MAPPED AS GIVEN. SAMPLING DONE FROM JUNE 5 TO 13, 1989.

General: 6 ADULTS, 4 MALES & 2 FEMALES OBSERVED IN 1989; ALSO 10 H. PEDALIS OBSERVED AND 5 UNIDENTIFIED HYGROTUS SPECIES.

Owner/Manager: UNKNOWN

Occurrence No. 20

Map Index: 44517

EO Index: 44517

Dates Last Seen

Occ Rank: Unknown

Element: 1989-06-XX

Origin: Natural/Native occurrence

Site: 1989-06-XX

Presence: Presumed Extant

Record Last Updated: 2000-12-11

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72217° / -121.67876°

Township: 02S

UTM: Zone-10 N4175811 E616440

Range: 03E

Area: 10.2 acres

Mapping Precision: SPECIFIC

Section: 31

Qtr: NE

Elevation: 720 ft

Symbol Type: POLYGON

Meridian: M

Location: CONFLUENCE OF ALTAMONT & MOUNTAIN HOUSE CREEKS, BETWEEN I-580 & WESTERN PACIFIC RAILROAD TRACKS, EAST OF LIVERMORE.

Location Detail: SAMPLE SITE #38 (CREEK), MAPPED AS GIVEN. SAMPLING DONE FROM JUNE 5 TO 13, 1989.

Ecological: CREEK POOLS

General: 7 ADULTS, 2 MALES & 5 FEMALES OBSERVED IN 1989; ALSO 7 H. PEDALIS OBSERVED AND 5 UNIDENTIFIED HYGROTUS SPECIES.

Owner/Manager: UNKNOWN

Lasiurus cinereus hoary bat			
Status Federal: None State: None		NDDB Element Ranks Global: G5 State: S4?	
		Element Code: AMACC05030 Other Lists CDFG Status: SC	
Habitat Associations General: PREFERS OPEN HABITATS OR HABITAT MOSAICS, WITH ACCESS TO TREES FOR COVER & OPEN AREAS OR HABITAT EDGES FOR FEEDING. Micro: ROOSTS IN DENSE FOLIAGE OF MEDIUM TO LARGE TREES. FEEDS PRIMARILY ON MOTHS. REQUIRES WATER.			
Occurrence No. 15 Map Index: 68481 EO Index: 68772 Dates Last Seen			
Occ Rank: Unknown Origin: Natural/Native occurrence Presence: Presumed Extant Trend: Unknown		Element: 1941-04-20 Site: 1941-04-20 Record Last Updated: 2007-03-15	
Quad Summary: Mendenhall Springs (3712156/445C), La Costa Valley (3712157/446D), Altamont (3712166/445B), Livermore (3712167/446A) County Summary: Alameda			
Lat/Long: 37.62022° / -121.75491° UTM: Zone-10 N4164408 E609878 Radius: 1 mile Elevation:		Township: 04S Range: 02E Section: 04 Meridian: M Qtr: XX	
Mapping PrecisionNON-SPECIFIC Symbol Type:POINT			
Location: NW OF LAKE DEL VALLE, VICINITY OF ARROYO RD. Location Detail:MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTY OF 9456.5053M (5.9 MI). General: 1 MALE SPECIMEN (MVZ #109905) COLLECTED AT "5MI S OF LIVERMORE, MCCOY'S RANCH" BY CHARLES G. SIBLEY ON 20 APR 1941. Owner/Manager: UNKNOWN			

Masticophis flagellum ruddocki

San Joaquin whipsnake

Element Code: ARADB21021

Status
 Federal: None
 State: None

NDDB Element Ranks
 Global: G5T2T3
 State: S2?

Other Lists
 CDFG Status: SC

Habitat Associations

General: OPEN, DRY HABITATS WITH LITTLE OR NO TREE COVER. FOUND IN VALLEY GRASSLAND & SALTBU SH SCRUB IN THE SAN JOAQUIN VALLEY.
 Micro: NEEDS MAMMAL BURROWS FOR REFUGE AND OVIPOSITION SITES.

Occurrence No. 28

Map Index: 57183

EO Index: 57199

Dates Last Seen

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

Element: 2000-05-02
 Site: 2000-05-02

Record Last Updated: 2004-10-04

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.67119° / -121.69674°
 UTM: Zone-10 N4170133 E614934
 Radius: 80 meters
 Elevation: 750 ft

Mapping PrecisionSPECIFIC
 Symbol Type:POINT

Township: 03S
 Range: 02E
 Section: 13
 Meridian: M
 Qtr: SE

Location: WEST SIDE OF GREENVILLE ROAD, 0.4 MILE NORTH OF TESLA ROAD, SSE OF LAWRENCE LIVERMORE LABORATORY

Ecological: HABITAT CONSISTS OF GRASSLANDS SURROUNDED BY VINEYARDS AND RANCHES.

Threat: THREATENED BY ROADWAY TRAFFIC.

General: 1 ADULT FOUND DEAD ON THE ROAD (FRESH KILL) ON 2 MAY 2000.

Owner/Manager: ALA COUNTY

Plagiobothrys glaber

hairless popcorn-flower

Element Code: PDBOR0V0B0

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: GH	CNPS List: 1A
State: None	State: SH	

Habitat Associations

General: MEADOWS AND SEEPS, MARSHES AND SWAMPS.

Micro: COASTAL SALT MARSHES AND ALKALINE MEADOWS. 5-180M.

Occurrence No. 5	Map Index: 28362	EO Index: 22577	Dates Last Seen
Occ Rank: Unknown			Element: 1942-05-03
Origin: Natural/Native occurrence			Site: 1942-05-03
Presence: Possibly Extirpated			
Trend: Unknown			Record Last Updated: 1996-10-09

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.69031° / -121.74423°	Township: 03S
UTM: Zone-10 N4172197 E610717	Range: 02E
Radius: 1 mile	Section: 10
Elevation: 520 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: IN FIELD NEAR HIGHWAY 50 (NOW I-580?), 2 MILES EAST OF LIVERMORE STATION.

Location Detail: MAPPED AT EAST EDGE OF PRESENT DAY LIVERMORE, JUST SOUTH OF I-580 AT LIVERMORE BLVD.

Ecological: GROWING IN "HOG-WALLOW" IN FIELD.

General: ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1942 COLLECTION BY BACIGALUPI.

Owner/Manager: UNKNOWN

Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G4T2T3

CDFG Status: SC

State: None

State: S2S3

Habitat Associations

General: LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.

Micro: REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

Occurrence No. 78

Map Index: 25006

EO Index: 6294

Dates Last Seen

Occ Rank: Unknown

Element: 1981-11-21

Origin: Natural/Native occurrence

Site: 1981-11-21

Presence: Presumed Extant

Record Last Updated: 1994-01-20

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.74618° / -121.70951°

UTM: Zone-10 N4178437 E613693

Township: 02S

Range: 02E

Radius: 1/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 24

Qtr: NW

Elevation: 600 ft

Symbol Type:POINT

Meridian: M

Location: APPROXIMATELY 3 MILES NNE OF THE VASCO ROAD JUNCTION WITH I-580, NE OF LIVERMORE.

Ecological: HABITAT CONSISTS OF FARM PONDS SURROUNDED BY GRAZED GRASSLANDS.

Threat: THREATENED BY INUNDATION BY PROPOSED RESERVOIR.

General: 1 ADULT FROG OBSERVED ON 21 NOVEMBER 1981.

Owner/Manager: UNKNOWN

Occurrence No. 79

Map Index: 25005

EO Index: 6293

Dates Last Seen

Occ Rank: Unknown

Element: 1981-11-21

Origin: Natural/Native occurrence

Site: 1981-11-21

Presence: Presumed Extant

Record Last Updated: 1994-01-20

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.73918° / -121.71254°

UTM: Zone-10 N4177657 E613437

Township: 02S

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 24

Qtr: SW

Elevation: 625 ft

Symbol Type:POINT

Meridian: M

Location: EAST SIDE OF LAUGHLIN ROAD, 1.7 MILES NORTH OF I-580, NE OF LIVERMORE.

Ecological: HABITAT CONSISTS OF FARM PONDS SURROUNDED BY GRAZED GRASSLAND.

Threat: THREATENED WITH INUNDATION BY A PROPOSED RESERVOIR.

General: 1 ADULT FROG OBSERVED ON 21 NOVEMBER 1981.

Owner/Manager: UNKNOWN

Occurrence No. 80

Map Index: 25004

EO Index: 6291

Dates Last Seen

Occ Rank: Unknown

Element: 1981-11-21

Origin: Natural/Native occurrence

Site: 1981-11-21

Presence: Presumed Extant

Record Last Updated: 1994-02-22

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.73378° / -121.72560°

UTM: Zone-10 N4177042 E612294

Township: 02S

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 26

Qtr: N

Elevation: 575 ft

Symbol Type:POINT

Meridian: M

Location: JUST OFF VASCO ROAD, 2 MILES NORTH OF I-580, NE OF LIVERMORE.

Ecological: HABITAT CONSISTS OF FARM PONDS SURROUNDED BY GRAZED GRASSLAND.

Threat: THREATENED WITH INUNDATION BY A PROPOSED RESERVOIR.

General: 2 ADULT FROGS OBSERVED ON 21 NOVEMBER 1981.

Owner/Manager: UNKNOWN

Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G4T2T3

CDFG Status: SC

State: None

State: S2S3

Habitat Associations

General: LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.

Micro: REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

Occurrence No. 81

Map Index: 20660

EO Index: 6288

Dates Last Seen

Occ Rank: Unknown

Element: 1981-11-21

Origin: Natural/Native occurrence

Site: 1981-11-21

Presence: Presumed Extant

Record Last Updated: 1994-01-20

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72235° / -121.70943°

UTM: Zone-10 N4175793 E613737

Township: 02S

Range: 02E

Radius: 1/5 mile

Mapping PrecisionNON-SPECIFIC

Section: 36

Qtr: NW

Elevation: 550 ft

Symbol Type:POINT

Meridian: M

Location: ALONG LAUGHLIN ROAD, 0.5 MILE NORTH OF I-580, NE OF LIVERMORE.

Ecological: HABITAT CONSISTS OF FARM PONDS SURROUNDED BY GRAZED GRASSLAND.

Threat: THREATENED WITH INUNDATION BY A PROPOSED RESERVOIR.

General: 4 ADULT FROGS OBSERVED ON 21 NOVEMBER 1981.

Owner/Manager: UNKNOWN

Occurrence No. 95

Map Index: 25529

EO Index: 19117

Dates Last Seen

Occ Rank: Fair

Element: 2000-05-19

Origin: Natural/Native occurrence

Site: 2000-05-19

Presence: Presumed Extant

Record Last Updated: 2001-09-20

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.69635° / -121.68527°

UTM: Zone-10 N4172938 E615906

Township: 03S

Range: 03E

Area: 29.1 acres

Mapping PrecisionSPECIFIC

Section: 06

Qtr: SE

Elevation: 680 ft

Symbol Type:POLYGON

Meridian: M

Location: DRAINAGE DITCH FROM PATTERSON RESERVOIR, NORTH OF PATTERSON PASS ROAD AND EAST OF GREENVILLE ROAD, NE OF LIVERMORE LAB.

Ecological: HABITAT CONSISTS OF A 10-FT WIDE, ARTIFICIAL DRAINAGE CHANNEL, WITH STEEP BANKS; VEGETATED BY SEDGE, A FEW CATTAILS, AZOLLA, AND RUDEAL SPECIES (STAR THISTLE).

Threat: THREATS INCLUDE PERIODIC DREDGING (AND RESULTING SILTATION) AND THE PRESENCE OF MOSQUITOFISH.

General: MANY LARVAE, IN VARIOUS STAGES OF DEVELOPMENT, WERE OBSERVED 16 JULY 1991. 1 JUV COLLECTED BY J.M. BRODE 13 JUL 1993. 3 ADULT FROGS & 6 EGG MASSES OBSERVED 18 MAR 1997. 1 MALE CAPTURED/RELEASED 18 MAR 1999. 5 TADPOLES OBSERVED, 19 MAY 2000.

Owner/Manager: DWR

Occurrence No. 256

Map Index: 39037

EO Index: 34044

Dates Last Seen

Occ Rank: Good

Element: 1997-12-07

Origin: Natural/Native occurrence

Site: 1997-12-07

Presence: Presumed Extant

Record Last Updated: 2000-10-25

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.65020° / -121.69216°

UTM: Zone-10 N4167809 E615370

Township: 03S

Range: 03E

Radius: 1/10 mile

Mapping PrecisionNON-SPECIFIC

Section: 30

Qtr: NW

Elevation: 820 ft

Symbol Type:POINT

Meridian: M

Location: 1 MILE SOUTH OF TESLA ROAD AND 1300 FEET EAST OF GREENVILLE ROAD, SE OF LIVERMORE.

Location Detail: SITE CONSISTS OF A SMALL STOCKPOND, JUST WEST OF POPPY RIDGE GOLF COURSE CTS PRESERVATION AREA.

Ecological: HABITAT CONSISTS OF A SMALL STOCKPOND SURROUNDED BY GRAZED, NON-NATIVE ANNUAL GRASSLAND. POND MARGINS SUPPORT DENSE CATTAILS. POND HOLDS WATER FOR MOST OF THE YEAR AND IS ALSO A PROBABLE BREEDING SITE FOR CALIFORNIA TIGER SALAMANDERS.

Threat: POSSIBLE THREAT FROM AGRICULTURAL ACTIVITIES.

General: ON 7 DEC 1997, THE CALLS OF A SINGLE INDIVIDUAL WERE HEARD; NO FROGS OBSERVED. POND COULD NOT BE INVESTIGATED DUE TO RESTRICTED ACCESS.

Owner/Manager: PVT

Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

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

Habitat Associations

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

Occurrence No. 268	Map Index: 40070	EO Index: 35072	Dates Last Seen	
Occ Rank: Fair	Origin: Natural/Native occurrence	Presence: Presumed Extant	Element: 2005-03-09	Site: 2005-03-09
Trend: Unknown	Record Last Updated: 2005-06-15			
Quad Summary: Altamont (3712166/445B)				
County Summary: Alameda				
Lat/Long: 37.65765° / -121.70129°	UTM: Zone-10 N4168625 E614554		Township: 03S	
Area: 28.8 acres	Mapping Precision: SPECIFIC	Section: 24	Range: 02E	Qtr: NE
Elevation: 100 ft	Symbol Type: POLYGON	Meridian: M		
Location: JUST WEST OF GREENVILLE ROAD AND 0.5 MILE SOUTH OF TESLA ROAD, SE OF LIVERMORE				
Location Detail: SITE(S) SBA MP 13.07DS AND SBA MP 13.13DS. SITE IS LOCATED WEST OF GREENVILLE ROAD, IN A SMALL CREEK THAT CROSSES THE CALIFORNIA AQUEDUCT.				
Ecological: HABITAT CONSISTS OF A SMALL, ARTIFICIALLY-CHANNELIZED CREEK, WITH INTERMITTENT WATER FLOW; VEGETATED BY EMERGENT WETLAND VEGETATION. VINEYARDS SURROUND CREEK ABOVE BOTH BANKS.				
Threat: THREATENED BY LOSS OF WATER SOURCE, HERBICIDE/PESTICIDE USE IN ADJACENT VINEYARDS, AND BULLFROG PRESENCE.				
General: 6 ADS OBSERVED ON 18 SEP 1997. 4 ADS/4 JUVS OBSERVED ON 7 OCT 2002. 2 AD/14JUV OBSERVED IN SEP 2004. TOTAL OF 5 ADS, 6 EGG MASSES, 28 LARVAE OBSERVED BETWEEN 5 JAN-9 MAR 2005.				
Owner/Manager: DWR				

Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G4T2T3

CDFG Status: SC

State: None

State: S2S3

Habitat Associations

General: LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.

Micro: REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

Occurrence No. 377

Map Index: 42857

EO Index: 42857

Dates Last Seen

Occ Rank: Excellent

Element: 1999-06-11

Origin: Natural/Native occurrence

Site: 1999-06-11

Presence: Presumed Extant

Record Last Updated: 2002-10-15

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.74634° / -121.70127°

UTM: Zone-10 N4178465 E614419

Township: 02S

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 24

Qtr: NE

Elevation: 720 ft

Symbol Type:POINT

Meridian: M

Location: 0.4 MILE EAST OF LAUGHLIN ROAD, NNE OF LIVERMORE

Ecological: HABITAT CONSISTS OF A BREEDING POND WITHIN GRAZED ANNUAL GRASSLAND; SOME WILLOW RIPARIAN LEADING INTO THE POND.

Threat: POSSIBLE THREAT OF EROSION TO DAM DUE TO FLOODING.

General: 1000'S OF TADPOLES AND 143 JUVENILE FROGS OBSERVED ON 11 JUN 1999. 1 LARVA COLLECTED (MRJ #1505) ON 2 APR 2000 AND DEPOSITED AT CAS.

Owner/Manager: EBRPD-BRUSHY PEAK RP

Occurrence No. 387

Map Index: 43056

EO Index: 43056

Dates Last Seen

Occ Rank: Fair

Element: 2000-05-19

Origin: Natural/Native occurrence

Site: 2000-05-19

Presence: Presumed Extant

Record Last Updated: 2000-06-07

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.70018° / -121.68165°

UTM: Zone-10 N4173368 E616220

Township: 03S

Range: 03E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 06

Qtr: SE

Elevation: 680 ft

Symbol Type:POINT

Meridian: M

Location: 0.2 MILE NNE OF PATTERSON RESERVOIR, EAST OF THE CALIFORNIA AQUEDUCT, NE OF LAWRENCE LIVERMORE LAB.

Ecological: HABITAT CONSISTS OF AN ARTIFICIAL POND, SURROUNDED BY GRAZED ANNUAL GRASSLAND WITH MANY SMALL MAMMAL BURROWS. POND CONTAINS A DENSE GROWTH OF TYPHA.

General: 1 JUVENILE OBSERVED ON 19 MAY 2000.

Owner/Manager: DWR

Occurrence No. 411

Map Index: 44291

EO Index: 44291

Dates Last Seen

Occ Rank: Fair

Element: 2004-09-24

Origin: Natural/Native occurrence

Site: 2004-09-24

Presence: Presumed Extant

Record Last Updated: 2005-06-15

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.65410° / -121.70560°

UTM: Zone-10 N4168225 E614179

Township: 03S

Range: 02E

Area: 7.2 acres

Mapping PrecisionSPECIFIC

Section: 24

Qtr: SE

Elevation: 700 ft

Symbol Type:POLYGON

Meridian: M

Location: ALONG THE SOUTH BAY AQUEDUCT, 0.5 MILE WEST OF GREENVILLE ROAD, SOUTH OF LIVERMORE LAB

Location Detail: SITE SBA MP 13.53US

Ecological: HABITAT CONSISTS OF TYPHUS-DOMINATED MARSH IN THE VICINITY OF THE AQUEDUCT CONCRETE APRON. SITE IS SURROUNDED BY VINEYARDS.

Threat: THREATS INCLUDE DRAINAGE CLEARING BY PRIVATE LANDOWNERS.

General: 1 ADULT AND 2 OF UNKNOWN AGE OBSERVED ON 23 OCT 2000. 1 ADULT OBSERVED ON 22 SEP 2004. 2 ADULTS REMOVED/RETURNED AFTER SEDIMENT REMOVAL AT THE SITE ON 24 SEP 2004.

Owner/Manager: DWR, PVT

Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G4T2T3

CDFG Status: SC

State: None

State: S2S3

Habitat Associations

General: LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.

Micro: REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

Occurrence No. 422

Map Index: 44929

EO Index: 44929

Dates Last Seen

Occ Rank: Good

Element: 2000-09-22

Origin: Natural/Native occurrence

Site: 2000-09-22

Presence: Presumed Extant

Record Last Updated: 2001-02-14

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.71221° / -121.71804°

Township: 02S

UTM: Zone-10 N4174658 E612993

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 35

Qtr: NE

Elevation: 540 ft

Symbol Type:POINT

Meridian: M

Location: NORTH SIDE OF I-580, 0.3 MILE EAST OF VASCO ROAD, LIVERMORE

Ecological: HABITAT CONSISTS OF A FLOOD CONTROL CHANNEL VEGETATED BY BULRUSHES AND CATTAILS; SURROUNDED BY NON-NATIVE GRASSLANDS.

Threat: THREATENED BY ACTIVITIES SURROUNDING SEDIMENT REMOVAL FROM THE FLOOD CONTROL CHANNEL.

General: 1 ADULT OBSERVED ON 22 SEP 2000, THE MORNING AFTER IT RAINED.

Owner/Manager: PVT

Occurrence No. 457

Map Index: 45745

EO Index: 45745

Dates Last Seen

Occ Rank: Unknown

Element: 1992-03-05

Origin: Natural/Native occurrence

Site: 1992-03-05

Presence: Presumed Extant

Record Last Updated: 2001-10-09

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.73635° / -121.73986°

Township: 02S

UTM: Zone-10 N4177310 E611034

Range: 02E

Radius: 1/10 mile

Mapping PrecisionNON-SPECIFIC

Section: 27

Qtr: NE

Elevation: 590 ft

Symbol Type:POINT

Meridian: M

Location: STOCK POND LOCATED 0.6 MILES NE INTERSECTION OF DAGNINO AND RAYMOND ROAD, NNE OF LIVERMORE.

Ecological: HABITAT CONSISTS OF A STOCK POND.

General: CAS# 183183, JUVENILE, 52MM SVL & 10.7GM. COLLECTED 5 MAR 1992 BY M.R. JENNINGS.

Owner/Manager: UNKNOWN

Occurrence No. 490

Map Index: 47196

EO Index: 47196

Dates Last Seen

Occ Rank: Fair

Element: 2001-03-04

Origin: Natural/Native occurrence

Site: 2001-03-04

Presence: Presumed Extant

Record Last Updated: 2002-02-07

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.66016° / -121.67137°

Township: 03S

UTM: Zone-10 N4168940 E617189

Range: 03E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 20

Qtr: NW

Elevation: 840 ft

Symbol Type:POINT

Meridian: M

Location: WEST OF THE INTERSECTION OF TESLA ROAD AND REUSS ROAD, SE OF LAWRENCE LIVERMORE LABORATORY

Ecological: HABITAT CONSISTS OF AGRICULTURAL AREAS/HORSE FARMS, WITH VARIOUS EMERGENT SHORT GRASSES, GRAVELLY AREAS NEAR ROADSIDE DITCHES, AND VARIOUS OAKS.

Threat: THREATENED BY TRAFFIC DURING MIGRATION.

General: 1 INDIVIDUAL OBSERVED ON 4 MAR 2001 ON THE ROADWAY.

Owner/Manager: UNKNOWN

Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status

NDDB Element Ranks

Other Lists

Federal: Threatened

Global: G4T2T3

CDFG Status: SC

State: None

State: S2S3

Habitat Associations

General: LOWLANDS & FOOTHILLS IN OR NEAR PERMANENT SOURCES OF DEEP WATER WITH DENSE, SHRUBBY OR EMERGENT RIPARIAN VEGETATION.

Micro: REQUIRES 11-20 WEEKS OF PERMANENT WATER FOR LARVAL DEVELOPMENT. MUST HAVE ACCESS TO ESTIVATION HABITAT.

Occurrence No. 500

Map Index: 47303

EO Index: 47303

Dates Last Seen

Occ Rank: Fair

Element: 2001-03-04

Origin: Natural/Native occurrence

Site: 2001-03-04

Presence: Presumed Extant

Record Last Updated: 2002-02-27

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.68069° / -121.69697°

Township: 03S

UTM: Zone-10 N4171186 E614899

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 12

Qtr: SE

Elevation: 680 ft

Symbol Type:POINT

Meridian: M

Location: ALONG GREENVILLE ROAD, 0.5 MILE SOUTH OF DOUTHERTY LANE, UC LAWRENCE-LIVERMORE LABORATORY

Ecological: HABITAT CONSISTS OF AGRICULTURAL AREAS/HORSE FARMS, WITH VARIOUS EMERGENT SHORT GRASSES, GRAVELLY AREAS NEAR ROADSIDE DITCHES, AND VARIOUS OAKS.

Threat: THREATENED BY TRAFFIC DURING MIGRATION.

General: 1 INDIVIDUAL OBSERVED ON 4 MAR 2001 ON THE ROADWAY.

Owner/Manager: DOE-LAWRENCE LIVERMORE LAB

Occurrence No. 579

Map Index: 49026

EO Index: 49026

Dates Last Seen

Occ Rank: Excellent

Element: 2000-05-18

Origin: Natural/Native occurrence

Site: 2000-05-18

Presence: Presumed Extant

Record Last Updated: 2002-10-15

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.69037° / -121.64594°

Township: 03S

UTM: Zone-10 N4172324 E619383

Range: 03E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 09

Qtr: NE

Elevation: 1,140 ft

Symbol Type:POINT

Meridian: M

Location: 1.6 MILES EAST OF THE INTERSECTION OF PATTERSON PASS ROAD AND FLYNN ROAD, 5.4 MILES EAST OF LIVERMORE

Ecological: HABITAT CONSISTS OF A STOCKPOND, SURROUNDED BY GRAZED, OPEN GRASSLANDS.

Threat: THREATENED BY LIVESTOCK GRAZING (MOST OF THE RIPARIAN VEGETATION HAS BEEN EATEN BY LIVESTOCK).

General: 100'S OF LARVAE OBSERVED/COLLECTED (MRJ #1511) ON 18 MAY 2000 AND DEPOSITED AT CAS.

Owner/Manager: PVT-SWEETWATER RANCH

Occurrence No. 603

Map Index: 50003

EO Index: 50003

Dates Last Seen

Occ Rank: Fair

Element: 2004-09-22

Origin: Natural/Native occurrence

Site: 2004-09-22

Presence: Presumed Extant

Record Last Updated: 2005-06-14

Trend: Unknown

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.70382° / -121.68511°

Township: 03S

UTM: Zone-10 N4173767 E615909

Range: 03E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 06

Qtr: NE

Elevation: 700 ft

Symbol Type:POINT

Meridian: M

Location: SOUTH BAY AQUEDUCT DRAINAGE, MILEPOST 8.80 (DOWNSTREAM), 1 MILE NE OF LAWRENCE LIVERMORE LAB

Location Detail: SITE SBA MP 8.80DS

Ecological: HABITAT CONSISTS OF A CREATED POND INTO WHICH WATER SEEPS; DRAINAGE IS CHOKED WITH TULE AND SOME CATTAILS. POND HAD BEEN RECENTLY CLEARED OF VEGETATION. SURROUNDING AREA IS GRAZED.

General: 6 ADULTS OBSERVED ON 3 OCT 2002. 1 ADULT OBSERVED ON 22 SEP 2004.

Owner/Manager: DWR

Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

Status	NDDB Element Ranks	Other Lists
Federal: Threatened State: None	Global: G4T2T3 State: S2S3	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. 615	Map Index: 50148	EO Index: 50148	Dates Last Seen
Occ Rank: Good			Element: 2002-09-XX
Origin: Natural/Native occurrence			Site: 2002-09-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-02-11
Quad Summary: Altamont (3712166/445B), Byron Hot Springs (3712176/463C) County Summary: Alameda			
Lat/Long: 37.75055° / -121.63478°		Township: 02S	
UTM: Zone-10 N4179015 E620270		Range: 03E	
Radius: 80 meters	Mapping Precision	Section: 22	Qtr: NW
Elevation: 500 ft	SPECIFIC Symbol Type: POINT	Meridian: M	
Location: 0.4 MILE NORTH OF ALTAMONT PASS ROAD, 2.3 MILES SW OF BETHANY RESERVOIR Ecological: HABITAT CONSISTS OF A SCOUR HOLE AT THE DOWNSTREAM END OF A CULVERT UNDER A DIRT ROAD; WATER HOLES ~6' IN DIAMETER AND 2-0-2.5' DEEP. SITE IS VEGETATED BY CATTAILS, PART OF A LARGER SEASONAL WETLAND. Threat: THREATENED BY EROSION DUE TO PAST OVER-GRAZING. General: 9-10 ADULTS OBSERVED IN AUG 2002; 5 METAMORPHS OBSERVED IN SEP 2002. Owner/Manager: PVT			
Occurrence No. 616	Map Index: 50156	EO Index: 50156	Dates Last Seen
Occ Rank: Excellent			Element: 2002-12-13
Origin: Natural/Native occurrence			Site: 2002-12-13
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2003-02-11
Quad Summary: Altamont (3712166/445B) County Summary: Alameda			
Lat/Long: 37.73901° / -121.67157°		Township: 02S	
UTM: Zone-10 N4177688 E617047		Range: 03E	
Radius: 80 meters	Mapping Precision	Section: 20	Qtr: SW
Elevation: 740 ft	SPECIFIC Symbol Type: POINT	Meridian: M	
Location: ALTAMONT CREEK VICINITY, WHERE DYER ROAD AND ALTAMONT PASS ROAD INTERSECT, 4 MILES EAST OF LIVERMORE Ecological: HABITAT CONSISTS OF GRAZED GRASSLANDS/SEASONAL WETLANDS AND ALTAMONT CREEK. General: 1 ADULT FROG OBSERVED ON 13 DEC 2002. Owner/Manager: PVT			
Occurrence No. 646	Map Index: 51485	EO Index: 51485	Dates Last Seen
Occ Rank: Good			Element: 2002-03-06
Origin: Natural/Native occurrence			Site: 2002-03-06
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2006-10-17
Quad Summary: Altamont (3712166/445B) County Summary: Alameda			
Lat/Long: 37.69676° / -121.71522°		Township: 03S	
UTM: Zone-10 N4172948 E613264		Range: 02E	
Area:	Mapping Precision	Section: 02	Qtr: XX
Elevation: 575 ft	NON-SPECIFIC Symbol Type: POLYGON	Meridian: M	
Location: ARROYO LAS POSITAS AND FLOOD CONTROL CHANNEL LINE P-1, LIVERMORE Location Detail: 46 FROGS WERE RELOCATED DURING 2000 TO A DOWNSTREAM LOCATION IN LINE P-1 IN SUPPORT OF A CHANNEL REPAIR PROJECT. CRLF LIKELY REMAIN IN THIS CHANNEL DURING SUMMER MONTHS TO PERSIST AT THIS LOCATION. Ecological: HABITAT CONSISTS OF A FLOOD CONTRL CHANNEL, BORDERED TO THE NORTH BY SPRR TRACKS, TO THE EAST BY GREENVILLE ROAD, AND TO THE SOUTH BY RESIDENTIAL DEVELOPMENT (UNDER CONSTRUCTION IN 2000). Threat: THREATENED BY ADJACENT DEVELOPMENT, FERAL CATS, AND CHANNEL MAINTENANCE ACTIVITIES. General: 1 CAPTURED/RELEASED 10 & 21 SEP 1998 & 17 FEB 1999. 46 INDIVS (INCLUDING 9 ADULTS & 34 JUVS) CAPTURED & RELOCATED FROM 29 SEP-15 OCT 2000. 33 EGG MASSES OBS ALONG THE NORTH BOUNDARY OF LAWRENCE LIVERMORE NATIONAL LABORATORY 6 MAR 2002. Owner/Manager: ALA COUNTY			

Rana aurora draytonii

California red-legged frog

Element Code: AAABH01022

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

Habitat Associations

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

Occurrence No.	Map Index:	EO Index:	Dates Last Seen
786	59108	59144	
Occ Rank: Excellent			Element: 2004-05-25
Origin: Natural/Native occurrence			Site: 2004-05-25
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2005-01-04

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.67181° / -121.70076°	Township: 03S
UTM: Zone-10 N4170197 E614578	Range: 02E
Area:	Section: 13
Elevation: 620 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: SE
Symbol Type: POLYGON	

Location: ARROYO SECO CREEK, ON THE EAST SIDE OF SANDIA NATIONAL LAB, 3 MILES EAST OF LIVERMORE

Ecological: HABITAT CONSISTS OF SMALL POOLS CREATED WHEN THE STREAM DRIES UP (WATER IS PRESENT FOR ~6 MONTHS PER YEAR), WITHIN RIPARIAN, DOMINATED BY WILLOW, SYCAMORE, AND COTTONWOOD.

General: 6 ADULTS OBSERVED ON 25 MAY 2004.

Owner/Manager: DOE-SANDIA NATIONAL LABS

Spea hammondii

western spadefoot

Element Code: AAABF02020

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G3

CDFG Status: SC

State: None

State: S3

Habitat Associations

General: OCCURS PRIMARILY IN GRASSLAND HABITATS, BUT CAN BE FOUND IN VALLEY-FOOTHILL HARDWOOD WOODLANDS.

Micro: VERNAL POOLS ARE ESSENTIAL FOR BREEDING AND EGG-LAYING.

Occurrence No. 339

Map Index: 63666

EO Index: 63761

Dates Last Seen

Occ Rank: Poor

Element: 2004-10-23

Origin: Natural/Native occurrence

Site: 2004-10-23

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2006-01-12

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.67523° / -121.70132°

Township: 03S

UTM: Zone-10 N4170575 E614523

Range: 02E

Radius: 80 meters

Mapping PrecisionSPECIFIC

Section: 13

Qtr: SW

Elevation: 680 ft

Symbol Type:POINT

Meridian: M

Location: SANDIA NATIONAL LAB, EAST OF LIVERMORE

General: DURING A RAIN EVENT, 1 ADULT WAS FOUND AT THE BOTTOM OF THE LEC (LIQUID EFFLUENT CONTAINMENT) TANK ON 23 OCT 2004; IT WAS RELOCATED TO THE SURROUNDING ARROYO.

Owner/Manager: DOE-SANDIA NATIONAL LABS

Sycamore Alluvial Woodland

Status		NDDB Element Ranks		Element Code: CTT62100CA	Other Lists
Federal: None		Global: G1			
State: None		State: S1.1			
Habitat Associations					
General:					
Micro:					

Occurrence No. 14	Map Index: 22693	EO Index: 8280	Dates Last Seen		
Occ Rank: Poor			Element:	1992-10-12	
Origin: Natural/Native occurrence			Site:	1992-10-12	
Presence: Presumed Extant			Record Last Updated: 1998-07-21		
Trend: Unknown					
Quad Summary: Mendenhall Springs (3712156/445C), Altamont (3712166/445B)					
County Summary: Alameda					
Lat/Long: 37.65417° / -121.72525°			Township:	03S	
UTM: Zone-10 N4168210 E612445			Range:	02E	
Area: 87.4 acres			Mapping Precision: SPECIFIC	Section: 26	Qtr: E
Elevation: 680 ft			Symbol Type: POLYGON	Meridian: M	
Location: ARROYO MOCHO, SOUTH OF LIVERMORE. APPROX 2 MI SSW OF LAWRENCE LIVERMORE LAB, ALAMEDA COUNTY.					
Location Detail: LINEAR BAND OF PLANTANUS RACEMOSA DOMINATED WOODLAND ALONG ARROYO MOCHO EXTENDING FOR OVER 2 MI FROM THE SW 1/4 OF THE SE 1/4 OF SECTION 36 NORTH ALONG MINES RD TO THE NE EDGE OF SECTION 22. THIS WAS OCC #014 OF CTT62100CA.					
Ecological: BAND OF SYCAMORE DOMINANCE NOT GREATER THAN 50 TO 100 METERS WIDE WITH SIGNIFICANT PRESENCE OF QUERCUS LOBATA. SYCAMORES SMALL TO MEDIUM SIZED & MULTI-STEMMED. CREEK VARIES FROM BRAIDED TO SINGLE MAIN CHANNEL (CHANNELIZED AT LOWER END).					
Threat: GRAZING, AGRICULTURE, DAMMING, ROAD CROSSINGS, POWER LINE ACCESS, AND RESIDENTIAL DEVELOPMENT THREATEN THIS. OCCURRENCE.					
General: SEDIMENTARY DERIVED ALLUVIUM FROM FRANCISCAN ROCKS. NO SEEDLINGS OR SAPLINGS OBSERVED. EVIDENCE OF ANTHRACNOSE PRESENT. SURROUNDED BY VINEYARDS AT LOWER END; BY ANNUAL GRASSLAND & QUERCUS DOUGLASII AT UPPER END.					
Owner/Manager: PVT					

Taxidea taxus

American badger

Element Code: AMAJF04010

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

Habitat Associations

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

Occurrence No. 61	Map Index: 56565	EO Index: 56581	Dates Last Seen
Occ Rank: Unknown			Element: 1987-08-19
Origin: Natural/Native occurrence			Site: 1987-08-19
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2004-08-31

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.70401° / -121.65392°	Township: 03S
UTM: Zone-10 N4173827 E618657	Range: 03E
Radius: 1 mile	Section: 04
Elevation: 1,300 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: FLYNN ROAD BETWEEN PATTERSON PASS ROAD AND HIGHWAY 580, APPROXIMATELY 6 MILES EAST OF LIVERMORE.

Location Detail: LOCATION GIVEN AS 5 MILES EAST OF LIVERMORE SOUTH OF HWY 580, WHERE FLYNN ROAD GOES INTO PRIVATE PROPERTY. NEAR MULQUEENY WIND FARM AREA.

Ecological: HABITAT CONSISTS OF DRY, SHORT GRASS.

General: INDIVIDUAL OBSERVED AT NIGHT, BY SPOTLIGHT, WALKING UP HILL ON A TRAIL SEARCHING FOR FOOD, 18-19 AUG 1987.

Owner/Manager: PVT?, UNKNOWN

Occurrence No. 62	Map Index: 56567	EO Index: 56583	Dates Last Seen
Occ Rank: Unknown			Element: 1988-02-05
Origin: Natural/Native occurrence			Site: 1988-02-05
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 2004-08-31

Quad Summary: Midway (3712165/445A), Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.71410° / -121.61033°	Township: 02S
UTM: Zone-10 N4175003 E622484	Range: 03E
Radius: 1 mile	Section: 35
Elevation: 700 ft	Meridian: M
Mapping Precision: NON-SPECIFIC	Qtr: XX
Symbol Type: POINT	

Location: AREA WEST OF WESTERN PACIFIC RAILROAD, APPROX 4 MILES WEST OF THE INTERSECTION OF PATTERSON PASS ROAD AND HIGHWAY

Location Detail: LOCATION GIVEN (AND MAPPED AS) APPROX 4 MILES WEST OF PATTERSON PASS ROAD AND HWY 580 ON MULQUEENY RANCH.

Ecological: HABITAT CONSISTS OF DRY PASTURE, ROLLING HILLS.

General: INDIVIDUAL WAS CAPTURED AND RELEASED (UNHARMED) ON 5 FEB 1988.

Owner/Manager: PVT

Trifolium depauperatum var. hydrophilum

saline clover

Element Code: PDFAB400R5

Status

NDDB Element Ranks

Other Lists

Federal: None

Global: G5T2?

CNPS List: 1B.2

State: None

State: S2.2?

Habitat Associations

General: MARSHES AND SWAMPS, VALLEY AND FOOTHILL GRASSLAND, VERNAL POOLS.

Micro: MESIC, ALKALINE SITES. 0-300M.

Occurrence No. 6

Map Index: 49391

EO Index: 49391

Dates Last Seen

Occ Rank: Unknown

Element: XXXX-XX-XX

Origin: Natural/Native occurrence

Site: XXXX-XX-XX

Presence: Presumed Extant

Record Last Updated: 2002-11-14

Trend: Unknown

Quad Summary: Altamont (3712166/445B), Livermore (3712167/446A)

County Summary: Alameda

Lat/Long: 37.68150° / -121.76696°

Township: 03S

UTM: Zone-10 N4171193 E608726

Range: 02E

Radius: 1 mile

Mapping PrecisionNON-SPECIFIC

Section: 09

Qtr: XX

Elevation:

Symbol Type:POINT

Meridian: M

Location: LIVERMORE.

Location Detail: LOCATION INFORMATION IS VAGUE.

General: ONLY SOURCE OF INFORMATION IS REFERENCE BY D. LAKE TO B. ERTTER SIGHTING. NEEDS FIELDWORK.

Owner/Manager: UNKNOWN

Tropidocarpum capparideum

caper-fruited tropidocarpum

Element Code: PDBRA2R010

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

Habitat Associations

General: VALLEY AND FOOTHILL GRASSLAND.

Micro: ALKALINE CLAY. 0-455M.

Occurrence No. 11	Map Index: 36869	EO Index: 31866	Dates Last Seen
Occ Rank: Unknown			Element: 1897-03-XX
Origin: Natural/Native occurrence			Site: 1897-03-XX
Presence: Presumed Extant			
Trend: Unknown			Record Last Updated: 1997-09-25

Quad Summary: Altamont (3712166/445B), Midway (3712165/445A), Livermore (3712167/446A), Byron Hot Springs (3712176/463C), Tassajara (3712177/464D)

County Summary: Alameda

Lat/Long: 37.70048° / -121.71632°	Township: 03S
UTM: Zone-10 N4173359 E613163	Range: 02E
Radius: 5 mile	Mapping PrecisionNON-SPECIFIC
Elevation: 540 ft	Symbol Type:POINT
	Section: 02
	Meridian: M
	Qtr: XX

Location: BY RAILROAD EAST OF LIVERMORE.

General: ABOVE LOCATION DESCRIPTION IS ONLY INFORMATION. NO ELEVATION GIVEN ON HERBARIUM LABEL. SURVEYS NEEDED TO DETERMINE IF SUITABLE HABITAT EXISTS.

Owner/Manager: UNKNOWN

Valley Sink Scrub

Element Code: CTT36210CA

Status	NDDB Element Ranks	Other Lists
Federal: None	Global: G1	
State: None	State: S1.1	
Habitat Associations		
General:		
Micro:		

Occurrence No. 18 Map Index: 10697 EO Index: 25409 Dates Last Seen

Occ Rank: Unknown Element: 1986-06-05

Origin: Natural/Native occurrence Site: 1986-06-05

Presence: Presumed Extant

Trend: Unknown Record Last Updated: 1998-07-14

Quad Summary: Livermore (3712167/446A), Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.72492° / -121.73968° Township: 02S

UTM: Zone-10 N4176042 E611067 Range: 02E

Radius: 1 mile Mapping Precision: NON-SPECIFIC Section: 27 Qtr: SE

Elevation: 510 ft Symbol Type: POINT Meridian: M

Location: WEST OF BROADMOOR STREET AND SOUTH OF RAYMOND ROAD, NORTHEAST OF LIVERMORE.

Location Detail: SITE IS ADJACENT TO A HOUSING DEVELOPMENT. REPORTED TO BE WITHIN THE SE 1/4 OF SECTION 27 BUT MAY ACTUALLY BE IN THE SW

Ecological: ALLENROLFEA OCCIDENTALIS SCRUB W/ALKALINE BARRENS, SCATTERED CLAYPAN VERNAL POOLS & INTERMITTENT DRAINAGES. W/FRANKENIA, SALICORNIA, LASTHENIA, HORDEUM GENICULATUM. RARE TAXA INCL CORDYLANTHUS MOLLIS HISPIDUS & C. PALMATUS.

General: THIS WAS OCC #018 OF CTT36210CA.

Owner/Manager: CITY OF LIVERMORE

Occurrence No. 24 Map Index: 10933 EO Index: 16331 Dates Last Seen

Occ Rank: Unknown Element: 1987-04-14

Origin: Natural/Native occurrence Site: 1987-04-14

Presence: Presumed Extant

Trend: Unknown Record Last Updated: 1998-07-14

Quad Summary: Midway (3712165/445A), Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.74328° / -121.62548° Township: 02S

UTM: Zone-10 N4178221 E621101 Range: 03E

Area: 32.4 acres Mapping Precision: SPECIFIC Section: 23 Qtr: SW

Elevation: 480 ft Symbol Type: POLYGON Meridian: M

Location: NORTH OF ALTAMONT PASS RD FROM 1.5-3.2 MI EAST OF SUMMIT SCHOOL.

Location Detail: ALONG CREEK.

Ecological: VALLEY SINK SCRUB W/ ALLENROLFEA, CYPERUS, SUAEDA, FRANKENIA & OTHERS.

Threat: MODERATE LIVESTOCK GRAZING MAY HAVE SOME NEGATIVE IMPACT ON VEG.

General: THIS WAS OCC #024 OF CTT36210CA.

Owner/Manager: UNKNOWN

Vulpes macrotis mutica

San Joaquin kit fox

Element Code: AMAJA03041

Status

NDDB Element Ranks

Other Lists

Federal: Endangered

Global: G4T2T3

CDFG Status:

State: Threatened

State: S2S3

Habitat Associations

General: ANNUAL GRASSLANDS OR GRASSY OPEN STAGES WITH SCATTERED SHRUBBY VEGETATION.

Micro: NEED LOOSE-TEXTURED SANDY SOILS FOR BURROWING, AND SUITABLE PREY BASE.

Occurrence No. 43

Map Index: 48825

EO Index: 48825

Dates Last Seen

Occ Rank: Unknown

Element: 1989-06-XX

Origin: Natural/Native occurrence

Site: 1989-06-XX

Presence: Presumed Extant

Trend: Unknown

Record Last Updated: 2002-09-19

Quad Summary: Altamont (3712166/445B)

County Summary: Alameda

Lat/Long: 37.70054° / -121.66142°

Township: 03S

UTM: Zone-10 N4173433 E618002

Range: 03E

Area:

Mapping PrecisionNON-SPECIFIC

Section: 05

Qtr: SE

Elevation: 940 ft

Symbol Type:POLYGON

Meridian: M

Location: 2.5 MILES NE OF LAWRENCE RADIATION LABORATORY; 1.0 MILE EAST ALONG SOUTH FLYNN ROAD FROM PATTERSON PASS ROAD.

Location Detail:A DEN (ON HILLSIDE SLOPE OF 15%) AND 4 INDIVIDUALS OBSERVED 100 FEET FROM ROAD.

Ecological: HABITAT CONSISTS OF HILLSIDE PASTURE DOMINATED BY NON-NAITVE GRASSES WITH OTHER PLANT SPECIES. SURROUNDING AREA COMPRISED OF GRAZED PASTURE.

Threat: THREATS INCLUDE GRAZING, TILLING OF SOIL AND VEHICULAR TRAFFIC.

General: 1 DEN, 2 ADULTS AND 2 JUVENILES OBSERVED DURING JUNE OF 1989.

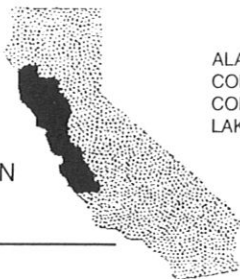
Owner/Manager: UNKNOWN



APPENDIX D CULTURAL RESOURCES



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MEMO

Date: 13 December 2007

To: John Nadolski, Pacific Municipal Consultants, 2729 Prospect Park Drive, Suite 220, Rancho Cordova, CA 95670

From: Lisa Hagel

Re: Arroyo Las Positas Weir, NWIC File #: 07-0780

Livermore 7.5'

Sites in or within 1/4 mile radius of the project area: There were no recorded sites within the project area or within 1/4 mile of the project.

Studies in or within 1/4 mile radius of the project area: S-30512, 31701, & 33555 are within or adjacent to the project area. S-20335, 14394, 2936, & 7101 are within 1/4 mile. Enclosed are bibliographic references for the reports. The study locations are plotted on your map.

OHP Historic Properties Directory: Copied the indices for Livermore.

California Inventory of Historical Resources: Copied the index pages with listings in the Livermore vicinity.

Historic maps (copied the pertinent sections of the maps):

1869 Rancho Las Positas Plat Map

1878 Thompson & West, Historical Atlas Map of Alameda County, California

1906 (reprinted 1923) USGS Napa Quadrangle

Nothing was shown in the vicinity of the project on the 1871, 1874, & 1875 GLO Plat Maps, T3S, R2E

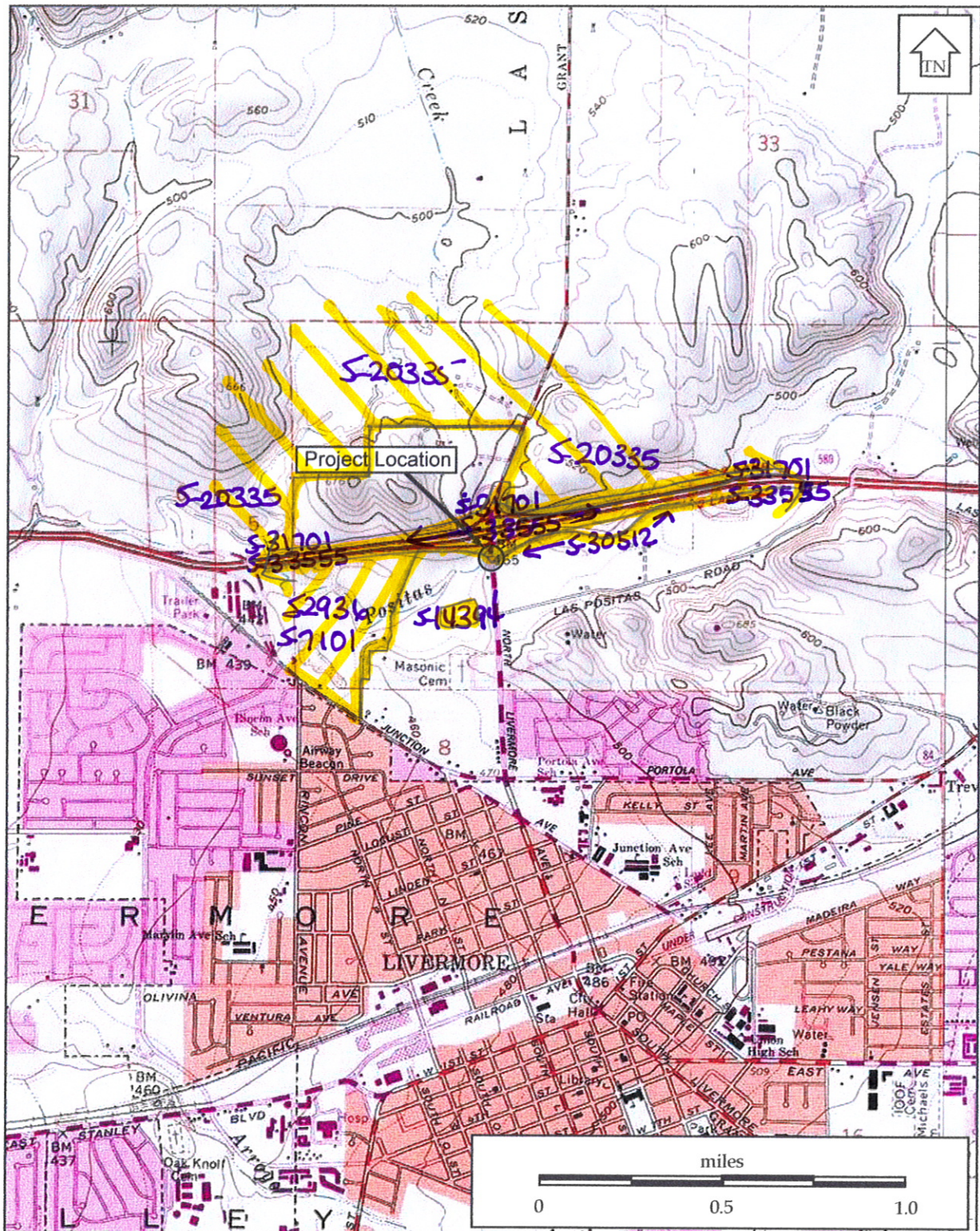


Figure 2. Project Location Map.

SOURCE: National Geographic TOPOI; San Francisco CD; 2003 showing the Livermore, Ca. quadrangle; T3S, R2E MDBM.

Northwest Information Center Report Detail Record: S-002936

Citation Information

Authors: Donald P. Miller

Year: 1976

Title: An archaeological survey of the Andersen property, Livermore area, Alameda County (letter report).

Originator: Quarternary Research Group

No. Pages: 2

No. Maps: 1

Report Type(s): Archaeological survey

Inventory Size: c 52 ac

No. Sites: 1

No. Informal:

Collections:

Disclosure: Not for publication

Associated Resources

<i>Primary No.</i>	<i>HRI No.</i>	<i>Trinomial</i>	<i>Name</i>
P-01-002108		CA-ALA-430/H	Robert Livermore Adobe Site

Notes

CA-ALA-430/H is within the project area, although it was not identified in this report.

Location Info

County(ies): Alameda

USGS 7.5' Quads: Livermore

Address:

Database Record Metadata

<i>Date</i>	<i>User</i>
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<i>Entered:</i> 4/7/2005	nwic-main
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<i>Last Modified:</i> 12/13/2007	hagell
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<i>IC Actions:</i>	<i>Date</i>	<i>User</i>	<i>Action taken</i>
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	4/7/2005	jay	Appended records from NWICmain bibliographic database.
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Northwest Information Center Report Detail Record: S-007101

Citation Information

Authors: Miley Paul Holman

Year: 1984

Title: Anderson Tract Development Area, Archaeological Research (letter report)

Originator: Holman & Associates

No. Pages: 6

No. Maps: 2

Report Type(s): Archaeological survey

Inventory Size:

No. Sites: 1

No. Informal:

Collections:

Disclosure: Not for publication

Associated Resources

<i>Primary No.</i>	<i>HRI No.</i>	<i>Trinomial</i>	<i>Name</i>
P-01-002108		CA-ALA-430/H	Robert Livermore Adobe Site

Notes

Location Info

County(ies): Alameda

USGS 7.5' Quads: Livermore

Address:

Database Record Metadata

<i>Date</i>	<i>User</i>	
<i>Entered:</i> 4/7/2005	nwic-main	
<i>Last Modified:</i> 10/23/2006	lisa	
<i>IC Actions:</i>	<i>Date</i>	<i>User</i>
	4/7/2005	jay
		Action taken
		Appended records from NWICmain bibliographic database.

Northwest Information Center Report Detail Record: S-014394

Citation Information

Authors: Michael Stoyka III

Year: 1991

Title: Cultural Resources Assessment, Livermore Carrier Annex, Livermore, Alameda County, California (letter report)

Originator: Archaeological Services, Inc.

No. Pages: 2

No. Maps: 2

Report Type(s): Archaeological survey

Inventory Size: c 4.6 ac

No. Sites: 0

No. Informal:

Collections:

Disclosure: Not for publication

Associated Resources

Notes

Location Info

County(ies): Alameda

USGS 7.5' Quads: Livermore

Address:

Database Record Metadata

	<i>Date</i>	<i>User</i>	
<i>Entered:</i>	4/7/2005	nwic-main	
<i>Last Modified:</i>	10/23/2006	lisa	
<i>IC Actions:</i>	<i>Date</i>	<i>User</i>	<i>Action taken</i>
	4/7/2005	jay	Appended records from NWICmain bibliographic database.

Northwest Information Center Report Detail Record: S-020335

Citation Information

Authors: Randy S. Wiberg
Randall Dean
Miley P. Holman

Year: 1998

Title: A Cultural Resources Study for the North Livermore Master Plan/Specific Plan, Environmental Impact Report, Alameda County, California

Originator: Holman & Associates

No. Pages: 78

No. Maps: 7

Report Type(s): Archaeological survey

Inventory Size: c 5275 ac

No. Sites: 37

No. Informal:

Collections:

Disclosure: Not for publication

Associated Resources

<i>Primary No.</i>	<i>HRI No.</i>	<i>Trinomial</i>	<i>Name</i>
P-01-000067		CA-ALA-47	
P-01-002197			A-4 / WELL HOUSE
P-01-002200			A-7
P-01-002201			A-8
P-01-002202			A-9

Notes

31 unrecorded historic resources; 1 unrecorded prehistoric isolate.

Location Info

County(ies): Alameda

USGS 7.5' Quads: Altamont

Byron Hot Springs

Livermore

Tassajara

Address:

Database Record Metadata

<i>Date</i>	<i>User</i>
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Entered: 4/7/2005 nwic-main

Last Modified: 10/23/2006 lisa

<i>IC Actions:</i>	<i>Date</i>	<i>User</i>	<i>Action taken</i>
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	4/7/2005	jay	Appended records from NWICmain bibliographic database.
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Northwest Information Center Report Detail Record: S-030512

Citation Information

Authors: E. Timothy Jones
Ben Matzen

Year: 2005

Title: A Cultural and Paleontological Resource Study for the Arroyo Las Positas Trail Extension Project.

Originator: LSA Associates, Inc

No. Pages: 12

No. Maps: 2

Report Type(s): Archaeological survey
Other

Inventory Size: c 0.5 li mi

No. Sites: 0

No. Informal:

Collections:

Disclosure: Not for publication

Associated Resources

Notes

Location Info

County(ies): Alameda

USGS 7.5' Quads: Livermore

Address:

Database Record Metadata

Date *User*

Entered: 10/13/2005 kellyn

Last Modified: 10/23/2006 lisa

IC Actions:

Northwest Information Center Report Detail Record: S-031701

Citation Information

Authors: Parsons

Jeffrey Rosenthal

Brian F. Byrd

Toni Webb

Year: 2006

Title: I-580 Eastbound HOV Lane Project: Hacienda Drive to East of Greenville Road, 04-Ala-580 KP 12.6/30.7 (PM R7.8/19.1), EA 04258-290810, Alameda County, California

Originator: Parsons, Far Western Anthropological Research Group, Inc., JRP Historical Consulting

No. Pages: 278

No. Maps:

Report Type(s): Archaeological survey

Architectural survey

Geoarchaeology

Inventory Size: c 11.5 li mi

No. Sites: 7

No. Informal:

Collections:

Disclosure: Not for publication

Associated Resources

<i>Primary No.</i>	<i>HRI No.</i>	<i>Trinomial</i>	<i>Name</i>
P-01-000262			Map Reference Number 6A
P-01-000263			Map Reference Number 7
P-01-002197			A-4 / WELL HOUSE
P-01-002204			GANDOLFO RANCH (#4)
P-01-010779			
P-01-010780			
P-01-010781			

Notes

C-1396 may extend into the project area. 47 buildings were evaluated.

Location Info

County(ies): Alameda

USGS 7.5' Quads: Altamont

Dublin

Livermore

Address:

Database Record Metadata

Date *User*

Entered: 7/27/2006 lisa

Last Modified: 10/23/2006 lisa

IC Actions:

Northwest Information Center Report Detail Record: S-033555

Citation Information

Authors: Jeffrey Rosenthal
Brian F. Byrd

Year: 2006

Title: Archaeological Survey Report for the I-580 Eastbound High Occupancy Vehicle Lane Project, East of Greenville Road to Hacienda Drive, Livermore Valley, Alameda County, California, 4-ALA-580, K.P. R12.6/30.7 (P.M. R7.8/19.1) EA 04258-290810

Originator: Far Western Anthropological Research Group, Inc.

No. Pages: 178

No. Maps:

Report Type(s): Archaeological survey

Inventory Size: c 503 ac

No. Sites:

No. Informal: 1

Collections:

Disclosure: Not for publication

Associated Resources

Notes

c-1396 (reported prehistoric midden) extends into the project area

Location Info

County(ies): Alameda

USGS 7.5' Quads: Altamont
Livermore

Address:

Database Record Metadata

Date *User*

Entered: 9/24/2007 guldenj

Last Modified: 12/13/2007 hagell

IC Actions:

STATE OF CALIFORNIAArnold Schwarzenegger, Governor**NATIVE AMERICAN HERITAGE COMMISSION**

915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-4082
Fax (916) 657-5380
Web Site www.nahc.ca.gov



December 7, 2007

John Nadolski
Cultural Resources specialist
PMC

Sent by Fax: 916-361-1574
Number of Pages: 2

Re: Proposed Arroyo Las Positas Weir project, Alameda County.

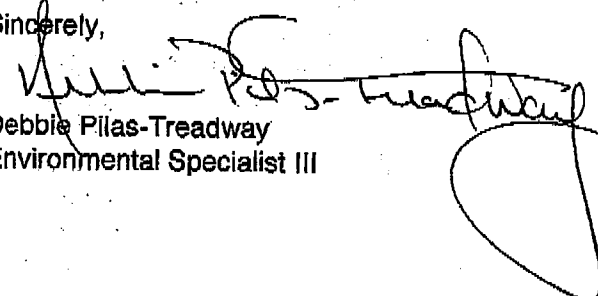
Dear Mr. Nadolski:

A record search of the sacred land file has failed to indicate the presence of Native American cultural resources in the immediate project area. The absence of specific site information in the sacred lands file does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Enclosed is a list of Native Americans individuals/organizations who may have knowledge of cultural resources in the project area. The Commission makes no recommendation or preference of a single individual, or group over another. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated, if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe or group. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at (916) 653-4038.

Sincerely,


Debbie Pilas-Treadway
Environmental Specialist III

Native American ContactsAlameda County
December 4, 2007

✓ Jakki Kehl 720 North 2nd Street Patterson , CA 95363 jakki@bigvalley.net (209) 892-2436 (209) 892-2435 - Fax	Ohlone/Costanoan	Indian Canyon Mutsun Band of Costanoan Ann Marie Sayers, Chairperson P.O. Box 28 Hollister , CA 95024 ams@garlic.com 831-637-4238	Ohlone/Costanoan
✓ Katherine Erolinda Perez PO Box 717 Linden , CA 95236 (209) 887-3415	Ohlone/Costanoan Northern Valley Yokuts Bay Miwok	Muwekma Ohlone Indian Tribe of the SF Bay Area Rosemary Cambra, Chairperson PO Box 360791 Milpitas , CA 95036 muwekma@muwekma.org 408-434-1668 408-434-1673	Ohlone / Costanoan
✓ Amah/Mutsun Tribal Band Michelle Zimmer, Cultural Resource Cor P O Box 3892 Clear Lake , CA 95422 408-375-4281	Ohlone/Costanoan	The Ohlone Indian Tribe Andrew Galvan PO Box 3152 Mission San Jose , CA 94539 chochenyo@AOL.com (510) 656-0787 - Voice (510) 882-0527 - Cell (510) 687-9393 - Fax	Ohlone/Costanoan Bay Miwok Plains Miwok Patwin
✓ Amah/Mutsun Tribal Band Irene Zwierlein, Chairperson 789 Canada Road Woodside , CA 94062 amah_mutsun@yahoo.com (650) 851-7747 - Home (650) 851-7489 - Fax	Ohlone/Costanoan	Trina Marine Ruano Family Ramona Garibay, Representative 16010 Halmar Lane Lathrop , CA 95330 510-300-5971 - cell	Ohlone/Costanoan Bay Miwok Plains Miwok Patwin

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed Arroyo Las Positas Weir project, Alameda County.



December 11, 2007

Jakki Kehl,

720 North 2nd Street
Patterson, CA 95363

RE: ARROYO LAS POSITAS WEIR PROJECT, ALAMEDA COUNTY

Dear Ms. Kehl:

I obtained your name from the Native American Heritage Commission in order to inform you of the Arroyo Las Positas Weir project in Alameda County. The project consists of replacing a weir across Los Positas Creek under the North Livermore Avenue Bridge in Livermore. The project area is indicated on the enclosed map.

We are seeking information from Native American representatives in the area regarding the existence of sites within the project area. Thank you for your cooperation in this matter. Please do not hesitate to call me if you have any questions or concerns.

Sincerely,

John Nadolski
Cultural Resources Specialist

Enclosure: Project Area Map

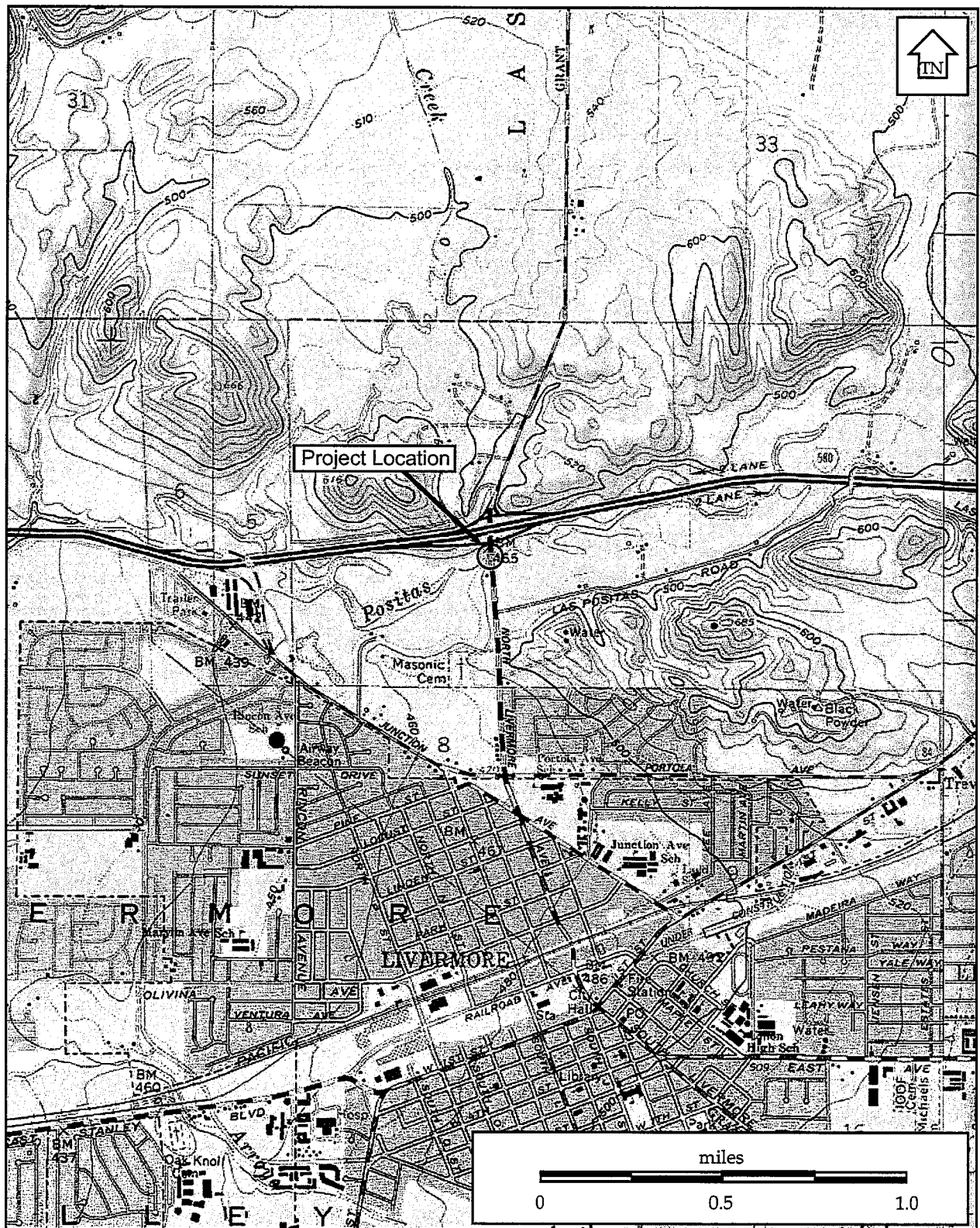


Figure 2. Project Location Map.

SOURCE: National Geographic TOPOI; San Francisco CD; 2003 showing the Livermore, Ca. quadrangle; T3S, R2E MDBM.



December 11, 2007

Katherine Erolinda Perez,

P.O. Box 717
Linden, CA 95236

RE: ARROYO LAS POSITAS WEIR PROJECT, ALAMEDA COUNTY

Dear Ms. Perez:

I obtained your name from the Native American Heritage Commission in order to inform you of the Arroyo Las Positas Weir project in Alameda County. The project consists of replacing a weir across Los Positas Creek under the North Livermore Avenue Bridge in Livermore. The project area is indicated on the enclosed map.

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Sincerely,

John Nadolski
Cultural Resources Specialist

Enclosure: Project Area Map

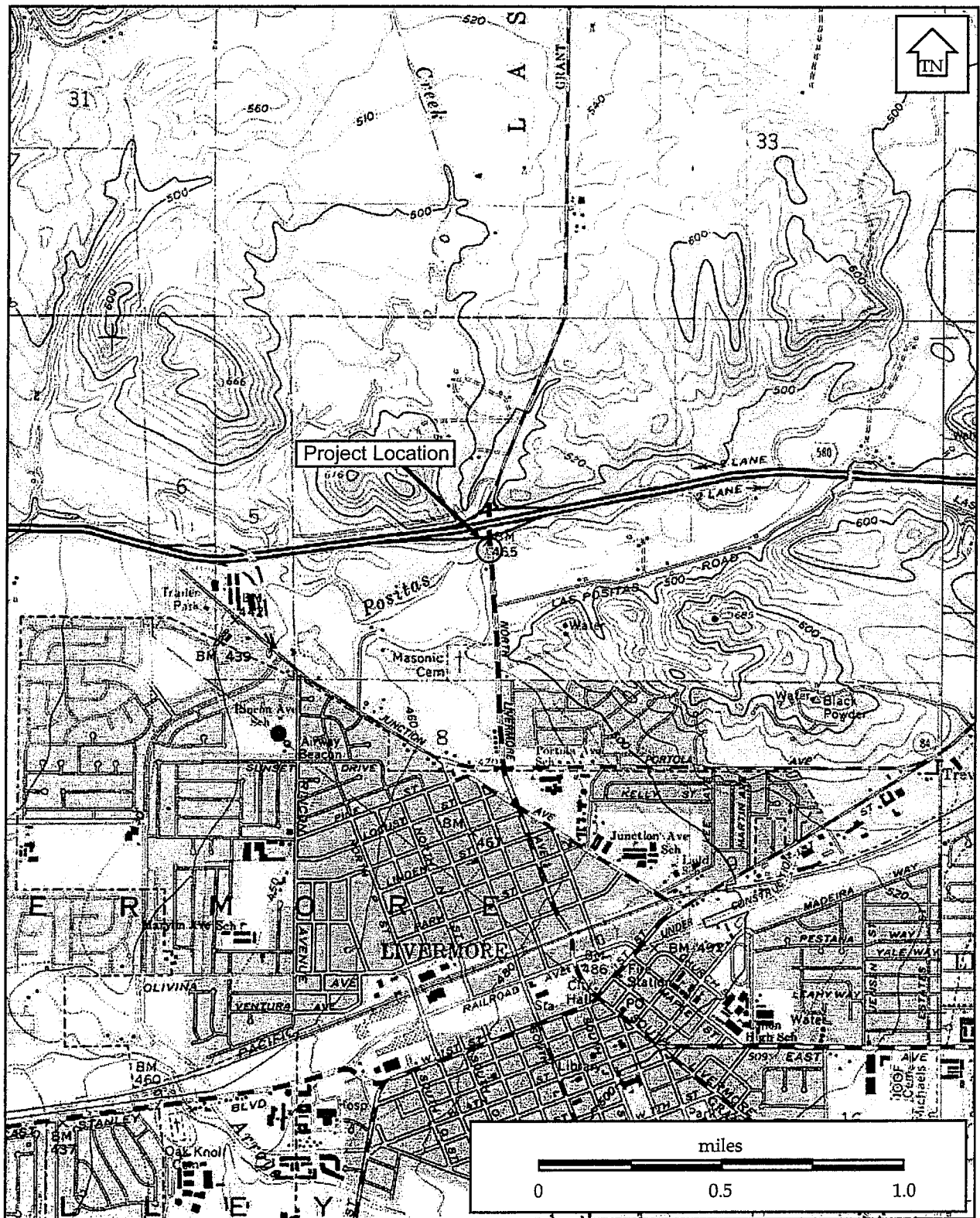


Figure 2. Project Location Map.

SOURCE: National Geographic TOPOI; San Francisco CD; 2003 showing the Livermore, Ca. quadrangle; T3S, R2E MDBM.



December 11, 2007

Michelle Zimmer, Cultural Resources Coordinator
AMAH/MUTSUN TRIBAL BAND
P.O. Box 3892
Clear Lake, CA 95422

RE: ARROYO LAS POSITAS WEIR PROJECT, ALAMEDA COUNTY

Dear Ms. Zimmer:

I obtained your name from the Native American Heritage Commission in order to inform you of the Arroyo Las Positas Weir project in Alameda County. The project consists of replacing a weir across Los Positas Creek under the North Livermore Avenue Bridge in Livermore. The project area is indicated on the enclosed map.

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Sincerely,

John Nadolski
Cultural Resources Specialist

Enclosure: Project Area Map

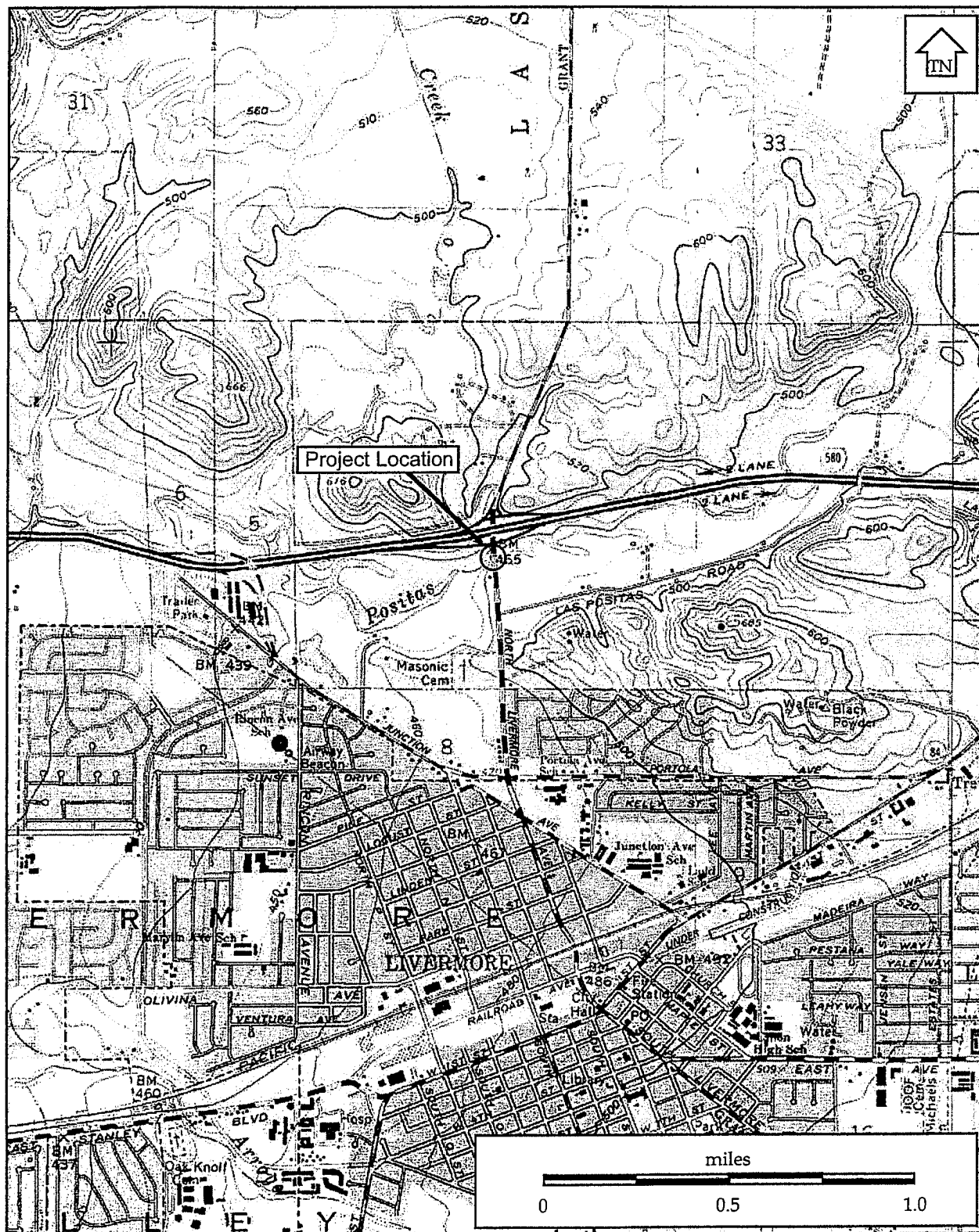


Figure 2. Project Location Map.

SOURCE: National Geographic TOPOI; San Francisco CD; 2003 showing the Livermore, Ca. quadrangle; T3S, R2E MDBM.



December 11, 2007

Irene Zwierlein, Chairperson
AMAH/MUTSUN TRIBAL BAND
789 Canada Road
Woodside, CA 94062

RE: ARROYO LAS POSITAS WEIR PROJECT, ALAMEDA COUNTY

Dear Ms. Zwierlein:

I obtained your name from the Native American Heritage Commission in order to inform you of the Arroyo Las Positas Weir project in Alameda County. The project consists of replacing a weir across Los Positas Creek under the North Livermore Avenue Bridge in Livermore. The project area is indicated on the enclosed map.

We are seeking information from Native American representatives in the area regarding the existence of sites within the project area. Thank you for your cooperation in this matter. Please do not hesitate to call me if you have any questions or concerns.

Sincerely,

John Nadolski
Cultural Resources Specialist

Enclosure: Project Area Map

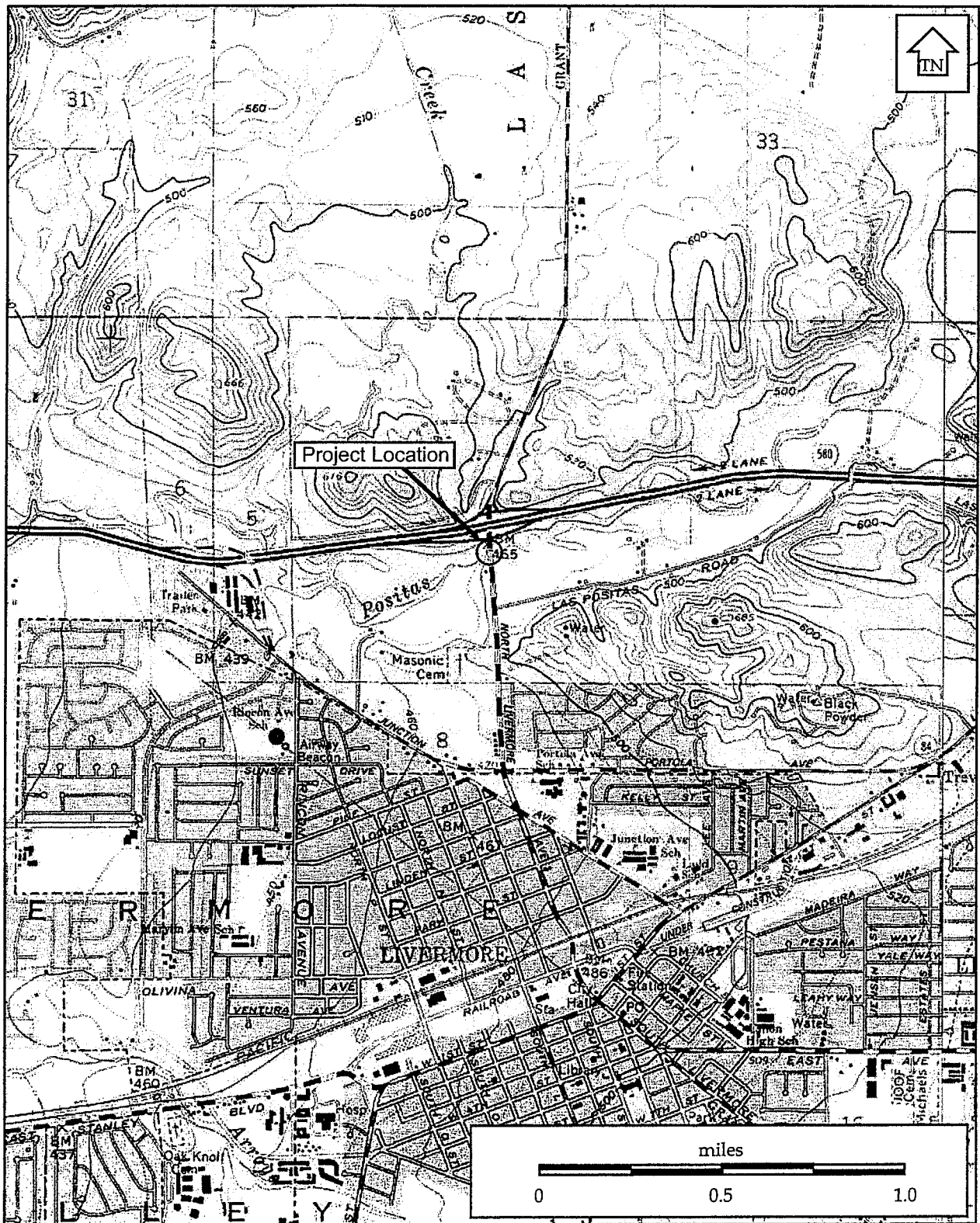


Figure 2. Project Location Map.

SOURCE: National Geographic TOPOI; San Francisco CD; 2003 showing the Livermore, Ca. quadrangle; T3S, R2E MDBM.



December 11, 2007

Ann Marie Sayers, Chairperson
INDIAN CANYON MUTSUN BAND OF COSTANOAN
P.O. Box 28
Hollister, CA 95024

RE: ARROYO LAS POSITAS WEIR PROJECT, ALAMEDA COUNTY

Dear Ms. Sayers:

I obtained your name from the Native American Heritage Commission in order to inform you of the Arroyo Las Positas Weir project in Alameda County. The project consists of replacing a weir across Los Positas Creek under the North Livermore Avenue Bridge in Livermore. The project area is indicated on the enclosed map.

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Sincerely,

John Nadolski
Cultural Resources Specialist

Enclosure: Project Area Map

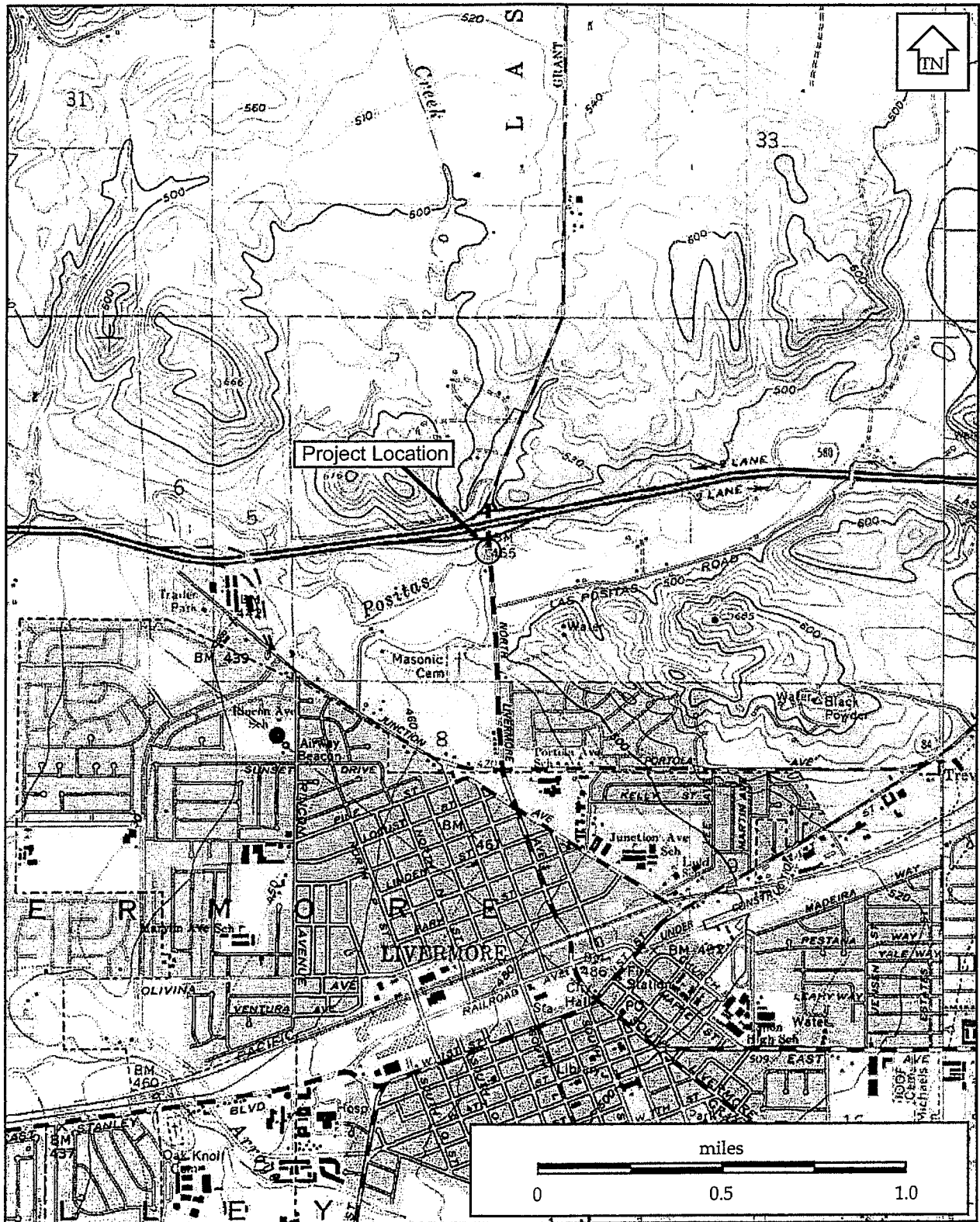


Figure 2. Project Location Map.

SOURCE: National Geographic TOPOI; San Francisco CD; 2003 showing the Livermore, Ca. quadrangle; T3S, R2E MDBM.



December 11, 2007

Rosemary Cambra, Chairperson
MUWEKMA OHLONE INDIAN TRIBE OF THE SF BAY AREA
P.O. Box 360791
Hollister, CA 95024

RE: ARROYO LAS POSITAS WEIR PROJECT, ALAMEDA COUNTY

Dear Ms. Cambra:

I obtained your name from the Native American Heritage Commission in order to inform you of the Arroyo Las Positas Weir project in Alameda County. The project consists of replacing a weir across Los Positas Creek under the North Livermore Avenue Bridge in Livermore. The project area is indicated on the enclosed map.

We are seeking information from Native American representatives in the area regarding the existence of sites within the project area. Thank you for your cooperation in this matter. Please do not hesitate to call me if you have any questions or concerns.

Sincerely,

John Nadolski
Cultural Resources Specialist

Enclosure: Project Area Map

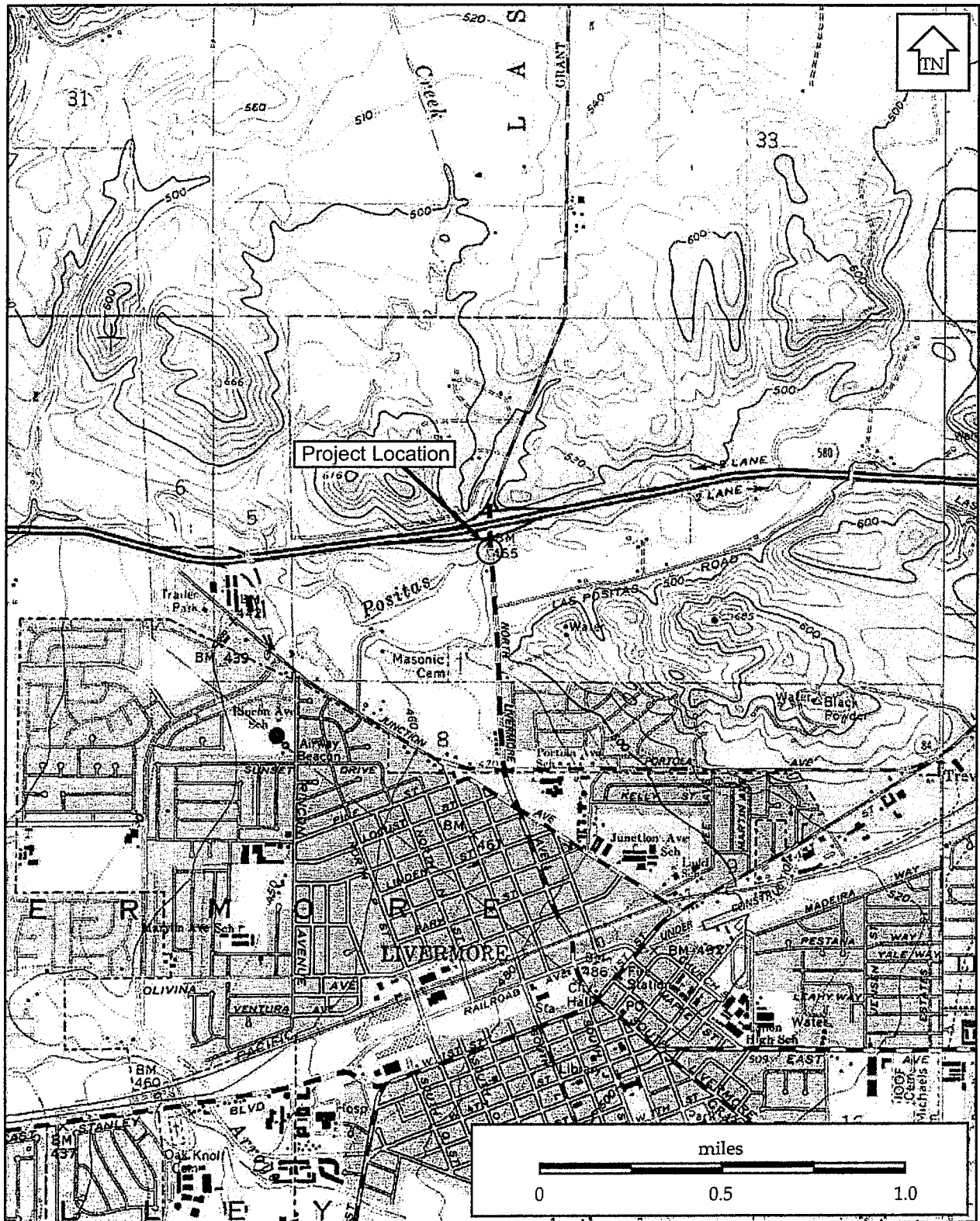


Figure 2. Project Location Map.

SOURCE: National Geographic TOPOI; San Francisco CD; 2003 showing the Livermore, Ca. quadrangle; T3S, R2E MDBM.



December 11, 2007

Andrew Galvan,
THE OHLONE INDIAN TRIBE
P.O. Box 3152
Mission San Jose, CA 94539

RE: ARROYO LAS POSITAS WEIR PROJECT, ALAMEDA COUNTY

Dear Mr. Galvan:

I obtained your name from the Native American Heritage Commission in order to inform you of the Arroyo Las Positas Weir project in Alameda County. The project consists of replacing a weir across Los Positas Creek under the North Livermore Avenue Bridge in Livermore. The project area is indicated on the enclosed map.

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Sincerely,

John Nadolski
Cultural Resources Specialist

Enclosure: Project Area Map

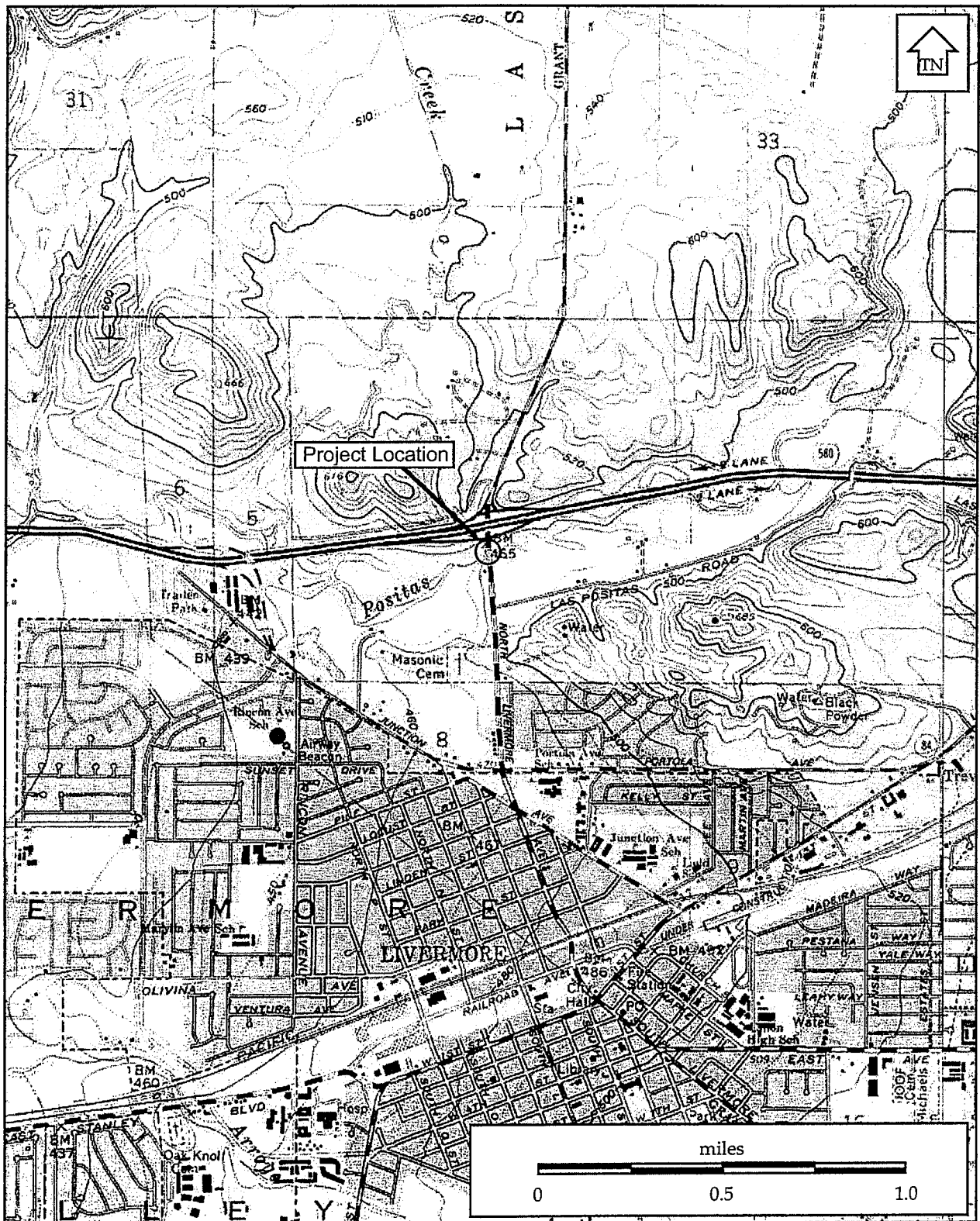


Figure 2. Project Location Map.

SOURCE: National Geographic TOPOI; San Francisco CD; 2003 showing the Livermore, Ca. quadrangle; T3S, R2E MDBM.



December 11, 2007

Ramona Garibay, Representative
TRINA MARINE RUANO FAMILY
16010 Halmar Lane
Lathrop, CA 95330

RE: ARROYO LAS POSITAS WEIR PROJECT, ALAMEDA COUNTY

Dear Ms. Garibay:

I obtained your name from the Native American Heritage Commission in order to inform you of the Arroyo Las Positas Weir project in Alameda County. The project consists of replacing a weir across Los Positas Creek under the North Livermore Avenue Bridge in Livermore. The project area is indicated on the enclosed map.

We are seeking information from Native American representatives in the area regarding the existence of sites within the project area. Thank you for your cooperation in this matter. Please do not hesitate to call me if you have any questions or concerns.

Sincerely,

John Nadolski
Cultural Resources Specialist

Enclosure: Project Area Map

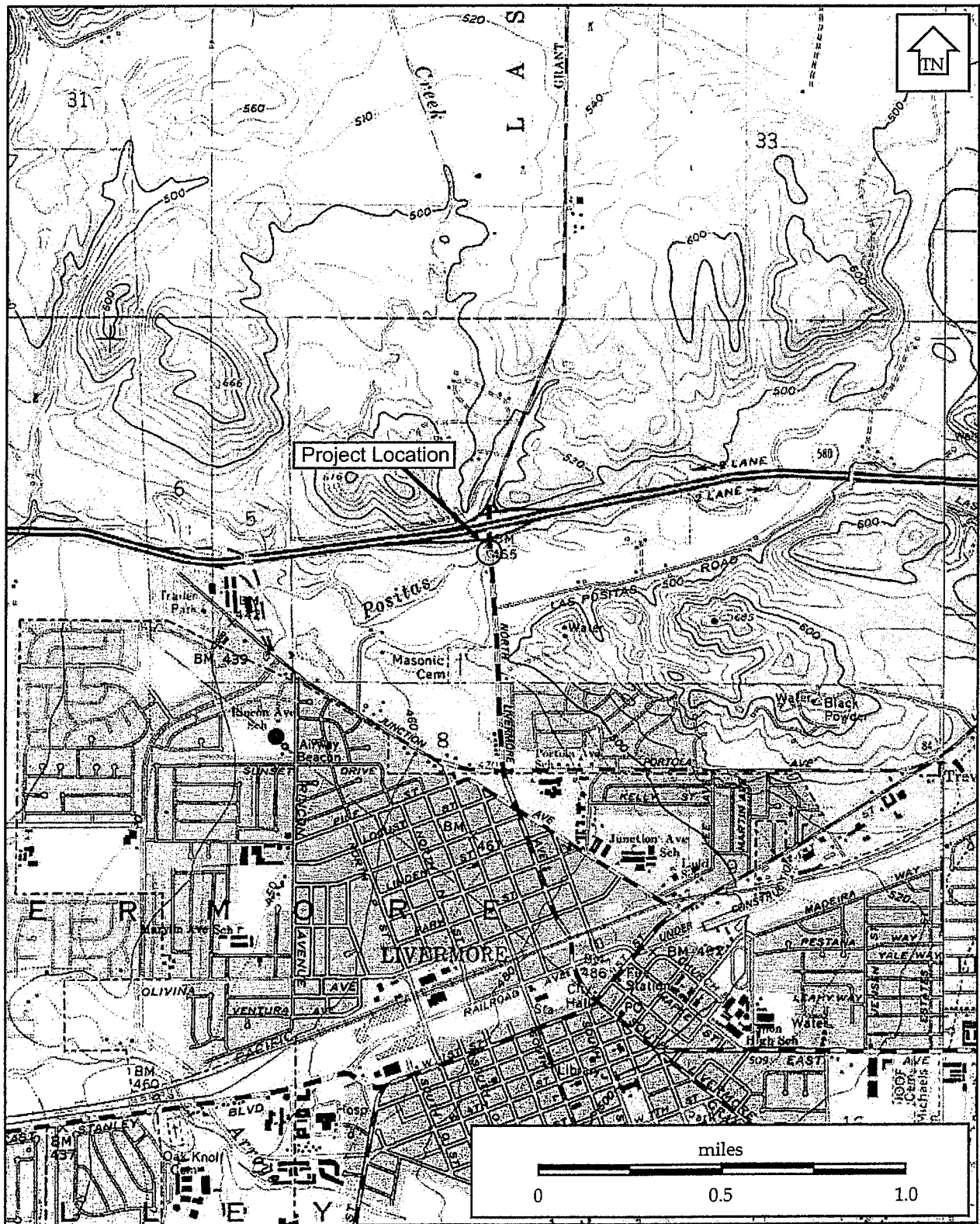


Figure 2. Project Location Map.

SOURCE: National Geographic TOPOI; San Francisco CD; 2003 showing the Livermore, Ca. quadrangle; T3S, R2E MDBM.



TELEPHONE LOG

Project: Las Positas Weir
Contact: Katherine Erolinda Perez
Date: December 14, 2007
PMC Staff: John A. Nadolski

Ms. Katherine Erolinda Perez, an Ohlone/Costanoan, Northern Valley Yokuts, Bay Miwok representative, contacted John A. Nadolski, PMC's Director, Archaeological and Historical Resources Group, by telephone on December 14, 2007 regarding the Las Positas Weir Project. Ms. Perez discussed the project with Mr. Nadolski. Ms. Perez did not have any information regarding the project site and did not have any concerns regarding the project as long as the requirements of CEQA were being followed for implementation of the project. Ms. Perez asked to be kept informed regarding the project. Mr. Nadolski told Ms. Perez that he would be appraised of the project and its implementation.