

DOCKETED	
Docket Number:	25-SPPE-02
Project Title:	NorthTown Backup Generating Facility (NTBGF)
TN #:	267970
Document Title:	GIC San Jose LLC Responses to CEC Data Requests Set 1 - NBGF - Part II_B of III
Description:	Filing GIC San Jose LLC Responses to CEC Data Requests Set 1 - NBGF - Part II_B of III on behalf of applicant
Filer:	Ali Jahani
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	12/18/2025 2:36:17 PM
Docketed Date:	12/18/2025

ATTACHMENT DR BIO-5

Biology Survey Results Maps



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Figure 2. 250-Foot Survey Results
NorthTown Data Center
Responses to California Energy Commission Data Requests (4658-06)
November 2025

ATTACHMENT DR BIO-6

Biology Database Search Results



United States Department of the Interior



FISH AND WILDLIFE SERVICE
Sacramento Fish And Wildlife Office
Federal Building
2800 Cottage Way, Room W-2605
Sacramento, CA 95825-1846
Phone: (916) 414-6600 Fax: (916) 414-6713

In Reply Refer To:

11/04/2025 21:03:26 UTC

Project Code: 2026-0012291

Project Name: NorthTown Data Center

Subject: List of threatened and endangered species that may occur in your proposed project location or may be affected by your proposed project

To Whom It May Concern:

The enclosed species list identifies threatened, endangered, proposed and candidate species, as well as proposed and final designated critical habitat, that may occur within the boundary of your proposed project and/or may be affected by your proposed project. The species list fulfills the requirements of the U.S. Fish and Wildlife Service (Service) under section 7(c) of the Endangered Species Act (Act) of 1973, as amended (16 U.S.C. 1531 *et seq.*).

New information based on updated surveys, changes in the abundance and distribution of species, changed habitat conditions, or other factors could change this list. Please feel free to contact us if you need more current information or assistance regarding the potential impacts to federally proposed, listed, and candidate species and federally designated and proposed critical habitat. Please note that under 50 CFR 402.12(e) of the regulations implementing section 7 of the Act, the accuracy of this species list should be verified after 90 days. This verification can be completed formally or informally as desired. The Service recommends that verification be completed by visiting the IPaC website at regular intervals during project planning and implementation for updates to species lists and information. An updated list may be requested through the IPaC system by completing the same process used to receive the enclosed list.

The purpose of the Act is to provide a means whereby threatened and endangered species and the ecosystems upon which they depend may be conserved. Under sections 7(a)(1) and 7(a)(2) of the Act and its implementing regulations (50 CFR 402 *et seq.*), Federal agencies are required to utilize their authorities to carry out programs for the conservation of threatened and endangered species and to determine whether projects may affect threatened and endangered species and/or designated critical habitat.

A Biological Assessment is required for construction projects (or other undertakings having similar physical impacts) that are major Federal actions significantly affecting the quality of the human environment as defined in the National Environmental Policy Act (42 U.S.C. 4332(2))

(c)). For projects other than major construction activities, the Service suggests that a biological evaluation similar to a Biological Assessment be prepared to determine whether the project may affect listed or proposed species and/or designated or proposed critical habitat. Recommended contents of a Biological Assessment are described at 50 CFR 402.12.

If a Federal agency determines, based on the Biological Assessment or biological evaluation, that listed species and/or designated critical habitat may be affected by the proposed project, the agency is required to consult with the Service pursuant to 50 CFR 402. In addition, the Service recommends that candidate species, proposed species and proposed critical habitat be addressed within the consultation. More information on the regulations and procedures for section 7 consultation, including the role of permit or license applicants, can be found in the "Endangered Species Consultation Handbook" at:

<https://www.fws.gov/sites/default/files/documents/endangered-species-consultation-handbook.pdf>

Migratory Birds: In addition to responsibilities to protect threatened and endangered species under the Endangered Species Act (ESA), there are additional responsibilities under the Migratory Bird Treaty Act (MBTA) and the Bald and Golden Eagle Protection Act (BGEPA) to protect native birds from project-related impacts. Any activity resulting in take of migratory birds, including eagles, is prohibited unless otherwise permitted by the U.S. Fish and Wildlife Service (50 C.F.R. Sec. 10.12 and 16 U.S.C. Sec. 668(a)). For more information regarding these Acts, see <https://www.fws.gov/program/migratory-bird-permit/what-we-do>.

It is the responsibility of the project proponent to comply with these Acts by identifying potential impacts to migratory birds and eagles within applicable NEPA documents (when there is a federal nexus) or a Bird/Eagle Conservation Plan (when there is no federal nexus). Proponents should implement conservation measures to avoid or minimize the production of project-related stressors or minimize the exposure of birds and their resources to the project-related stressors. For more information on avian stressors and recommended conservation measures, see <https://www.fws.gov/library/collections/threats-birds>.

In addition to MBTA and BGEPA, Executive Order 13186: *Responsibilities of Federal Agencies to Protect Migratory Birds*, obligates all Federal agencies that engage in or authorize activities that might affect migratory birds, to minimize those effects and encourage conservation measures that will improve bird populations. Executive Order 13186 provides for the protection of both migratory birds and migratory bird habitat. For information regarding the implementation of Executive Order 13186, please visit <https://www.fws.gov/partner/council-conservation-migratory-birds>.

We appreciate your concern for threatened and endangered species. The Service encourages Federal agencies to include conservation of threatened and endangered species into their project planning to further the purposes of the Act. Please include the Consultation Code in the header of this letter with any request for consultation or correspondence about your project that you submit to our office.

Attachment(s):

- Official Species List

OFFICIAL SPECIES LIST

This list is provided pursuant to Section 7 of the Endangered Species Act, and fulfills the requirement for Federal agencies to "request of the Secretary of the Interior information whether any species which is listed or proposed to be listed may be present in the area of a proposed action".

This species list is provided by:

Sacramento Fish And Wildlife Office

Federal Building

2800 Cottage Way, Room W-2605

Sacramento, CA 95825-1846

(916) 414-6600

PROJECT SUMMARY

Project Code: 2026-0012291

Project Name: NorthTown Data Center

Project Type: Commercial Development

Project Description: The proposed project will redevelop the site located at 350 and 370 Trimble Road in San José, California with a data center, a backup generating facility, and associated infrastructure.

Project Location:

The approximate location of the project can be viewed in Google Maps: <https://www.google.com/maps/@37.38060275,-121.93436444461926,14z>



Counties: Santa Clara County, California

ENDANGERED SPECIES ACT SPECIES

There is a total of 17 threatened, endangered, or candidate species on this species list.

Species on this list should be considered in an effects analysis for your project and could include species that exist in another geographic area. For example, certain fish may appear on the species list because a project could affect downstream species.

IPaC does not display listed species or critical habitats under the sole jurisdiction of NOAA Fisheries¹, as USFWS does not have the authority to speak on behalf of NOAA and the Department of Commerce.

See the "Critical habitats" section below for those critical habitats that lie wholly or partially within your project area under this office's jurisdiction. Please contact the designated FWS office if you have questions.

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1. [NOAA Fisheries](#), also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

MAMMALS

NAME	STATUS
Salt Marsh Harvest Mouse <i>Reithrodontomys raviventris</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/613	Endangered
San Joaquin Kit Fox <i>Vulpes macrotis mutica</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/2873	Endangered

BIRDS

NAME	STATUS
California Condor <i>Gymnogyps californianus</i> Population: Wherever found, except where listed as an experimental population There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8193	Endangered
California Least Tern <i>Sternula antillarum browni</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/8104	Endangered
California Ridgway's Rail <i>Rallus obsoletus obsoletus</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/4240	Endangered
Western Snowy Plover <i>Charadrius nivosus nivosus</i> Population: Pacific Coast population DPS-U.S.A. (CA, OR, WA), Mexico (within 50 miles of Pacific coast) There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8035	Threatened
Yellow-billed Cuckoo <i>Coccyzus americanus</i> Population: Western U.S. DPS There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/3911	Threatened

REPTILES

NAME	STATUS
Alameda Whipsnake (=striped Racer) <i>Masticophis lateralis euryxanthus</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5524	Threatened
Northwestern Pond Turtle <i>Actinemys marmorata</i> No critical habitat has been designated for this species. Species profile: https://ecos.fws.gov/ecp/species/1111	Proposed Threatened

AMPHIBIANS

NAME	STATUS
California Red-legged Frog <i>Rana draytonii</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2891	Threatened
California Tiger Salamander <i>Ambystoma californiense</i> Population: U.S.A. (Central CA DPS) There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2076	Threatened
Foothill Yellow-legged Frog <i>Rana boylei</i> Population: Central Coast Distinct Population Segment (Central Coast DPS) There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/5133	Threatened

INSECTS

NAME	STATUS
Monarch Butterfly <i>Danaus plexippus</i> There is proposed critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9743	Proposed Threatened

CRUSTACEANS

NAME	STATUS
Conservancy Fairy Shrimp <i>Branchinecta conservatio</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/8246	Endangered
Vernal Pool Tadpole Shrimp <i>Lepidurus packardii</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/2246	Endangered

FLOWERING PLANTS

NAME	STATUS
Contra Costa Goldfields <i>Lasthenia conjugens</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/7058	Endangered
Robust Spineflower <i>Chorizanthe robusta</i> var. <i>robusta</i> There is final critical habitat for this species. Your location does not overlap the critical habitat. Species profile: https://ecos.fws.gov/ecp/species/9287	Endangered

CRITICAL HABITATS

THERE ARE NO CRITICAL HABITATS WITHIN YOUR PROJECT AREA UNDER THIS OFFICE'S JURISDICTION.

YOU ARE STILL REQUIRED TO DETERMINE IF YOUR PROJECT(S) MAY HAVE EFFECTS ON ALL ABOVE LISTED SPECIES.

IPAC USER CONTACT INFORMATION

Agency: Private Entity
Name: Robin Carle
Address: 720 University Ave., Suite 200
City: Los Gatos
State: CA
Zip: 95032
Email: rcarle@harveyecology.com
Phone: 4084583241

SNAME	CNAME	ELMCODE	OCNUMBER	MAPNDX	IONDX	KEYQUAD	KQUADNAME	KEYCOUNT	PLS	ELEVATION	PARTS	ELMTYPE	TAXONGROUP	ECOCOUNT	ACCURACY	PRESENCE	OCCTYPE	OCCKRAN	SENSITIVE	SITEDATE	ELMDATE
Anniella pulchra	Northern California legless lizard	ARAC01020	130	A5376	10712	3712137	San Jose East	SCL	T07S, R01E, Sec. 4 (M)	90	1	2	Reptiles	1	5 miles	Possibly Extirpated	Natural/Native occurrence	None	N	194088XX	194088XX
Bombus occidentalis	western bumble bee	IHHYM24252	254	37885	100359	3712138	San Jose West	SCL	T07S, R01E, Sec. 08 (M)	100	1	2	Insects	8	5 miles	Presumed Extant	Natural/Native occurrence	Unknown	N	19791001	19791001
Bombus crocei	Crotch's bumble bee	IHHYM24480	23	37885	98636	3712138	San Jose West	SCL	T07S, R01E, Sec. 08 (M)	100	1	2	Insects	8	5 miles	Presumed Extant	Natural/Native occurrence	Unknown	N	20210811	20210811
Ambystoma californiense pop. 1	California tiger salamander - central California DPS	AAA0A01181	326	37885	32892	3712138	San Jose West	SCL	T07S, R01E, Sec. 08 (M)	85	1	2	Amphibians	8	5 miles	Extirpated	Natural/Native occurrence	None	N	18950109	18950109
Coturnicops noveboracensis	yellow rail	ABNME01010	37	37885	107053	3712138	San Jose West	SCL	T07S, R01E, Sec. 08 (M)	85	1	2	Birds	8	5 miles	Presumed Extant	Natural/Native occurrence	Poor	N	1895100X	1895100X
Gonidea angulata	western ridged mussel	IMBIV19010	140	37885	119006	3712138	San Jose West	SCL	T07S, R01E, Sec. 08 (M)	85	1	2	Mollusks	8	5 miles	Possibly Extirpated	Natural/Native occurrence	None	N	XXXXXXX	XXXXXXX
Dipodomys heermanni goldmani	Salinas kangaroo rat	AMAFD03065	2	37885	133656	3712138	San Jose West	SCL	T07S, R01E, Sec. 08 (M)	85	1	2	Mammals	8	5 miles	Extirpated	Natural/Native occurrence	None	N	1895206X	1895206X
Bombus californicus	obscure bumble bee	IHHYM24380	133	37885	97970	3712138	San Jose West	SCL	T07S, R01E, Sec. 08 (M)	100	1	2	Insects	8	5 miles	Presumed Extant	Natural/Native occurrence	Unknown	N	19540412	19540412
Oncorhynchus mykiss iridopis vsp.	steelhead - central California coast DPS	AFCHAD02060	44	48874	110256	3712127	Santa Teresa Hills	SCL	T08S, R01E, Sec. 9 (M)	190	1	2	Fish	1	non-specific area	Presumed Extant	Natural/Native occurrence	None	N	19706227	20170627
Lasiurus cinereus	hoary bat	AMACC05032	98	68532	68861	3712138	San Jose West	SCL	T07S, R01E, Sec. 17 (M)	0	1	2	Mammals	1	1 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19901204	19901204
Corynorhinus townsendii	Townsend's big-eared bat	AMACC08010	418	65585	93484	3712138	San Jose West	SCL	T07S, R01E, Sec. 08 (M)	90	1	2	Mammals	3	1 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19430424	19430424
Antrozous pallidus	pallid bat	AMACC10010	255	65585	66722	3712138	San Jose West	SCL	T07S, R01E, Sec. 08 (M)	90	1	2	Mammals	3	1 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19430424	19430424
Laterallus jamaicensis coturniculus	California black rail	ABNME03041	309	43422	105059	3712148	Milpitas	SCL	T06S, R01W, Sec. 2 (M)	13	1	2	Birds	1	1 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	18911227	18911227
Rana boylei pop. 4	foothill yellow-legged frog - central coast DPS	AAABH01054	76	49998	111850	3712137	San Jose East	SCL	T07S, R01E, Sec. 9 (M)	100	1	2	Amphibians	1	1 mile	Extirpated	Natural/Native occurrence	None	N	192210XX	192210XX
Sorex vagrans halicoetes	salt-marsh wandering shrew	AMABA01071	10	09825	5638	3712148	Milpitas	SCL	T06S, R01W, Sec. 17 (M)	5	1	2	Mammals	1	1 mile	Extirpated	Natural/Native occurrence	None	N	19510805	19510805
Coturnicops noveboracensis	yellow rail	ABNME01010	11	09936	106958	3712148	Milpitas	SCL	T06S, R01W, Sec. 03 (M)	5	1	2	Birds	7	1 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	20131022	20131022
Agelaius tricolor	tricolored blackbird	ABPBX80020	911	09936	102887	3712148	Milpitas	SCL	T06S, R01W, Sec. 03 (M)	5	1	2	Birds	7	1 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19950422	19950422
Trylonia imitator	mimic tryonia (=California brackishwater snail)	IMGAS17040	36	09936	71626	3712148	Milpitas	SCL	T06S, R01W, Sec. 03 (M)	5	1	2	Mollusks	7	1 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	XXXXXXX	XXXXXXX
Lasiurus cinereus	hoary bat	AMACC05032	99	28363	68862	3712138	San Jose West	SCL	T07S, R01W, Sec. 02 (M)	0	1	2	Mammals	3	1 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	18930501	18930501
Buteo swainsoni	Swainson's hawk	ABNK19070	2570	28363	91540	3712138	San Jose West	SCL	T07S, R01W, Sec. 02 (M)	50	1	2	Birds	3	1 mile	Possibly Extirpated	Natural/Native occurrence	None	N	18980430	18980430
Coccyzus americanus occidentalis	western yellow-billed cuckoo	ABNBR02022	196	24671	96979	3712148	Milpitas	SCL	T06S, R01E, Sec. 07 (M)	20	1	2	Birds	2	1 mile	Extirpated	Natural/Native occurrence	None	N	18906117	18906117
Geothlypis trichas sinuosa	saltmarsh common yellowthroat	ABPBX1201A	10	85882	86918	3712148	Milpitas	SCL	T05S, R01E, Sec. 34 (M)	10	2	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19980811	19980811
Agelaius tricolor	tricolored blackbird	ABPBX80020	912	13137	102889	3712148	Milpitas	SCL	T06S, R01W, Sec. 1 (M)	12	1	2	Birds	1	4/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	20210509	199200XX
Agelaius tricolor	tricolored blackbird	ABPBX80020	913	13139	102891	3712148	Milpitas	SCL	T06S, R01W, Sec. 13 (M)	30	1	2	Birds	1	4/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19950422	199200XX
Anahyphus rufus rufus	western snow plover	ABNBR03031	127	49234	44374	3712148	Milpitas	SCL	T06S, R01W, Sec. 09 (M)	0	1	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Good	N	2009XXXX	2009XXXX
Athene cucularia	burrowing owl	ABNSB10010	341	42062	42084	3712138	San Jose West	SCL	T06S, R01W, Sec. 36 (M)	56	1	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Excellent	N	20090707	20090707
Melospiza melodia pusillula	Alameda song sparrow	ABPBXA301S	25	60941	60977	3712148	Milpitas	SCL	T06S, R01W, Sec. 15 (M)	6	1	2	Birds	1	3/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19470916	19470916
Gonidea angulata	western ridged mussel	IMBIV19010	142	85989	119010	3712148	Milpitas	SCL	T05S, R01W, Sec. 36 (M)	6	1	2	Mollusks	1	non-specific area	Possibly Extirpated	Natural/Native occurrence	None	N	191306XX	191306XX
Reithrodontomys raviventris	salt-marsh harvest mouse	AMAFF02040	115	09894	14539	3712148	Milpitas	SCL	T06S, R01W, Sec. 03 (M)	0	1	2	Mammals	2	non-specific area	Presumed Extant	Natural/Native occurrence	Good	N	19901216	19901216
Sorex vagrans halicoetes	salt-marsh wandering shrew	AMABA01071	1	09894	24365	3712148	Milpitas	SCL	T06S, R01W, Sec. 03 (M)	0	1	2	Mammals	2	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	1980XXXX	197600XX
Geothlypis trichas sinuosa	saltmarsh common yellowthroat	ABPBXA221A	45	09857	24818	3712148	Milpitas	SCL	T06S, R01W, Sec. 08 (M)	5	1	2	Birds	2	non-specific area	Presumed Extant	Natural/Native occurrence	Good	N	19980630	20090630
Athene cucularia	burrowing owl	ABNSB10010	392	44143	108143	3712148	Milpitas	SCL	T06S, R01W, Sec. 10, N (M)	200	1	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Good	N	20160109	20160109
Actinemys marmorata	northwestern pond turtle	ABRAA02031	1632	89185	125382	3712148	Milpitas	SCL	T06S, R01W, Sec. 1 (M)	13	1	2	Reptiles	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19805XXX	19805XXX
Gonidea angulata	western ridged mussel	IMBIV19010	143	86001	119026	3712148	Milpitas	SCL	T06S, R01W, Sec. 22 (M)	27	1	2	Mollusks	1	non-specific area	Possibly Extirpated	Natural/Native occurrence	None	N	1980XXXX	1980XXXX
Athene cucularia	burrowing owl	ABNSB10010	480	48650	48650	3712148	Milpitas	SCL	T06S, R01W, Sec. 16, NE (M)	5	1	2	Birds	1	2/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	1971XXXX	1971XXXX
Actinemys marmorata	northwestern pond turtle	ABRAA02031	1635	89189	125387	3712138	San Jose West	SCL	T06S, R01W, Sec. 33 (M)	38	1	2	Reptiles	1	2/5 mile	Presumed Extant	Natural/Native occurrence	Poor	N	198907XX	198907XX
Elanus leucurus	white-tailed kite	C16010	1	124672	6821	3712148	Milpitas	SCL	T05S, R01W, Sec. 11 (M)	5	1	2	Birds	1	2/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	19710506	19710506
Actinemys marmorata	northwestern pond turtle	ABRAA02031	1261	89848	100468	3712241	Mountain View	SCL	T06S, R02W, Sec. 12 (M)	0	1	2	Reptiles	1	non-specific area	Presumed Extant	Natural/Native occurrence	Good	N	20230617	20230617
Gonidea angulata	western ridged mussel	IMBIV19010	141	85984	119008	3712148	Milpitas	SCL	T06S, R01W, Sec. 15 (M)	10	1	2	Mollusks	1	non-specific area	Possibly Extirpated	Natural/Native occurrence	None	N	1980XXXX	1980XXXX
Athene cucularia	burrowing owl	ABNSB10010	212	30027	5403	3712148	Milpitas	SCL	T06S, R01W, Sec. 21, SW (M)	20	1	2	Birds	1	non-specific area	Possibly Extirpated	Natural/Native occurrence	None	N	20140307	20110922
Rallus obsoluetus obsoluetus	California Ridgway's rail	ABNME05011	20	36915	25861	3712241	Mountain View	SCL	T06S, R01W, Sec. 06 (M)	0	1	2	Birds	2	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	1975XXXX	1975XXXX
Melospiza melodia pusillula	Alameda song sparrow	ABPBXA301S	24	36915	60974	3712241	Mountain View	SCL	T06S, R01W, Sec. 06 (M)	5	1	2	Birds	2	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	19471003	19471003
Athene cucularia	burrowing owl	ABNSB10010	1932	91721	980799	3712148	Milpitas	SCL	T06S, R01W, Sec. 16, E (M)	25	1	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20170522	2004XXXX
Reithrodontomys raviventris	salt-marsh harvest mouse	AMAFF02040	116	11047	23836	3712148	Mountain View	SCL	T05S, R01W, Sec. 36 (M)	3	1	2	Mammals	1	non-specific area	Presumed Extant	Natural/Native occurrence	Good	N	19901005	19901005
Athene cucularia	burrowing owl	ABNSB10010	345	42263	42263	3712148	Milpitas	SCL	T06S, R01W, Sec. 15, SW (M)	12	1	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Poor	N	20140307	20140307
Athene cucularia	burrowing owl	ABNSB10010	340	42062	42062	3712148	Milpitas	SCL	T06S, R01W, Sec. 17 (M)	0	3	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Poor	N	2002XXXX	2002XXXX
Athene cucularia	burrowing owl	ABNSB10010	20	09778	25487	3712231	Cupertino	SCL	T07S, R01W, Sec. 06 (M)	120	1	2	Birds	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	1983XXXX	1983XXXX
Athene cucularia	burrowing owl	ABNSB10010	22	09747	25486	3712241	Mountain View	SCL	T06S, R01W, Sec. 18 (M)	5	1	2	Birds	1	1/5 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	1983XXXX	1983XXXX
Athene cucularia	burrowing owl	ABNSB10010	23	09749	25485	3712241	Mountain View	SCL	T06S, R01W, Sec. 07 (M)	0	1	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Poor	N	2004XXXX	2004XXXX
Athene cucularia	burrowing owl	ABNSB10010	1930	97683	99045	3712148	Milpitas	SCL	T06S, R01W, Sec. 25, SW (M)	29	3	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20160617	20150622
Melospiza melodia pusillula	Alameda song sparrow	ABPBXA301S	1	60508	60544	3712148	Milpitas	SCL	T06S, R01W, Sec. 03 (M)	5	1	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Good	N	20040519	20040519
Athene cucularia	burrowing owl	ABNSB10010	466	48223	48223	3712148	Milpitas	SCL	T06S, R01E, Sec. 18 (M)	25	1	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Good	N	20060324	20060324
Actinemys marmorata	northwestern pond turtle	ABRAA02031	576	44338	44338	3712137	San Jose East	SCL	T06S, R01E, Sec. 34, SW (M)	100	1	2	Reptiles	1	non-specific area	Presumed Extant	Natural/Native occurrence	Poor	N	20120508	20120508
Athene cucularia	burrowing owl	ABNSB10010	491	48691	48691	3712148	Milpitas	SCL	T06S, R01W, Sec. 16, NW (M)	10	2	2	Birds	1	non-specific area	Presumed Extant	Natural/Native occurrence	Poor	N	2002XXXX	2002XXXX
Actinemys marmorata	northwestern pond turtle	ABRAA02031	1385	46872	108641	3712147	Calaveras Reservoir	SCL	T06S, R01E, Sec. 22, SE (M)	200	1	2	Reptiles	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Good	N	20120606	20120606
Athene cucularia	burrowing owl	ABNSB10010	132	21008	9205	3712138	San Jose West	SCL	T06S, R01W, Sec. 25, S (M)	40	1	2	Birds	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Fair	N	19920401	19920401
Geothlypis trichas sinuosa	saltmarsh common yellowthroat	ABPBX1201A	117	85881	86915	3712148	Milpitas	SCL	T06S, R01W, Sec. 03, SE (M)	0	1	2	Birds	1	1/10 mile	Presumed Extant	Natural/Native occurrence	Unknown	N	198407XX	198407XX
Athene cucularia	burrowing owl	ABNSB10010	1228	76489	77432	3712148	Milpitas	SCL	T06S, R01W, Sec. 14, NE (M)	18	2	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Fair	N	20110228	20110228
Laterallus jamaicensis coturniculus	California black rail	ABNME03041	299	43423	105024	3712148	Milpitas	SCL	T06S, R01W, Sec. 9, NW (M)	9	3	2	Birds	1	specific area	Presumed Extant	Natural/Native occurrence	Unknown	N	20150827	20150827
Athene cucularia	burrowing owl	ABNS																			

OWNER/MGT	FED/ST	CALL/ST	GR/AN	SR/AN	RPLAN/AN	CD/FS/ST/US	OTHR/ST/US	LOCATION
UNKNOWN	None	None	G3	S253		SSC	USFS_S	NEAR ALUM ROCK AND SAN JOSE.
UNKNOWN	None	Candidate Endangered	G3	S1			IUCN_VU; USFS_S	SAN JOSE.
UNKNOWN	None	Candidate Endangered	G2	S2			IUCN_EN	SAN JOSE.
UNKNOWN	Threatened	Threatened	G3T3	S3	WL		IUCN_VU	SAN JOSE.
UNKNOWN	None	None	G4	S2		SSC	IUCN_LC; USFS_S; USFWS_BCC	VICINITY OF SAN JOSE.
UNKNOWN	None	None	G3	S2			IUCN_VU	SAN JOSE.
UNKNOWN	None	None	G4T2T3	S253				SAN JOSE.
UNKNOWN	None	None	G2G3	S152			IUCN_VU	SAN JOSE.
UNKNOWN	Threatened	None	G5T3Q	S3		SSC	AFS_TH	GUADALUPE RIVER AND TRIBUTARIES.
UNKNOWN	None	None	G3G4	S4			IUCN_LC	SAN JOSE.
UNKNOWN	None	None	G4	S2		SSC	BLM_S; IUCN_LC; USFS_S	SAN JOSE.
UNKNOWN	None	None	G4	S3		SSC	BLM_S; IUCN_LC; USFS_S	SAN JOSE.
UNKNOWN	None	Threatened	G3T1	S2	FP		BLM_S; IUCN_EN	VICINITY OF MILPITAS, SE OF SAN FRANCISCO BAY.
UNKNOWN	Threatened	Endangered	G3T2	S2			BLM_S; USFS_S	COYOTE CREEK, SAN JOSE.
UNKNOWN	Threatened	Endangered	G3T2	S2			BLM_S; USFS_S	VICINITY OF BERRYESSA, SAN JOSE.
UNKNOWN	None	None	G5T1	S1		SSC		ONE MILE SSW OF ALVISO.
UNKNOWN	None	None	G4	S2		SSC	IUCN_LC; USFS_S; USFWS_BCC	VICINITY OF ALVISO.
UNKNOWN	None	Threatened	G1G2	S2		SSC	BLM_S; IUCN_EN; USFWS_BCC	NEAR LOS ESTEROS ROAD, 2.8 MI NW OF HWY 237 & ZANKER RD INTERSECTION, W OF MILPITAS
USFWS-DON EDWARDS NWR, PVT	None	None	G2	S2			IUCN_DD	IN THE VICINITY OF ALVISO.
UNKNOWN	None	None	G3G4	S4			IUCN_LC	SANTA CLARA.
UNKNOWN	None	Threatened	G5	S4			BLM_S; IUCN_LC	SANTA CLARA.
UNKNOWN	Threatened	Endangered	G5T2T3	S1			BLM_S; USFS_S	MILPITAS.
USFWS-DON EDWARDS SF BAY NWR	None	None	G5T3	S3		SSC	USFWS_BCC	IN THE VICINITY OF COYOTE CREEK, MUD SLOUGH, & ARTESIAN SLOUGH, ABOUT 2.8 MI NE OF ALVISO, 3 MI NW OF SR 237 AT HWY 880
UNKNOWN	None	Threatened	G1G2	S2		SSC	BLM_S; IUCN_EN; USFWS_BCC	AREA JUST NW OF HWY 237 & I-880 INTERSECTION, 2.8 MI S OF I-880 & MISSION RD INTERSECTION, MILPITAS
UNKNOWN	None	Threatened	G1G2	S2		SSC	BLM_S; IUCN_EN; USFWS_BCC	ABOUT 2.1 MI NNE OF TRIMBLE RD & 1ST ST INTERSECTION, 2.5 MI SSW OF HWY 237 & I-5 INTERSECTION, MILPITAS
USFWS-DON EDWARDS, DFG, UNK	Threatened	None	G3T3	S3				NEW CHICAGO MARSH AND SALT EVAPORATOR PONDS ON EITHER SIDE OF ALVISO SLOUGH. NORTH & WEST OF ALVISO. DON EDWARDS NWR
CITY OF SAN JOSE	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	SAN JOSE INTERNATIONAL AIRPORT, SAN JOSE.
UNKNOWN	None	None	G5T2T3	S2		SSC	USFWS_BCC	GUADALUPE RIVER, PRIMARILY BETWEEN SANTA CLARA ALVISO RD AND SAN JOSE ALVISO RD, MAINLY SOUTH OF HWY 237, SE ALVISO
UNKNOWN	None	None	G3	S2			IUCN_VU	COYOTE CREEK NEAR MILPITAS, FROM SAN JOSE TO THE SAN FRANCISCO BAY
USFWS, PVT-LESLIE SALT CO	Endangered	Endangered	G1G2	S3	FP		IUCN_EN	NEW CHICAGO MARSH, 1 TO 1.75 MI NE OF ALVISO ON N SIDE OF LOS ESTEROS RD, DON EDWARDS NWS
USFWS, PVT-LESLIE SALT CO	None	None	G5T1	S1		SSC		NEW CHICAGO MARSH, 1 TO 1.75 MI NE OF ALVISO ON N SIDE OF LOS ESTEROS RD, DON EDWARDS NWS
SANTA CLARA VALLEY WATER DIST	None	None	G5T3	S3			USFWS_BCC	SALT PONDS, GUADALUPE SLOUGH, & CONFLUENCE OF SAN THOMAS AQUINAS & CALABAZAS CREEKS, N OF HIGHWAY 237
PVT, CITY OF SAN JOSE	None	Candidate Endangered	G4	S2			BLM_S; IUCN_LC; USFWS_BCC	GENERAL AREA N OF HWY 237, W OF ZANKER RD, E OF GRAND BLVD, S OF LOS ESTEROS RD, & SW OF SEWAGE TREATMENT PLANT, ALVISO
UNKNOWN	Proposed Threatened	None	G2	SNR		SSC	BLM_S; IUCN_VU; USFS_S	COYOTE CREEK, BETWEEN HIGHWAY 237 AND NEWBY ISLAND (MILPITAS LANDFILL), MILPITAS
UNKNOWN	None	None	G3	S2			IUCN_VU	SARATOGA CREEK (FORMERLY KNOWN AS QUITO OR CAMPBELL CREEK), FROM SANTA CLARA TO THE SAN FRANCISCO BAY
UNKNOWN	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	0.5 MILE SSW OF ALVISO.
UNKNOWN	Proposed Threatened	None	G2	SNR			BLM_S; IUCN_VU; USFS_S	CONFLUENCE OF SARATOGA CREEK AND SAN TOMAS AQUINO CREEK, SANTA CLARA
UNKNOWN	None	None	G5	S3S4	FP		BLM_S; IUCN_LC	NORTH OF HWY 237, 1 MILE EAST OF ALVISO, IN THE SOUTH SAN FRANCISCO BAY AREA
PVT, CITY OF SUNNVALE	Proposed Threatened	None	G2	SNR		SSC	BLM_S; IUCN_VU; USFS_S	SUNNVALE BAYLANDS PARK & ALONG BAY TRAIL, N SIDE OF MOFFETT FIELD BETWEEN N PERIMETER RD & GENEVA DR, MOUNTAIN VIEW
UNKNOWN	None	None	G3	S2			IUCN_VU	GUADALUPE RIVER, BETWEEN THE SAN FRANCISCO BAY AND SAN JOSE
MISSION COLLEGE	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	MISSION COLLEGE CAMPUS, GREAT AMERICA PARKWAY AT HWY 101, SANTA CLARA.
UNKNOWN	Endangered	Endangered	G3T1	S2		FP		LARGER FRINGING MARSHES OF ALVISO SLOUGH.
UNKNOWN	None	None	G5T2T3	S2			USFWS_BCC	ALVISO SLOUGH, NW OF ALVISO.
PVT	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	SANTA CLARA GOLF & TENNIS CLUB, N OF TASMAN DR ON BOTH SIDES OF LAFAYETTE ST, SANTA CLARA
SANTA CLARA VALLEY WATER DIST	Endangered	Endangered	G1G2	S3	FP		IUCN_EN	NORTH END OF THE SAN JOSE-SANTA CLARA SEWAGE DISPOSAL PONDS, DIXON ROAD AND HIGHWAY 880 AND COYOTE CREEK, SAN JOSE
CITY OF SANTA CLARA	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	GENERAL AREA W OF LAFAYETTE ST AT TASMAN DR, NE OF GREAT AMERICA AMUSEMENT PARK, SANTA CLARA
PVT	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	TWIN CREEKS BASEBALL FIELD COMPLEX, OFF CARIBBEAN DR, ABOUT 0.5 MI NORTH OF JUNCTION LAWRENCE EXPY & HWY 237, SUNNVALE
PVT	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	SUNNVALE BETWEEN PATRICK HENRY JR HIGH SCHOOL AND PETERSON HIGH SCHOOL
PVT	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	0.75 MI WEST ON FAIR OAKS AVE FROM JCT WITH ALVISO FWY, NORTHERN SUNNVALE
PVT	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	1.5 MI W OF JCT HWY 101 AND MATHILDA AVE, N END OF SUNNVALE
PVT, PVT-PGE	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	OPEN SPACE NW OF HWY 101 AT GUADALUPE PKWY, E OF GUADALUPE RIVER, AND S OF N 1ST TR AT W TRIMBLE RD, SAN JOSE
UNKNOWN	None	None	G5T2T3	S2		SSC	USFWS_BCC	APPROXIMATELY 1.4 MILES SOUTH OF COYOTE CREEK, JUST NORTH OF ALVISO
ELMWOOD CORRECTIONAL FACILITY	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	600' EAST OF I-880 (NIMITZ FREEWAY) AND 0.6 MILE SOUTH OF HIGHWAY 237 (CALAVERAS BOULEVARD), MILPITAS
CITY OF SAN JOSE	Proposed Threatened	None	G2	SNR		SSC	BLM_S; IUCN_VU; USFS_S	OVERRELT BOTANICAL GARDENS, NORTH OF THE INTERSECTION OF MCKEE ROAD AND EDUCATIONAL PARK DRIVE, SAN JOSE
UNKNOWN	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	ALONG HWY 237 AND SAN TOMAS AQUINO CREEK, JUST W OF GREAT AMERICA PKWY, SANTA CLARA
SCL COUNTY	Proposed Threatened	None	G2	SNR		SSC	BLM_S; IUCN_VU; USFS_S	POND AT PENITENCIA CREEK PARK, SE OF THE INTERSECTION OF BERRYESSA ROAD AND ADAMS DRIVE, SAN JOSE
PVT	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	NW OF THE JUNCTION OF KARINA COURT AND NORTH FIRST STREET, SAN JOSE
UNKNOWN	None	None	G5T3	S3		SSC	USFWS_BCC	JUST NW OF SAN JOSE-SANTA CLARA WATER POLLUTION CONTROL PLANT, 1.3 MI NE OF ALVISO, 2.2 MI WNW OF SR 237 AT HWY 880
PVT-VTA	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	JUST EAST OF ZANKER RD & SOUTH OF HWY 237 AT THE VALLEY TRANSPORTATION AUTHORITY (VTA) CERONE FACILITY, NORTH SAN JOSE
CITY OF SANTA CLARA	None	Threatened	G3T1	S2	FP		BLM_S; IUCN_EN	ALVISO SLOUGH & ALVISO MARINA COUNTY PARK, W OF MILLS ST AT HOPE ST, 1.7 MI NE OF HWY 237 AT CARIBBEAN DR, ALVISO
CALTRANS, SCL COUNTY	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	IMMEDIATE AREA NE OF ZANKER RD AND HIGHWAY 237 AND SOUTH OF THOMAS FOON CHEW WAY (TO POWER SUBSTATION), NEAR ALVISO
CITY OF SANTA CLARA	Proposed Threatened	None	G2	SNR			BLM_S; IUCN_VU; USFS_S	W SIDE OF SAN TOMAS AQUINO CREEK, 0.2 MI ESE - 0.2 MI SE OF OLD MOUNTAIN VIEW ALVISO RD AT BETSY ROSS RD, SANTA CLARA
CITY OF SAN JOSE	Proposed Threatened	None	G2	SNR		SSC	BLM_S; IUCN_VU; USFS_S	ALONG GUADALUPE RIVER, HALFWAY BETWEEN THE CROSSINGS OF WEST TAYLOR ST AND WEST HEDDING ST, SAN JOSE
PVT	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_VU; USFS_S	ALONG LOS GATOS CREEK, JUST EAST OF THE EASTERN END OF FRUITDALE AVENUE, SAN JOSE
SCL COUNTY	None	Candidate Endangered	G2	S2			IUCN_EN	ALVISO MARINA AT THE N END OF HOPE ST, 0.8 MI W OF GRAND BLVD AT SPRECKLES AVE, 4.5 MI W OF DOWNTOWN MILPITAS, ALVISO
CITY OF SAN JOSE	Proposed Threatened	None	G2	SNR		SSC	BLM_S; IUCN_VU; USFS_S	ALONG GUADALUPE RIVER, JUST WEST OF THE WESTERN END OF WEST PLUMERIA DRIVE, SAN JOSE
SCL COUNTY	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	SANTA CLARA COUNTY WATER POLLUTION CONTROL PLANT, EAST SIDE OF ZANKER ROAD, 0.5 MILE NORTH OF HIGHWAY 237
UNKNOWN	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	NW CORNER OF THE INTERSECTION OF NORTH FIRST STREET AND HIGHWAY 237, ALVISO
PVT	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	ALONG GUADALUPE RIVER, HALFWAY BETWEEN THE CROSSINGS OF WEST TAYLOR ST AND WEST HEDDING ST, SAN JOSE
PVT	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	JUST SOUTH OF CURTIS AVENUE AND 0.3 MILE EAST OF SOUTH MAIN, MILPITAS
SANTA CLARA VALLEY WATER DIST	Proposed Threatened	None	G2	SNR		SSC	BLM_S; IUCN_VU; USFS_S	GUADALUPE RIVER, DOWNSTREAM OF HIGHWAY 101 AND UPSTREAM OF THE TRIMBLE ROAD CROSSING, SAN JOSE
UNKNOWN	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	AT THE END OF EL DORADO STREET, JUST NORTH OF ELIZABETH STREET, ON THE EAST SIDE OF THE SP RR TRACKS, ALVISO
UNKNOWN	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	SOUTH SIDE OF DEVCON COURT, NEAR N 1ST STREET & HWY 101, SAN JOSE
PVT	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	EAST OF LAFAYETTE ST BETWEEN HOPE DR & AGNEW RD, AGNEW
SANTA CLARA VALLEY WATER DIST	None	None	G5	S4			COF_S; IUCN_LC	COYOTE CREEK, 0.5 MILE WNW OF THE INTERSECTION OF OTTOLE AVENUE AND MONTAGUE EXPRESSWAY, SAN JOSE / MILPITAS
PVT, USFWS-DON EDWARDS NWR	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	ENTRANCE ROAD TO DON EDWARDS SF BAY NWR, 0.4 MI NE OF SPRECKLES AVE AT GRAND BLVD/LOS ESTEROS RD, ALVISO
CITY OF SANTA CLARA	None	None	G5	S3S4	FP		BLM_S; IUCN_LC	ADIACENT TO CITY OF SANTA CLARA NORTH SIDE (SEWER) SUBSTATION, SE OF ALVISO
UNKNOWN	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	AT THE END (EAST) OF NORTECH PARKWAY, WITHIN THE SAN JOSE CITY LIMITS, 1 MILE ESE OF ALVISO
PVT	None	Candidate Endangered	G4	S2		SSC	BLM_S; IUCN_LC; USFWS_BCC	0.2 MILE NE OF THE INTERSECTION OF AIRPORT PARKWAY AND GUADALUPE PARKWAY, EAST OF SAN JOSE MUNICIPAL AIRPORT
CITY OF MILPITAS	Proposed Threatened	None	G2	SNR		SSC	BLM_S; IUCN_VU; USFS_S	POND IN HALL MEMORIAL PARK, MILPITAS.

LOCDETAILS

PROVIDED LOCATION INFORMATION WAS NEAR ALUM ROCK (1941) AND NEAR SAN JOSE (1949). MAPPED NON-SPECIFICALLY AS A 5-MILE RADIUS CIRCLE CENTERED BETWEEN DOWNTOWN ALUM ROCK AND DOWNTOWN SAN JOSE WITH RESPECT TO 1950S MAP

EXACT LOCATION UNKNOWN. MAPPED BY CNDDB CENTERED ON THE CITY OF SAN JOSE

MAPPED BY CNDDB IN THE GENERAL VICINITY OF SAN JOSE (1896, 1903) AND TO PROVIDED COORDINATES FROM 2021

NO OTHER LOCALITIONAL INFORMATION GIVEN.

MAPPED GENERALLY, BASED ON SPECIMEN LOCALITY.

SPECIMENS WITH LOCALITY "SAN JOSE" OR "NEAR SAN JOSE" ATTRIBUTED HERE. EXACT COLLECTION LOCATIONS UNKNOWN

COLLECTION LOCALITY ONLY DESCRIBED AS SAN JOSE.

EXACT LOCATION UNKNOWN. MAPPED BY CNDDB IN GENERAL VICINITY OF SAN JOSE

TRIPS SUPPORTING STEELHEAD, ALAMITOS, GUADALUPE, HICKS, LOS GATOS, & PHEASANT CREEKS. O. MYKSS FOUND ABOVE MAJOR BARRIERS ARE RESIDENT RAINBOWS (EG. IN AUSTRIAN GULCH, BARRETT, HERBERT, HOOKER GULCH CKS; & ABOVE VASONA DAM IN LOS GATOS

MAPPED ACCORDING TO LAT/LONG COORDINATES PROVIDED BY MANIS, WITH UNCERTAINTY OF 16093.44 M

EXACT LOCATION UNKNOWN. MAPPED IN THE GENERAL VICINITY OF SAN JOSE

EXACT LOCATION UNKNOWN. MAPPED IN THE GENERAL VICINITY OF SAN JOSE

LOCATION DESCRIBED ONLY AS "MILPITAS." EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDB TO HISTORIC MARSHES NEAR MILPITAS BASED ON THE A USGS TOPOGRAPHIC MAP FOR SAN JOSE (1889, 1.62,500

GIVEN LOCATION "COYOTE CREEK, SAN JOSE," EXACT LOCATION ALONG CREEK UNKNOWN. CITY OF SAN JOSE'S EXTENT MUCH SMALLER IN 1920S. MAPPED NON-SPECIFICALLY TO COYOTE CREEK IN SAN JOSE. ATTRIBUTED SPECIMEN COLLECTED FROM COYOTE CREE

1892 DETECTIONS FROM "THE MARSHES AT THE SOUTHERN END OF SAN FRANCISCO BAY." 1898 SPECIMEN LOCALITY GIVEN AS "ALVISO." 2013 DETECTION IN PARKING LOT OF DON EDWARDS NWR (ALVISO UNIT

1990S: PROVIDED LOCATION DESCRIBED AS "JUST OFF LOS ESTEROS ROAD, ALVISO" & "NEAR THE SAN JOSE/SNATA CLARA WASTE TREATMENT PLANT OUTFALL." MAPPED TO PROVIDED LOCATION & MAP. EXACT LOC UNKNOWN. 2019: LOCATED NEARBY ALONG GUADALUPE RIVE

USNM RECORD GIVES THE "NEAREST NAMED PLACE" AS ALVISO. EXACT LOCATION NOT KNOWN; MAPPED TO MARSH NEAR ALVISO. EXTANT LIVING POPULATION JUST NW OF HERE NEAR ALVISO SLOUGH AND COYOTE CREEK (E0#32

EXACT LOCATION UNKNOWN. MAPPED AS BEST ESTIMATE CENTERED ON SANTA CLARA

SPECIMEN LOCALITY GIVEN AS "SANTA CLARA, CAL...IN 'FERGUSON'S SWAMP;" THE LATTER PLACE NAME UNKNOWN, SO MAPPED GENERALLY TO TOWN OF SANTA CLARA. EXACT COLLECTION LOCATION UNKNOWN

MAPPED TO PROVIDED MAPS. 1998 DATA IS SPECIFICALLY FROM THE IRRIGATION CHANNEL IMMEDIATELY N OF HISTORICAL FREMONT AIRPORT

PROVIDED LOCATION DESCRIBED ONLY AS "CORNER OF 237 AND 880." LOCATION LIKELY DESCRIBING THE AREA JUST NW OF HWY 237 & 1-880 INTERSECTION. MAPPED TO PROVIDED LOCATION AND MAP. EXACT LOCATION UNKNOWN!

PROVIDED LOCATION DESCRIBED ONLY AS "ON 237, 0.5 MILE WEST OF INTERSECTION WITH 880." LOCATION LIKELY DESCRIBING THE AREA SW OF HWY 237 & 1-880 INTERSECTION. MAPPED TO PROVIDED LOCATION AND MAP. EXACT LOCATION UNKNOWN!

1971: NORTH AMERICAN NEST RECORD CARD PROGRAM LOCATION GIVEN ONLY AS ALVISO. 1989: POND A8, ALVISO IMPOUNDMENT (A12) & NEW CHICAGO MARSH (NCM). 2008: ISLAND IN POND A1.

SITE IS AN ON-GOING MONITORING/NGMT PROGRAM (SINCE 1990). W/ OWLS UTILIZING ARTIFICIAL & NATURAL BURROWS. SITES PRIMARILY ALONG PERIMETER OF RUNWAYS TO THE NORTHWEST & SOUTH; T06S R01W SEC 35 EAST, T07S R01W SEC 1 NE. OWLS COLOR BANDEI

LOCATION GIVEN BY MVZ AS "GUADALUPE RIVER, 0.5 MI SE ALVISO". AREA MAPPED TO INCLUDE LAT/LONG PROVIDED BY MVZ (MAX ERROR DISTANCE 1000 FT) AND GENERAL AREA 0.5 MILE SE OF ALVISC

SPECIMENS WITH LOCALITIES LIKE "SANTA CLARA, COYOTE CREEK," "COYOTE CREEK, MILPITAS" OR SIMILAR ATTRIBUTED HERE. HANNIBAL'S CORRESPONDENCE FROM 1908 DESCRIBED THE LOCATION AS "COYOTE CREEK, SAN JOSE TO S.F. BAY

INCLUDES OWENS FORMING PROPERTY.

ALVISO SALT PONDS A8 AND A4, CALABAZAS CREEK MARSH (BBS MADE FROM 11 POINTS ALONG CREEK, 1999)

FOUND ON UNDEVELOPED LANDS JUST S OF LOS ESTEROS RD, ON SAN JOSE-SANTA CLARA REGIONAL WASTEWATER FACILITY LAND, IN PARKING LOT ISLANDS OF JUBILEE CHURCH & SJ FIRE STATION 25, ARZENO RANCH, & ALONG E SIDEWALK OF DISK DR, & W SIDE ZANKER R

MAPPED GENERALLY TO LOCALITY PROVIDED FOR MAP KEY #26 IN JENNINGS 1999 REPORT

HANNIBAL (1908) WROTE THAT HE FOUND SPECIMENS IN "QUITO CREEK, OR CAMPBELLS CREEK, STA. CLARA TO S.F. BAY." HANHAM SPECIMEN WITH LOCALITY "SANTA CLARA, QUITO CREEK [SARATOGA CREEK], AGNEW" MAPPED HERE

MAPPED GENERALLY TO CREEK CONFLUENCE BASED ON JENNINGS (1999) LOCALITY "POND AT SAN TOMAS AQUINO CREEK - SARATOGA CREEK" (MAP KEY #37). EXACT LOCATION UNKNOWN

MAPPED TO INCLUDE 13 TRAP LOCATIONS FROM 2011-12 STUDY; 2006 TRAP LOCATIONS UNKNOWN BUT IN SAME AREA ALONG CHANNELS ON EITHER SIDE OF BAY TRAIL. INATURALIST DETECTIONS AT E END OF OCCURRENCE, IN BAYLANDS PARK. 2019 FSF ALONG MARRIAGE R

LOCALITY IN DALL (1908): "FROM GUADALUPE CREEK, SAN JOSE & SAN FRANCISCO BAY;" HANNIBAL (1908) WROTE "...SAN JOSE TO STA. CLARA." SPECIMENS W/SIMILAR LOCALITIES MAPPED HERE; ONE REFERS TO "HANNIBAL RANCH," BAY TREE FARM NEAR ALVISO

BURROWS ARE LOCATED IN FRONT OF THE MAIN BUILDING AND ALL THE WAY AROUND TO THE BASEBALL FIELD. ALSO LOCATED AT "EDGE OF A BUSY PARKING LOT" ON CAMPUS, 1998

LOCATION GIVEN BY MVZ AS "ALVISO SLOUGH" AND "BAYSHORE, MOUTH OF ALVISO SLOUGH" (1947). 2 MILE (APPROX) STRETCH OF SLOUGH MAPPED

MAPPED TO PROVIDED SHAPFILE

TRAPS SET ALONG EDGES OF SLUDGE LAGOONS AND FLOOD CONTROL CHANNEL. ONE LOCATION TRAPPED 6/4 TO 6/6, 1985 WITH ONE SMHM CAPTURE IN 450 TRAPNIGHTS. OTHER SITE TRAPPED 6/20 TO 6/22, 1985 WITH 10 CAPTURES IN 450 TRAPNIGHT

MAPPED TO PROVIDED MAPS AND COORDINATES.

1999 SITES ARE ON THE OUTSIDE EDGE AROUND THE BALL FIELDS. 1998-2002 SITES ARE SCATTERED AROUND THE PARK

MAPPED TO PROVIDED COORDINATES. INCLUDES PGE TRIMBLE SUBSTATION NEAR NE END OF OCCURRENCE

MVZ: LOCATIONS GIVEN AS "ALVISO" (1894), "ALVISO MARSH" (1899), AND "1 MI N ALVISO" (1934). MAPPED ACCORDING TO UTM COORDINATES PROVIDED BY LIU (2004

ORIGINAL SITE WAS LOCATED NORTH AND WEST OF THE ELMWOOD CORRECTIONAL FACILITY. 2007 OBSERVATION WAS IN THE SEWER DRAINAGE SYSTEM OF ELMWOOD CORRECTIONAL FACILITY (NEAR THE MAIN ENTRANCE

2000-2002 NEST SITE APPEARS TO BE N OF HWY 237. 1991-1992 DETECTIONS WERE ALONG "BERM S OF AND BORDERING STATE ROUTE 237;" OWLS LIKELY EXTIRPATED DUE TO COMPLETED HWY WIDENING & EXTENSIVE DEVELOPMENT, EXCEPT AN "ACTIVE BURROW" ALONG CREE

MAPPED TO PROVIDED MAP. LOCATION IS AT THE END OF AN EFFLUENT CANAL

JUST E OF HOLGER WAY AT ZANKER AND E OF BAYPOINTE PKWY AT ZANKER. NORTH OF CISCO SYSTEMS ON E TASMAN. MAPPED TO PROVIDED AERIAL IMAGES FROM GOOGLE EART

2009 DETECTIONS MADE ALONG THE BANKS OF ALVISO SLOUGH. 2015 DETECTIONS WITHIN THE ALVISO MARINA COUNTY PARK NEAR THE BOARDWALK. EXACT LOCATION FOR 1982 SPECIMENS UNKNOWN; RECORDED ONLY AS "ALVISO" & THEREFORE ATTRIBUTED TO THIS OCCURRENCE

OWLS HAVE NESTED WITHIN THE FREEWAY CLOVER LEAF (2005), THE FLOOD CONTROL FIELD TO THE NE (2005), ON VARIOUS FLOOD CONTROL BERMS/SLOPES IN THE VICINITY (2005, 2008; ARTIFICIAL BURROWS INSTALLED), AND THE BARE DIRT EDGE OF ZANKER (2005

MAPPED TO COORDINATES PROVIDED FOR CAPTURE LOCATION (SOUTH POINT) AND RELEASE LOCATION (NORTH POINT)

SOUTH END OF OCCURRENCE MAPPED TO 2019 DETECTION COORDINATES. NORTH END OF OCCURRENCE MAPPED TO 2023 DETECTION COORDINATES

MAPPED TO PROVIDED COORDINATES AND MAP.

MAPPED TO PROVIDED COORDINATES FOR BURROW AT "HOKIE HIGHWAY," A LEVEE ROAD THAT RUNS WEST BETWEEN TWO RETIRED SALT EVAPORATION PONDS

MAPPED TO PROVIDED COORDINATES.

MAPPED TO COORDINATES PROVIDED.

MAPPED TO PROVIDED MAP.

MAPPED TO PROVIDED COORDINATES ON THE BUFFERLANDS OF SAN JOSE-SANTA CLARA REGIONAL WASTEWATER FACILITY

MAPPED TO PROVIDED COORDINATES.

MAPPED TO PROVIDED COORDINATES.

MAPPED TO PROVIDED COORDINATES.

MAPPED TO PROVIDED COORDINATES.

MAPPED TO PROVIDED COORDINATES ALONG ALVISO SLOUGH TRAIL WITHIN ALVISO MARINA COUNTY PARK

MAPPED TO PROVIDED COORDINATES.

THIS SITE BORDERS A GATED, PAVED ACCESS ROAD TO THE WEST

OWLS OBSERVED BOTH EAST AND WEST OF BARBER LANE, BUT BREEDING TOOK PLACE ON THE WEST SIDE

SITE IS LOCATED IN AN OLD DETENTION BASIN, ADJACENT TO (NORTH OF) THE GREAT MALL OF THE SAN FRANCISCO BAY AREA (OLD FORD PLANT)

1997 TRAPPING STUDY CONDUCTED DOWNSTREAM OF HIGHWAY 101 AND UPSTREAM OF MONTAGUE EXPRESSWAY

BURROW SITE LOCATED 90' NORTH OF ELIZABETH STREET.

BURROWS LOCATED UNDER THE SIDEWALK ON THE SOUTH SIDE OF DEVCON COURT

MAPPED TO PROVIDED COORDINATES.

OWLS SEEN IN UNDEVELOPED PARCEL A FEW FEET FROM THE SIDEWALK

TWO BURROWS LOCATED ABOUT 10 FEET APART IN A MOWED, UNIRRIGATED STRIP BETWEEN PARKING LOTS OF AN OFFICE PARK

MAPPED TO THE EXTENT OF THE POND.

ECOLOGICAL

HISTORICALLY THESE CITIES WERE SURROUNDED BY AGRICULTURE & ORCHARDS; PRESENTLY DEVELOPED AS RESIDENTIAL, RETAIL, & COMMERCIAL BUILDINGS WITH EXTENS

PHOTOGRAPHED INDIVIDUALS SEEN ON LARKSPUR.

AT THE TIME OF THIS COLLECTION THE DOWNTOWN AREA OF SAN JOSE & SANTA CLARA WERE WELL DEVELOPED (1889 & 1899 TOPOS). POSSIBLY COLLECTED FROM THE SUR

HISTORICALLY LIMITED-SIZE RUN; PERSISTS AT LOW LEVELS. SPAWNING DOCUMENTED IN GUADALUPE AS RECENTLY AS 1993, LOS GATOS IN 1998, PHEASANT & HICKS IN 199

RANA BOYLE ESSENTIALLY DISAPPEARED FROM FARMED/URBANIZED LOWLAND AREAS OF SANTA CLARA COUNTY. MOSTLY LIKELY EXTIRPATED

JENNINGS CONSIDERED THIS POPULATION TO BE EXTIRPATED

NO SUITABLE HABITAT REMAINS DUE TO URBANIZATION.

1892: DETECTED ALONG SLOUGH AT HIGH TIDE, AND SITE ON MARSH NEAR SMALL STREAM OF ARTESIAN WATER. 2013: OBSERVED FORAGING IN CALIFORNIA FUSCHIA PLANT

HABITAT WAS ABOUT 2 ACRES. FRESH WATER TULE MARSH.

REFURBISHED STICK NEST LINED SPARSELY WITH LEAVES AND DRY GRASS FOUND 45' UP IN A SCAMORE. THIS HISTORICAL OCCURRENCE IS OUTSIDE WHAT IS GENERALLY CO

1984: FRESHWATER, URBAN RUNOFF & SEWAGE EFFLUENT MIXED WITH SALTWATER IN THIS TIDAL AREA. 85 LOCATIONS WERE OBSERVED IN BRACKISH MARSH VEG & 13 IN

HABITAT WAS ABOUT 0.25 ACRES. 1992: COLONY NESTING IN POISON HEMLOCK AND COYOTE BRUSH. MANY RED-WINGED BLACKBIRDS OCCUPYING AREA IN 1994

HABITAT WAS ABOUT 2 ACRES. RUSSIAN THISTLE IN 1992; SUBSEQUENTLY DISKED. GOOD STAND OF THISTLE IN 1993. NO VEGETATION IN 1994

1999: BOTH ACTIVE AND INACTIVE SALT EVAPORATOR POND AREA, SURROUNDING AREA IS SALT PONDS AND BRACKISH MARSH. 2009: POND A8 FLOODED TO EXCLUDE FLOW

HABITAT CONSISTS OF MOWED HERBACEOUS VEGETATION BETWEEN THE RUNWAYS AND TAXIWAYS OF THE AIRPORT. AIRPORT IS SURROUNDED BY URBAN DEVELOPMENT

HANNIBAL (1908) WROTE THAT THE CREEK WAS SEASONAL ABOVE SAN JOSE, WHICH MARKED THE UPPER LIMIT OF THE MUSSEL'S DISTRIBUTION. DALL (1908) DESCRIBED HA

DIKED-OFF MARSH BISECTED WITH DEEP TIDAL SLOUGH REMNANTS (FOR ABOUT 35 YEARS). SITE IS RAIN-SOAKED, OFTEN ALGAE-COATED PICKLEWEED-DOMINATED MARSH.

DIKED SALT MARSH W/SOME PORTIONS BECOMING INCREASINGLY BRACKISH.

NESTS IN TIDAL, BRACKISH MARSH. VEGETATION TYPES: ALKALI BULRUSH[SCIRPUS ROBUSTUS], CALIFORNIA BULRUSH [S. CALIFORNICUS], PEPPERGRASS (LEPIDIUM LATIFOLIUM)

FAIR TO EXCELLENT HABITAT IN FLAT AREA, W/BARE SOIL TO RUDERAL VEG, HAY & FALLOW FIELDS, GRASSLANDS, ROADS, PARKING LOTS. ARTIFICIAL BURROWS INSTALLED C

HANNIBAL (1908) WROTE THAT THE CREEK WAS SEASONAL ABOVE SAN JOSE, WHICH MARKED THE UPPER LIMIT OF THE MUSSEL'S DISTRIBUTION. DALL (1908) DESCRIBED HA

SAN TOMAS AQUINO CREEK HAS BEEN CHANNELIZED AND PARTIALLY UNDERGROUND

NEST LOCATED IN A EUCALYPTUS TREE

SALT PONDS & MARSHES ADJACENT TO WATER TREATMENT PLANT & TECH-INDUSTRIAL CAMPUSES. 2011-12 STUDY DOCUMENTED EFFECTS OF BAY TRAIL RECREATION USE

DALL (1908): FOUND IN SLOPING CLAY BANKS, 4-24" BELOW WATER LEVEL; SOLITARY OR IN GROUPS IN HORIZONTAL. BURROWS SHOW TO SURFACE. DALL DESCRIBED HANNI

HABITAT CONSISTS OF MOWED HERBACEOUS VEGETATION, WITH GROUND SQUIRREL BURROWS IN DESIGNATED BUOW HABITAT AREAS

GOLF COURSE.

HABITAT CONSISTS OF REHABILITATED (FROM A HIGHLY-DISTURBED DIKED MARSH FULL OF EXOTIC GRASSES) TO SALTMARSH, DOMINATED BY HALOPHYTIC TIDAL VEGETATION

HABITAT SURROUNDING BURROW SITES CONSISTED OF A MIX OF FRESH EMERGENT WETLAND VEGETATION AND RUDERAL, HEAVILY VEGETATED BY ANNUAL GRASSES. MOS

NON-NATIVE GRASSLAND.

GROUND SQUIRREL BURROWS PRESENT. GOOGLE EARTH AERIALS & STREET VIEW, GRADING/DEVELOPMENT APPEARS TO HAVE ELIMINATED HABITAT AT S END OF OCCURRENCE

HABITAT CONSISTS OF RESTORED COASTAL SALT MARSH VEGETATED BY SALICORNIA VIRGINICA. SURROUNDING LAND USE: WILDLIFE REFUGE, SALT POND, RESIDENTIAL AN

HABITAT CONSISTS OF RUDERAL AND DISKED GRASSLAND; SURROUNDING AREAS HEAVILY DEVELOPED, INCLUDING A PRISON FACILITY

BASKING HABITAT ON SHORE OF POND IN PUBLIC PARK, SURROUNDED BY URBAN DEVELOPMENT

BASKING ON SHORE IN CATTAILS, ON LOGS, ON BRANCHES IN WATER, AND SWIMMING

HABITAT CONSISTS OF FAIRLY OPEN ULAGO/RUDERAL, MADE UP PRIMARILY OF ANNUAL GRASSES. CHUNKS OF CONCRETE AT THE SITE SERVE AS PERCHES. MANY GROUND S

VEGETATION TYPE AT THIS EXACT LOCATION IS UNKNOWN BUT SURROUNDING AREAS INCLUDED MARSHLAND, TREATED SEWAGE EFFLUENT CHANNELS, AND URBANIZED AR

ANNUAL GRASSLAND AND MIXED HERBACEOUS VEGETATION RECENTLY GRAZED BY SHEEP; FLAT. SURROUNDING LAND USE IS BUS PARKING & FUELING STATION, URBAN STR

BRACKISH MARSH VEGETATION AND MUDFLATS WITH TIDAL INFLUENCE. PLANT COMMUNITY AT WATER'S EDGE COMPOSED PRIMARILY OF BULRUSH WITH PICKLEWEED, SA

HABITAT CONSISTS OF A LANDSCAPED CLOVERLEAF COVERED W/ BARK CHIPS & DEVOID OF VEGETATION, BUT CONTAINING GROUND SQUIRREL BURROWS; AND OF A FIELD,

DETECTED IN STORMWATER DETENTION BASIN, ABOUT 4-6" DEEP. SURROUNDED BY BULRUSH AND CATTAILS. INDIVIDUAL WAS CAPTURED DURING FISH SALVAGE WORK PRI

RIVER WITH PUBLIC PARK TO THE NORTH AND WEST, SURROUNDED BY URBAN DEVELOPMENT

VACANT FIELD SURROUNDED BY INTENSE URBAN DEVELOPMENT

BURROW ON LEVEE THAT IS EARTHEN WITH SCATTERED CONCRETE THAT WAS DISPOSED SOME TIME AGO. IT WAS ON THE EDGE OF A VEHICLE PULL OUT IN AN AREA FREE O

WAS AN OPEN FIELD OF NON-NATIVE GRASSES, WEEDS, AND BARE SOIL. NOW CONVERTED TO HIGH DENSITY HOUSING (2011-2012)

SITE ADJACENT TO AN URBAN PARK, A SCHOOL, AND URBAN RESIDENTIAL AREAS. WITHIN EXTENSIVE URBAN DEVELOPMENT

HABITAT WAS FLAT, WITH MIXED HERBACEOUS SPECIES. 235 GROUND SQUIRREL BURROWS WERE COUNTED ON SITE. THE ENTIRE PARCEL HAS BEEN PAVED OVER TO BECOM

NESTS IN TIDAL, BRACKISH MARSH.

HABITAT CONSISTS OF DIKED SALTMARSH, VEGETATED BY SALICORNIA AND DISTICHLIS; PILES OF CONCRETE RUBBLE PROVIDED HOUSE MOUSE HABITAT

UNUSUAL NEST IN A PALM TREE (PHOENIX CANARIENSIS); CLUSTER OF 5 PALM TREES IN OPEN GRASSLAND HABITAT. REGULAR DETECTIONS DURING MONTHLY BURROWING

CHANNEL WITH SPORTS PARK TO EAST, STEVENS CREEK QUARRY TO WEST, SALT PONDS TO NORTH, AND INDUSTRIAL DEVELOPMENT TO SOUTH. DISTURBANCE NOTED FROM

POND WITHIN PENITENCIA CREEK COUNTY PARK, SURROUNDED BY DEVELOPMENT. GOOGLE EARTH IMAGES SHOW THIS POND DRIED AROUND 2015 AND STAYED THAT WAY

RIPIARIAN WOODLAND ALONG PERENNIAL SIDE CHANNEL TO THE GUADALUPE RIVER. RIPIARIAN VEGETATION INCLUDED COYOTE BRUSH, COTTONWOOD, ASH, AND WILLOW

LOW-GRADIENT, WARM (66-72 F) URBAN STREAM WITH LONG POOLS, DEEP RUNS, AND SHORT FASTWATER RIFLES. FLASHY STREAMFLOW AFTER STORMS FROM URBAN RU

INDIVIDUAL SEEN ON CARROT. SURROUNDING LAND CONSISTS OF TIDAL MARSH, SLOUGH, AND SALT POND HABITAT WITH RESIDENTIAL DEVELOPMENTS TO THE SE

WITHIN GUADALUPE RIVER PARKCHAIN, SURROUNDED BY URBAN DEVELOPMENT.

HABITAT CONSISTS OF FLAT, OPEN GRASSLAND DOMINATED BY NON-NATIVE GRASSES AND HERBACEOUS WEEDS; THIS VACANT FIELD IS DISKED ANNUALLY

HABITAT CONSISTS OF A WEST-FACING SLOPE CONTAINING NUMEROUS GROUND SQUIRREL BURROWS & CONSISTING OF MIXED HERBACEOUS VEGETATION, LOW-GROWING

HABITAT CONSISTS OF RUDERAL, AN OPEN SITE VEGETATED BY RUSSIAN THISTLE AND NON-NATIVE GRASSES

HABITAT SURROUNDING BURROW IS RUDERAL, WITH RUSSIAN THISTLE, NON-NATIVE GRASSES, AND OTHER THISTLES. NUMEROUS GROUND SQUIRREL BURROWS IN THE ARE

HABITAT CONSISTS OF AN URBAN STREAM WITH ENGINEERED BANKS; DOMINATED BY EMERGENT VEGETATION AND RUDERAL VEGETATION

HABITAT CONSISTS OF DISTURBED SALTGRASS/PICKLEWEED IN A FLAT, MARSHY AREA

HABITAT CONSISTS OF MIXED RUDERAL VEGETATION ON A FLAT, VACANT SITE (ABOUT 7 HECTARES) SURROUNDED BY BUSSINESS PARKS AND HIGH VOLUME ROADS. SITE QU

NEST TREE IS A MATURE COTTONWOOD WITHIN THE RIPIARIAN CORRIDOR, SURROUNDED BY COMMERCIAL AND RESIDENTIAL DEVELOPMENT. AERIAL

ROAD SHOULDER BARE OF VEGETATION, FLAT, ADJACENT TO SALT MARSH WETLAND

NEST TREE IS AN ORNAMENTAL PINE; RUDERAL GRASSLAND SURROUNDS THE PUMPING SUBSTATION

HABITAT CONSISTED OF NON-NATIVE GRASSLAND AND WEEDY SPECIES WITH MANY GROUND SQUIRRELS PRESENT IN THE AREA. AERIAL PHOTOS SHOW THAT THIS SITE HAS

BURROW SITES ARE LOCATED IN A STRIP MEASURING 200 X 1000 FEET, WITH DAISY BUSHES AND EARTH BERMS AROUND THE EDGES THAT SERVE AS PERCHES. 2009 AERIAL

PERCOLATION POND SURROUNDED BY LANDSCAPED PUBLIC PARK ADJACENT TO LOWER PENITENCIA CREEK, SURROUNDED BY URBAN DEVELOPMENT. BASKING HABITAT FR

GENERAL	THREAT
ONE WAS COLLECTED ON 1 JUN 1941 NEAR ALUM ROCK, AND ONE WAS COLLECTED IN AUG 1949 NEAR SAN JOSE COLLECTIONS FROM 1897, 1906, 1936, 1955, 1959, AND 1979 1 FEMALE COLLECTED 28 MAR 1896; 2 FEMALES COLLECTED 2 APR 1903. 3 FEMALES COLLECTED 15 APR 1903. 1 FEMALE SEEN 10 JUN 2021. 1 FEMALE SEEN 11 AUG 2021 HISTORIC RECORD. MUSEUM COLLECTION SU 879. JENNINGS CONSIDERS THIS SITE EXTIRPATED 1 COLLECTED IN OCTOBER 1895. 2 COLLECTED ON UNKNOWN DATE PRIOR TO MAY 1899. 4 COLLECTED BY HANNIBAL ON UNKNOWN DATE, LIKELY PRIOR TO 1914. 3 COLLECTED ON UNKNOWN DATE THIS OCCURRENCE IS KNOWN FROM A COLLECTION MADE IN 1892. MOST OF THIS AREA HAS BEEN DEVELOPED SINCE THAT TIME. OCCURRENCE IS PRESUMED EXTIRPATED COLLECTED 12 APR 1954. REPORTEDLY, FIRST DOCUMENTED IN GUADALUPE RIVER IN 1700S & AGAIN IN 1905. OBSERVED IN GUADALUPE AS RECENTLY AS 2004 AND LOS GATOS IN 2001 (RESIDENT TROUT IN 2005). 3 JUVENILES OBS IN ALAMITOS CREEK, MAY-JUN 2001 1 FEMALE SPECIMEN (MVZ #182428) COLLECTED BY WILLIAM E. RAINEY ON 4 DEC 1990 1935: 1 FEMALE 10 MAY (UBCBMM #M000069), 4 FEMALES & 1 MALE 13 MAY (MVZ #M000067, M000068, M017230, M017231, UBCBMM #M00069, M017229). 1942: 1 FEMALE 22 MAR (LACM #8920). 1943: 5 COLLECTED 24 APR (UAM #3447, LACM #69485-69487,6952! 5 FEMALES COLLECTED BY STAGER 14 & 23 APR 1942, LACM #8922-8926. 5 MALES & 5 FEMALES COLLECTED 14 APR, 6, 13, 20 & 26 MAY 1942, LACM #69449, 11659-11667, 3 MALE, 1 FEMALE & 1 UNK. COLLECTED 24 APR 1943, LACM #69528-69531, BY CONSTANTIN 1 MALE COLLECTED ON 27 DEC 1891. COLLECTED ON UNKNOWN DATE. 3 COLLECTED IN OCT 1922 1 COLLECTED FROM STOMACH OF THAMNOPHIS ELEGANS ON 25 MAY 1904 MVZ SPECIMENS #115053-55 COLLECTED IN 1951. 1 COLLECTED 29 FEB 1892; MORE SEEN IN VICINITY ON UNKNOWN DATE[S]. 3 COLLECTED 14 DEC 1898. 1 OBSERVED FORAGING AND CALLING ON 22 OCT 201! ABOUT 200-300 TRICOLORED BLACKBIRDS MIXED WITH RED-WINGED BLACKBIRDS OBSERVED BREEDING IN 1993. 0 BIRDS OBSERVED ON 23 APR 1994 AND 22 APR 1995. 20 ADULTS SEEN NEARBY ON 31 JUL 2019 BUT NO EVIDENCE OF REPRODUCTION REPORTE 5 COLLECTION BY H. HANNIBAL ON UNKNOWN DATE (USNM 252215). TAYLOR & KELLOGG REFERENCES SAME COLLECTION (IN KEL80R0001), AND KELLOGG CONCLUDED COLL EARLY THIS CENTURY SINCE HANNIBAL WAS BORN IN ALVISO IN 188 LACM #1373 COLLECTED BY J.M. HYDE ON 1 MAY 1893. BIRD FLUSHED FROM NEST. 2 EGGS COLLECTED ON 30 APR 1889 NEST WITH EGG COLLECTED ON 17 JUN 1899 6-8 BREEDING PAIRS ESTIMATED TO BE IN THE AREA IN 1976. SINGING MALES DETECTED AT ABOUT 98 LOCATIONS BETWEEN MAR & JUL 1984. 5 ADULTS AND 1 JUVENILE MALE OBSERVED FORAGING 11 AUG 199: 20-30 TRICOLORED BLACKBIRDS OBSERVED NESTING IN 1992. 0 BIRDS OBSERVED IN 1993 AND ON 23 APR 1994 AND 22 APR 1995. 6 FEMALES MISTED NETTED AND RELEASED ON 9 MAY 2021; NO EVIDENCE OF REPRODUCTION REPORTE A SMALL COLONY OF ABOUT 12 PAIRS OBSERVED BREEDING IN 1992. 0 BIRDS OBSERVED IN 1993 AND ON 23 APR 1995 AND 22 APR 1996 1971: NESTING. 1999: BIRDS OBS JAN-NOV BUT NO MENTION OF NESTS. JAN: 4 BIRDS; MAR: 18; APR: 8; MAY: 8; JUN: 4; NOV: 3 BIRDS. 2007: 2 NESTS. 2009: 1 NEST ON ROAD NEXT TO AB. 5 NESTS IN NCM. 0 NESTS IN A1 YR(UJVAD) (RATIO). 90:19/280(7). 91:11/120(9). 97:68/780(3). 98:92/50(1.8). 99:101/48(2.1). 00:90/42(2.1). 01:129/6(2.1). 02:126/8(2(1.5). 03:70/57(1.2). 04:109/49(2.2). 05:87/47(1.9). 06:64/50(1.3). 08:38/16(2.4). 09:40/19(2. 1 MALE COLLECTED (MVZ #97481-97490) DURING 16 SEP 1947 AT LEAST 16 SPECIMENS COLLECTED ON UNKNOWN DATES, SOME PRIOR TO 1933. 3 COLLECTED BY HANNIBAL IN 1908 AND 12 IN 1913. CONSIDERED A HISTORICAL OCCURRENCE 25 COLLECTED IN 1960. TRAPPING OVER 25 YEARS HAS YIELDED FEW MICE; DURING 3.5 MONTHS OF TRAPPING DURING 1986, 65 INDIVIDUALS CAPTURED. 8 ADULT MICE SEEN 16 DEC 1990 IN REFUGE & 6 CAPTURED IN MAY 1990 ON PRIVATE (SE) LAN MVZ SPECIMENS COLLECTED FROM 1950-51 & 1970: 139194-95, 114979-115052, 115512-16, 115521-39. LAST KNOWN RECORD OF A SHREW CAPTURE WAS IN 1976, LISTED ONLY AS S. VAGRANS. AREA TRAPPED IN 1975, 1977 & 1980 W/NO SHREWS RECORDE 6 PAIRS OBSERVED ALONG GUADALUPE CREEK DURING MARCH TO JULY 1985 SURVEY. 7-12 INDIVIDUALS OBS JUN 1997. 1999: POND A4, 1-6 OBS EACH TIME FROM 3/10-6/30 (10 SAMPLE DATES=50); POND A8, 1-6 OBS FROM 5/13-6/30 (8 SD); MARSH, 15-32 OBS (8 SE 2000; 2 ADULTS. 3 JUVENILES. 2001: 4 AD. 2004: 3 AD. 2005: 3 AD. 5 JUV. 2006: 2 PAIRS. 2008: 6 PAIRS, 2 JUV. 2009: 8 AD, 12 JUV. 2012: 2 AD, 4 JUV. 2013: 3+ NESTING PAIRS. 2014: 8+ NESTING PAIRS. 2015: UP TO 31 AD, 46 JUV. JAN 2016: 13 # DETECTED BY 1. BOUNDY BETWEEN JUL 1987 & MAY 1989 3 COLLECTED ON UNKNOWN DATES. COLLECTED BY HANNIBAL ON UNKNOWN DATE PRIOR TO 1908 8- 10 PAIRS NESTED IN THIS AREA DURING 1971. DETECTED BY 1. BOUNDY BETWEEN JUL 1987 & JUL 1989 ALTHOUGH ADULTS WERE OBSERVED DURING TWO AERIAL SURVEYS, NO YOUNG WERE EVER OBSERVED AT THE NEST 51 CAPTURED IN 2006 (41M, 3F, 7 JUVS). 346 OBSERVATIONS & 13 CAPTURES (6M, 2F, 5 JUVS) IN 2011-2012. 2 ADULTS OBSERVED IN CHANNEL ON 1 FEB 2019. OVER 50 INATURALIST OBSERVATIONS OF 1-3 TURTLES POSTED FROM 2016 TO 201 MULTIPLE SPECIMENS COLLECTED ON UNKNOWN DATES! AT LEAST SOME WERE COLLECTED BY H. HANNIBAL PRIOR TO 1908. CONSIDERED A HISTORICAL OCCURRENCE 14 ADULTS & UNK # OF JULY 1993. 12 PAIRS, 1998. 2 PAIRS, 3 YOUNG, & 7 OTHER ADULTS OBS, 2002. YEAR: # OF NESTS; 98:11. 99:8. 00:7. 01:8. 02:8. 03:3. 04:3. 05:1. 2 PAIRS & 12 YOUNG, 2009. 4 AD & 3 JUV. 2010. 3 AD 2011. NONE FOUND 2012-20!	THE SANTA CLARA VALLEY IS FAR MORE DEVELOPED SINCE THE TIME OF THIS COLLECTION AREA HAS BEEN HIGHLY DEVELOPED SINCE PROBABLE DATES OF COLLECTION; POSSIBLY EXTIRPATED AGRICULTURAL DIVERSIONS, DAMS BUILT IN 1960S, CHANNEL MODIFICATION (BAD & GOOD THERE HAS BEEN EXTENSIVE DEVELOPMENT IN THIS AREA SINCE THE COLLECTION WAS MADE EXTENSIVE DEVELOPMENT SINCE THE DATE OF COLLECTION HAS ELIMINATED NESTING AND FORAGING HABITAT DEVELOPMENT HAS ELIMINATED HABITAT IN THIS AREA. IN 1984, POTENTIAL THREATS INCLUDED A PROPOSED CHANGE IN FLOOD REGULATION & EFFLUENT DISCHARGE AS WELL AS DEVELOPMENT THREATENED BY CONSTRUCTION (AIRPORT IMPROVEMENTS) AND HABITAT DEGRADATION OCCURRENCE POSSIBLY/LIKELY EXTIRPATED DUE TO EXTENSIVE DEVELOPMENT IN THIS AREA DUMP EXPANSION (PRIVATE LAND). BETTER WATER MANAGEMENT COULD HELP THIS SITE DEVELOPMENT (IBM BUILT AT CURSOR CT ~2002; FUTURE WATER TREATMENT PLANT EXPANSION), TRAFFIC, VANDALS, DISKING, FLOODING OCCURRENCE POSSIBLY/LIKELY EXTIRPATED DUE TO EXTENSIVE DEVELOPMENT IN THIS AREA HUMAN DISTURBANCE, ESPECIALLY MOTOR VEHICLE TRAFFIC; AGGRESSIVE COMPETITION FROM RED-EARED SLIDERS HANNIBAL (1908): EXTIRPATED BELOW SANTA CLARA DUE TO SEWAGE. PROBABLY EXTIRPATED FROM NEST OF CREEK DUE TO DEVELOPMENT THREATENED BY THE HIGH LEVEL OF HUMAN ACTIVITIES, INCLUDING RECREATION AND DEVELOPMENT THREATENED BY POSSIBLE FLOODING FROM THE FLOOD CONTROL CHANNEL THREATENED BY URBAN DEVELOPMENT. THREAT CONSISTS OF POSSIBLE CONSTRUCTION ACTIVITY. EXPANSION OF SPORTS FIELD COMPLEX HABITAT LOSS DUE TO DEVELOPMENT. VEHICLE COLLISIONS. TRESPASSING, DOGS OFF LEASH, AREA SLATED FOR DEVELOPMENT (2015) THREATS INCLUDE THE DISKING OF SOME AREAS, HEAVY DEVELOPMENT OF SURROUNDING AREAS, AND PROXIMITY OF SITE TO MAJOR ROADS CAPTURE BY PEOPLE, MAINTENANCE ACTIVITIES. WIDENING OF STATE ROUTE 237 (1992; LIKELY EXTIRPATED NOW) HUMAN DISTURBANCE, MAINTENANCE ACTIVITY, PREDATION. MAIN THREAT TO THIS SITE IS DEVELOPMENT, AS ADVERTISED ON SIGNS AROUND THE PROPERTY IN 1984, POTENTIAL THREATS INCLUDED A PROPOSED CHANGE IN FLOOD REGULATION & EFFLUENT DISCHARGE THREATENED BY FERAL CATS. VEGETATION REMOVAL AND DREDGING. THREATENED BY DISKING ON WATER POLLUTION CONTROL PLANT FIELDS, OCCASIONAL FLOODING, ROAD MAINTENANCE, & CAR COLLISIONS THREATENED BY DEVELOPMENT. DEVELOPMENT IN 2012 DESTROYED HABITAT IN THIS AREA. THREATENED BY DEVELOPMENT, PREDATORS, AND INVASIVE TALL VEGETATION SITE LOST DUE TO WIDENING OF DIXON LANDING ROAD FOR MCCARTHY RANCH POTENTIAL FUTURE DEVELOPMENT. CAPTURE BY PEOPLE, INJURY OR DEATH FROM MAINTENANCE ACTIVITY, VEHICLES, PETS, URBAN-ASSOCIATED PREDATORS BULLFROGS ALSO OBSERVED. WATER POLLUTION FROM TRASH DUMPING, HOMELESS CAMPING NEARBY POLLUTANTS FROM STREET RUNOFF, WATER DIVERSIONS & MANIPULATIONS, TRASH & PLASTIC REFUSE THREATENED BY ANNUAL DISKING AND OTHER HUMAN ACTIVITIES. THREATS INCLUDE CONSTRUCTION/DEVELOPMENT AND VEHICLE TRAFFIC. THREATENED BY DEVELOPMENT. THREATENED BY DEVELOPMENT. THREATENED BY EXOTIC PREDATORS (BASS & BULLFROGS), HIGH FLOWS FROM URBAN RUNOFF, & LACK OF OVERWINTERING/NESTING AREAS THREATENED BY POTENTIAL FLOODING. THREATENED BY DISKING / SCRAPING FOR FIRE CONTROL & FERAL ANIMALS. ROAD IN PLACE FOR POTENTIAL FUTURE DEVELOPMENT THREATENED BY HUMAN ENCROACHMENT AND RAPID LOSS OF SUITABLE HABITAT. THREATENED BY HUMAN DISTURBANCE, ROAD MAINTENANCE/COLLISIONS, AND VANDALISM THREATENED BY HUMAN ACTIVITIES AT THE SEWER SUBSTATION AND FUTURE DEVELOPMENT OF ADJACENT LAND THREATENED BY PROPOSED DEVELOPMENT (1993). DEVELOPED PRIOR TO 2000 SITE THREATENED BY FURTHER DEVELOPMENT; POSSIBLY FOR ADDITIONAL PARKING VEHICLE TRAFFIC, PETS, HUMAN INTERACTION, DEVELOPMENT, URBAN PREDATORS. RED-EARED SLIDERS VISIBLE NEARBY IN INATURALIST

THREATLIST	LASTUPDATE	AREA	PERIMETER	AVLCODE	Symbology
Development	20170718	201059270.9	50265.31737	21001	210
	20160121	201053480.7	50265.06422	21008	810
	20250527	201053480.7	50265.06422	21008	810
	20011114	201053480.7	50265.06422	21008	810
	20171027	201053480.7	50265.06422	21008	810
	20200811	201053480.7	50265.06422	21008	810
	20241125	201053480.7	50265.06422	21008	810
	20150715	201053480.7	50265.06422	21008	810
	20180329	20869010.43	138617.0328	20301	203
	20070319	8042069.369	10052.9691	20901	209
Agriculture; Altered flood/tidal/hydrologic regime; Dam/inundation; Surface water diversion; Waterway bank protection/maintenance	20140513	8042068.706	10052.96888	20903	809
	20061004	8042068.706	10052.96888	20903	809
	20170404	8041750.507	10052.87191	20901	209
	20180711	8041669.622	10052.84422	20901	209
	20180720	8041669.04	10052.84384	20901	209
	19940509	8006404.13	10043.30718	20901	209
	20170710	8006274.832	10043.22377	20907	809
	20230919	8006274.832	10043.22377	20907	809
	20121205	8006274.832	10043.22377	20907	809
	20070319	8006255.244	10043.21496	20903	809
Development	20131022	8006255.244	10043.21496	20903	809
Development	20150403	8006108.054	10043.1219	20902	809
Altered flood/tidal/hydrologic regime; Development	20120621	5933058.393	33402.31957	20301	203
	20230918	5308758.962	8167.94018	20801	208
	20161017	5308756.395	8167.934804	20801	208
	20100625	4685169.214	16428.16458	20301	203
	20091223	8513027.49	8823.847349	20301	203
	20050412	3141433.154	6283.105554	20701	207
	20200821	2075716.575	20009.13467	20301	203
	20150303	1827322.135	6768.276975	20302	803
	19981228	1827322.135	6768.276975	20302	803
	20050201	1688855.215	11425.081	20301	203
Development; Disking; Other; Vandalism/dumping/litter; Vehicle collisions	20160308	1471607.129	6756.617028	20301	203
	20230727	1248109.103	8779.588895	20301	203
	20200811	1220066.056	12507.98634	20301	203
	20020822	1130906.52	3769.872482	20601	206
	20230811	1130517.359	3769.53116	20601	206
	19931027	1125881.656	3766.20853	20601	206
	20230727	1037306.163	7913.879802	20301	203
	20200821	962339.1695	9911.056095	20301	203
	20151001	874535.5579	3684.261876	20301	203
	19990917	677639.6822	11151.14236	20302	803
Non-native animal impacts; Recreational use (non-ORV)	20050412	677639.6822	11151.14236	20302	803
	20151005	570088.5115	3862.760109	20301	203
	20031119	542141.6676	7287.749056	20301	203
	20151005	375780.9023	2496.836905	20301	203
	20080311	343399.412	4499.455479	20301	203
	19960108	281475.9175	1883.122691	20501	205
	19890810	281475.9131	1883.122682	20501	205
	20080310	243223.8635	2722.679776	20301	203
	20170308	225863.0116	3414.686887	20201	202
	20050314	191069.482	2640.432848	20301	203
Development; Disking; Road/trail construction/maint. Other; Over-collecting/poaching Road/trail construction/maint. Other	20070618	106836.7145	1826.512788	20301	203
	20230804	77714.16107	1041.543347	20301	203
	20151012	74621.31815	1420.417777	20301	203
	20171018	70685.21028	942.475752	20401	204
	20030310	70603.31439	942.2050281	20401	204
	20120508	70602.60332	942.2002849	20401	204
	20151001	61116.87397	1301.672065	20201	202
	20170330	60222.38895	1507.426663	20201	202
	20090909	54004.12435	933.1055903	20301	203
	20181004	40128.84647	1004.787045	20201	202
Development	20230804	39023.44899	838.9787774	20201	202
	20151001	20105.85585	502.652701	20101	201
	20150930	20105.85367	502.6526738	20101	201
	20151001	20105.84974	502.6526245	20101	201
	20171024	20105.84211	502.852529	20101	201
	20151012	20105.83749	502.6524713	20101	201
	19990907	20105.42393	502.6515915	20101	201
	19981203	20105.36733	502.650884	20101	201
	20220406	20073.77516	502.4521656	20101	201
	20230724	20073.77516	502.4521656	20101	201
Development; Non-native animal impacts; Other; Over-collecting/poaching; Vehicle collisions Non-native animal impacts; Pollution; Vandalism/dumping/litter Erosion/runoff; Other; Pollution; Surface water diversion; Vandalism/dumping/litter	20230814	20073.7751	502.4521648	20101	201
	20230720	20073.7751	502.4521648	20101	201
	20230714	20073.7751	502.4521648	20101	201
	20250506	20073.77502	502.4521656	20101	201
	20230714	20073.77499	502.4521648	20101	201
	20050829	20024.04507	502.1922811	20101	201
	20030312	20023.56389	502.1394114	20101	201
	20006029	20023.52056	502.138868	20101	201
	20001010	20023.4999	502.1386073	20101	201
	20050830	20023.32894	502.1364652	20101	201
Development; Disking; Non-native animal impacts Other	20040325	20023.32714	502.1364421	20101	201
	20091223	20023.3252	502.1364198	20101	201
	20080310	20023.32494	502.1364149	20101	201
	20071128	20023.32386	502.1364014	20101	201
	20091021	20023.32386	502.1364014	20101	201
	20040511	20023.24375	502.1354043	20101	201
	20090903	20023.14404	502.1341739	20101	201
	20091222	20015.39991	502.1576932	20101	201
	20230811	11757.83933	615.65222	20201	202

SNAME	CNAME	ELMCODE	OCCNUMBER	MAPNDX	EONDX	KEYQUAD
Chorizanthe robusta var. robusta	robust spineflower	PDPGN040Q2	19	37885	41067	3712138
Centromadia parryi ssp. congdonii	Congdon's tarplant	PDAST4R0P1	40	42346	42346	3712137
Northern Coastal Salt Marsh	Northern Coastal Salt Marsh	CTT52110CA	16	09551	16146	3712251
Eryngium aristulatum var. hooveri	Hoover's button-celery	PDAP10Z043	9	56032	56048	3712148
Trifolium hydrophilum	saline clover	PDFAB400R5	25	66585	84579	3712138
Trifolium hydrophilum	saline clover	PDFAB400R5	26	09936	84580	3712148
Astragalus tener var. tener	alkali milk-vetch	PDFAB0F8R1	68	09936	51724	3712148
Chloropyron maritimum ssp. palustre	Point Reyes salty bird's-beak	PDSCR0J0C3	22	09936	17542	3712148
Eryngium aristulatum var. hooveri	Hoover's button-celery	PDAP10Z043	8	09936	56047	3712148
Plagiobothrys glaber	hairless popcornflower	PDBOR0V0B0	4	28363	29537	3712138
Astragalus tener var. tener	alkali milk-vetch	PDFAB0F8R1	6	24671	5637	3712148
Northern Coastal Salt Marsh	Northern Coastal Salt Marsh	CTT52110CA	15	09495	16151	3712241
Lasthenia conjugens	Contra Costa goldfields	PDAST5L040	44	28364	113041	3712137
Plagiobothrys glaber	hairless popcornflower	PDBOR0V0B0	3	28364	22576	3712137
Centromadia parryi ssp. congdonii	Congdon's tarplant	PDAST4R0P1	41	42347	42347	3712148
Malacothamnus hallii	Hall's bushmallow	PDMAL0Q0F0	9	28970	30509	3712138
Malacothamnus hallii	Hall's bushmallow	PDMAL0Q0F0	32	B8277	121395	3712148
Centromadia parryi ssp. congdonii	Congdon's tarplant	PDAST4R0P1	18	08777	5640	3712148
Centromadia parryi ssp. congdonii	Congdon's tarplant	PDAST4R0P1	17	83611	5636	3712148

KQUADNAME	KEYCOUNTY	PLSS	ELEVATION	PARTS	ELMTYPE	TAXONGROUP	EOCOUNT	ACCURACY
San Jose West	SCL	T07S, R01E, Sec. 08 (M)	0	1	1 Dicots		8	5 miles
San Jose East	SCL	T07S, R01E, Sec. 21 (M)	100	1	1 Dicots		1	5 miles
Newark	ALA	T05S, R01W, Sec. 18 (M)	15	1	3 Marsh		1	specific area
Milpitas	SCL	T06S, R01W, Sec. 22 (M)	15	1	1 Dicots		1	1 mile
San Jose West	SCL	T07S, R01E, Sec. 08 (M)	0	1	1 Dicots		3	1 mile
Milpitas	SCL	T06S, R01W, Sec. 03 (M)	0	1	1 Dicots		7	1 mile
Milpitas	SCL	T06S, R01W, Sec. 03 (M)	15	1	1 Dicots		7	1 mile
Milpitas	SCL	T06S, R01W, Sec. 03 (M)	5	1	1 Dicots		7	1 mile
Milpitas	SCL	T06S, R01W, Sec. 03 (M)	5	1	1 Dicots		7	1 mile
San Jose West	SCL	T07S, R01W, Sec. 02 (M)	80	1	1 Dicots		3	1 mile
Milpitas	SCL	T06S, R01E, Sec. 07 (M)	20	1	1 Dicots		2	1 mile
Mountain View	SMT	T05S, R02W, Sec. 30 (M)	10	1	3 Marsh		1	specific area
San Jose East	SCL	T07S, R01E, Sec. 10 (M)	50	1	1 Dicots		2	3/5 mile
San Jose East	SCL	T07S, R01E, Sec. 10 (M)	50	1	1 Dicots		2	3/5 mile
Milpitas	SCL	T06S, R01W, Sec. 10 (M)	5	5	1 Dicots		1	specific area
San Jose West	SCL	T07S, R01E, Sec. 06 (M)	40	1	1 Dicots		1	1/5 mile
Milpitas	SCL	T06S, R01W, Sec. 9, W (M)	10	1	1 Dicots		1	1/10 mile
Milpitas	SCL	T06S, R01W, Sec. 17, N (M)	5	2	1 Dicots		1	specific area
Milpitas	SCL	T06S, R01E, Sec. 07, NE (M)	20	1	1 Dicots		1	specific area

PRESENCE	OCCTYPE	OCCRANK	SENSITIVE	SITEDATE	ELMDATE	OWNERMG	FEDLIST	CALLIST
Possibly Extirpated	Natural/Native occurrence	None	N	1882XXXX	1882XXXX	UNKNOWN	Endangered	None
Extirpated	Natural/Native occurrence	None	N	19981004	19080919	UNKNOWN	None	None
Presumed Extant	Natural/Native occurrence	Unknown	N	198511XX	19851024	PVT-LESLIE SALT CO	None	None
Possibly Extirpated	Natural/Native occurrence	None	N	19021019	19021019	UNKNOWN	None	None
Extirpated	Natural/Native occurrence	None	N	190306XX	190306XX	UNKNOWN	None	None
Presumed Extant	Natural/Native occurrence	Unknown	N	1892XXXX	1892XXXX	UNKNOWN	None	None
Possibly Extirpated	Natural/Native occurrence	None	N	190504XX	190504XX	UNKNOWN	None	None
Extirpated	Natural/Native occurrence	None	N	19050621	19050621	UNKNOWN	None	None
Possibly Extirpated	Natural/Native occurrence	None	N	19021020	19021020	UNKNOWN	None	None
Extirpated	Natural/Native occurrence	None	N	1892XXXX	1892XXXX	UNKNOWN	None	None
Extirpated	Natural/Native occurrence	None	N	20020307	19050404	UNKNOWN	None	None
Presumed Extant	Natural/Native occurrence	Good	N	19870529	197706XX	UNKNOWN	None	None
Extirpated	Natural/Native occurrence	None	N	19550402	19550402	UNKNOWN	Endangered	None
Extirpated	Natural/Native occurrence	None	N	19550602	19550602	UNKNOWN	None	None
Presumed Extant	Natural/Native occurrence	Good	N	20160708	20160708	CITY OF SAN JOSE	None	None
Possibly Extirpated	Natural/Native occurrence	None	N	19930724	19761020	UNKNOWN	None	None
Presumed Extant	Natural/Native occurrence	Unknown	N	19550801	19550801	UNKNOWN	None	None
Presumed Extant	Natural/Native occurrence	Good	N	20150728	20150728	CITY OF SUNNYVALE	None	None
Presumed Extant	Natural/Native occurrence	Fair	N	20080918	20080918	PVT	None	None

GRANK	SRANK	RPLANTRANK	CDFWSTATUS	OTHRSTATUS
G2T1	S1	1B.1		
G3T2	S2	1B.1		BLM_S; SB_CaIBG/RSABG
G3	S3.2			
G5T1	S1	1B.1		SB_CaIBG/RSABG
G2	S2	1B.2		
G2	S2	1B.2		
G2T1	S1	1B.2		SB_UCSC
G4?T2	S2	1B.2		BLM_S; SB_CaIBG/RSABG
G5T1	S1	1B.1		SB_CaIBG/RSABG
GX	SX	1A		
G2T1	S1	1B.2		SB_UCSC
G3	S3.2			
G1	S1	1B.1		SB_UCBG
GX	SX	1A		
G3T2	S2	1B.1		BLM_S; SB_CaIBG/RSABG
G2	S2	1B.2		BLM_S; SB_CaIBG/RSABG
G2	S2	1B.2		BLM_S; SB_CaIBG/RSABG
G3T2	S2	1B.1		BLM_S; SB_CaIBG/RSABG
G3T2	S2	1B.1		BLM_S; SB_CaIBG/RSABG

LOCATION

SAN JOSE.

EAST SAN JOSE.

DUMBARTON POINT, SE SAN FRANCISCO BAY.

AGNEWS.

SAN JOSE.

ALVISO.

ALVISO.

NEAR ALVISO.

ALVISO.

SANTA CLARA.

MILPITAS.

NE PALO ALTO SOUTH SAN FRANCISCO BAY.

PASTURE NEAR INTERSECTION OF STORY ROAD AND BAYSHORE HWY NEAR SAN JOSE AIRPORT, ABOUT 3 MILES FROM CENTER OF SAN JOSE.

NEAR INTERSECTION OF STORY ROAD AND BAYSHORE FREEWAY, ABOUT 3 MILES FROM CENTER OF SAN JOSE.

ALVISO; BOTH SIDES OF DISK DRIVE BETWEEN CA-237 AND GRAND BLVD, WSW OF SAN JOSE-SANTA CLARA WASTEWATER FACILITY.

EAST SIDE OF GUADALUPE CREEK JUST NORTH OF HIGHWAY 17, SAN JOSE.

ALONG ALVISO SLOUGH, NEAR SOUTH BAY YACHT CLUB.

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

MILPITAS; ABOUT 0.3 AIR MILE SSW OF THE INTERSECTION OF SR 237 (E CALAVERAS BLVD) AND S MILPITAS BLVD.

LOCDETAILS

EXACT LOCATION UNKNOWN. MAPPED IN GENERAL VICINITY OF SAN JOSE.

EXACT LOCATION NOT KNOWN. MAPPED IN GENERAL AREA OF EASTERN SAN JOSE. TOPOGRAPHY AND SOILS OF AREA AROUND ALUM ROCK AVENUE AND SILVER CREEK
FRINGE OF ISLANDS. PORTION OF AREA IMMEDIATELY SOUTH OF THORNTON AVE DOMINATED BY SALICORNIA.

EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN THE VICINITY OF AGNEW, NORTH OF THE MONTAGUE EXPRESSWAY, WEST OF AGNEWS STATE HIGHWAY.

EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB IN GENERAL VICINITY OF SAN JOSE BUT COLLECTION LOCALITY IS VERY VAGUE.

EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN GENERAL VICINITY OF ALVISO.

MAPPED IN GENERAL VICINITY OF ALVISO BY CNDDDB.

EXACT LOCATION UNKNOWN. MAPPED BY CNDDDB AS A BEST GUESS.

EXACT LOCATION UNKNOWN. MAPPED AS BEST GUESS BY CNDDDB IN THE VICINITY OF ALVISO.

FRINGE OF BAY.

EXACT LOCATION UNKNOWN, MAPPED BY CNDDDB AS A BEST GUESS.

ELEVATION GIVEN ON COLLECTION LABEL IS 50 FEET.

MAPPED AS SEVERAL POLYGONS ACCORDING TO 1998 AND 2013 MAP INFORMATION. HISTORIC COLLECTIONS FROM VICINITY OF ALVISO ARE ALSO ATTRIBUTED TO
25 YARDS EAST OF THE CREEK AND 200 YARDS NORTH OF THE HIGHWAY.

MAPPED BY CNDDDB AS A BEST GUESS.

PLANTS LOCATED IN LOW GROUND, BEYOND A PLANTED GRASSLAND (GREAT MEADOW) USED AS PLAYFIELD. POPULATION EXTENDS TO A WETLAND JUST NORTH OF
ALONG EAST SIDE OF RR TRACKS. MAPPED BY CNDDDB IN THE SOUTH 1/2 OF THE NE 1/4 OF SECTION 7 ACCORDING TO 2008 PRESTON COORDINATES.

ECOLOGICAL

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

IN DRY DITCHES ALONG THE ROADSIDE.

PARTS OF THE MARSH CONTAIN POCKETS OF FRESH WATER, BUT MAJORITY OF AREA IS SALT. DOMINANTS INCLUDE *SALICORNIA VIRGINICA*, *SPARTINA FOLIOSA*, *DISTICHLIS SPICATA*, *FRANKENIA SALINA*, *RUMEX*, *SARCOCORNIA PACIFICA*, *LOLIUM MULTIFLORUM*, *BACCHARIS*, *TYPHA*, *CAREX*, *POPULUS FREMONTII*, AND WEEDY FORBS. DISTICHLIS SPICATA IS THE MOST COMMON SPECIES. SOIL IS HEAVY, CLAY SOIL.

PASTURE. HEAVY CLAY SOIL.

ANNUALLY DISKED RUDERAL FIELD AND NON-NATIVE GRASSLAND WITH *DISTICHLIS SPICATA*, *FRANKENIA SALINA*, *RUMEX*, *SARCOCORNIA PACIFICA*, *LOLIUM MULTIFLORUM*, *BACCHARIS*, *TYPHA*, *CAREX*, *POPULUS FREMONTII*, AND WEEDY FORBS. DISTICHLIS SPICATA IS THE MOST COMMON SPECIES. SOIL IS HEAVY, CLAY SOIL. OBSERVED IN 1976 WITH *BACCHARIS* AND WEEDY FORBS. IN 1993 SITE VEGETATED WITH *BACCHARIS*, *TYPHA*, *CAREX*, *POPULUS FREMONTII*, AND WEEDY FORBS. DISTICHLIS SPICATA IS THE MOST COMMON SPECIES. SOIL IS HEAVY, CLAY SOIL. GROWING IN DISTURBED HABITAT. *SALICORNIA* SALT MARSH.

SITE PRESENTLY RUDERAL AND SEASONAL WETLAND WITH *LOTUS CORNICULATUS*, *HORDEUM MARINUM* SSP. *GUSSONEANUM*, *CRYPIS SCHOENOIDES*, *POLYPOGON MONSPERSONII*, *LOLIUM MULTIFLORUM*, *MALVELLA LEPROSA*, *PICRIS ECHIOIDES*, *LACTUCA SERRIOLA*, *AVENA BARBATA*, AND *BROMUS DIANDRUS*.

GENERAL

ONLY SOURCE OF INFORMATION FOR THIS SITE IS AN 1882 COLLECTION BY PARRY. NEEDS FIELDWORK.

SITE BASED UPON 1908 COLLECTION BY MCMURPHY. AREA SEARCHED IN 1998 BUT HABITAT IS GONE.

SEE [HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COMMUNITIES](https://wildlife.ca.gov/Data/VegCamp/Natural-Communities) TO INTERPRET AND ADDRESS THE PRESENCE OF RARE COMMUNITIES.

ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1902 COLLECTION BY ABRAMS. POSSIBLY EXTIRPATED DUE TO DEVELOPMENT IN THE AREA SINCE DATE

ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1903 COLLECTION BY ELMER. MUCH DEVELOPMENT IN THIS AREA SINCE COLLECTION WAS MADE; PRES

ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS AN 1892 COLLECTION BY BIOLETTI. NEEDS FIELDWORK.

ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1905 COLLECTION BY SMITH.

OCCURRENCE KNOWN FROM TWO 1905 COLLECTIONS BY SMITH FROM ALVISO AND MILPITAS AND AN UNDATED DUDLEY COLLECTION FROM ALVISO. EXTIRPATED A

ONLY SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1902 COLLECTION BY BAKER. POSSIBLY EXTIRPATED DUE TO DEVELOPMENT IN THE AREA SINCE DATE C

ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1892 COLLECTION BY MICHENER AND BIOLETTI.

ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1905 COLLECTION BY R.SMITH. NO HABITAT OR PLANTS OBSERVED IN IMMEDIATE VICINITY OF MILPITAS; ALL URB

UNDISTURBED PORTIONS ARE IN EXCELLENT CONDITION. OTHER PARTS ARE OF VARIABLE QUALITY. SEE [HTTPS://WILDLIFE.CA.GOV/DATA/VEGCAMP/NATURAL-COM](https://wildlife.ca.gov/Data/VegCamp/Natural-Communities)

ONLY SOURCE OF INFORMATION FOR THIS SITE IS A 1955 THOMAS COLLECTION.

ONLY SOURCE OF INFORMATION FOR THIS SITE IS 1955 COLLECTION BY THOMAS. ALVA DAY (1983) SUGGESTS THIS COLLECTION MAY BE A MISIDENTIFICATION; PL

2500 PLANTS OBSERVED IN WEST HALF OF SITE IN 1998. EAST HALF OF SITE: ~1700 PLANTS IN 2011, 1500-2000 PLANTS IN 2013, 15,698 PLANTS IN 2015, 822 PLANTS

SITE BASED ON A 1976 PATTON COLLECTION. CHANDIK SEARCHED THIS AREA IN 1993 BUT NO MALACOTHAMNUS WERE OBSERVED. ID OF COLLECTION NEEDS CONF

MAIN SOURCE OF INFORMATION FOR THIS OCCURRENCE IS A 1955 COLLECTION BY THOMAS. PREVIOUSLY MAPPED AS M. ARCUATUS, SPECIMEN BETTER FITS M. HA

6000 PLANTS OBSERVED IN 1998; MOST PLANTS WITHIN 'NATIVE GRASSLAND' RESTORATION AREA. 8000 PLANTS ESTIMATED BY SANTA CLARA VALLEY CNPS AS REPO

12 PLANTS IN RIGHT OF WAY IN 2002. 100-200 PLANTS IN 2008. 1928 COLLECTION FROM "N CITY LIMITS OF MILPITAS" & 1931 COLLECTION FROM "N MILPITAS" ALS

THREAT

AREA HAS BEEN HIGHLY DEVELOPED SINCE ORIGINAL DATE OF COLLECTION; POSSIBLY EXTIRPATED.
URBAN RESIDENTIAL, COMMERCIAL, AND RETAIL DEVELOPMENT HAVE ELIMINATED APPROPRIATE HABITAT.
DEVELOPMENT A THREAT PER HOCH, SEEN 1985. NEXT TO SALT PONDS.
DEVELOPMENT.
PRESUMABLY EXTIRPATED BY DEVELOPMENT.

MUCH OF THIS AREA IS NOW DEVELOPED.

DEVELOPMENT.
DEVELOPMENT.

NEXT TO SALT PONDS, GOLF COURSE, INDUSTRY AND HOUSING.
AREA HAS BEEN EXTENSIVELY DEVELOPED SINCE COLLECTION WAS MADE, PLANTS PRESUMABLY EXTIRPATED.
DEVELOPMENT.
ANNUAL DISKING, PROPOSED DEVELOPMENT, COMPETITION FROM NON-NATIVE PLANTS, PLANT FACILITY OPERATIONS, GRAZING.
WORK ASSOCIATED WITH CREEK CHANNEL, LEVEES, ETC. MAY HAVE IMPACTED THIS SITE.

PLANTS IN PARK ARE PERIODICALLY MOWED. SITE IS BEST PROTECTED SITE IN SANTA CLARA COUNTY.
THREATENED BY BART EXTENSION PROJECT.

THREATLIST	LASTUPDATE	AREA	PERIMETER	AVLCODE	Symbology
Development	20150831	201053480.7	50265.06422	11008	810
Development	20000207	201053222.9	50265.03216	11001	110
	19980720	16387549.15	96704.48936	30201	302
Development	20040709	8042068.86	10052.96887	10901	109
Development	20200424	8042068.706	10052.96888	10903	809
	20110818	8006274.832	10043.22377	10907	809
	20030708	8006274.832	10043.22377	10907	809
	20070816	8006274.832	10043.22377	10907	809
Development	20040709	8006274.832	10043.22377	10907	809
Development	20221202	8006255.244	10043.21496	10903	809
	20080102	8006108.054	10043.1219	10902	809
	20060827	5173524.384	69394.61539	30201	302
Development	20181017	3141588.655	6283.183648	10702	807
Development	20221202	3141588.655	6283.183648	10702	807
Development; Disking; Grazing; Non-native plant impacts; Other	20190322	415366.2512	4283.714188	10201	102
Other	19970319	281465.1612	1883.086685	10501	105
	20220916	70571.87788	942.0978162	10401	104
Other	20190322	43973.24903	1091.363547	10201	102
Development	20151224	42490.28708	783.985698	10201	102

Accidental		Common		Familiar		CRPRP	GRank	SRank	OtherStatus	CASA	FESA	Bloomingship	Habitat	Mhabitic	Mhabitic	Elevation:	Elevation:	Elevation:	CAEndemic	Status	Counties	Quads	EOTotal	EOA	EOB	EOC	EOE	EOX	EOU	EOHistoric	EORecent	EOExtant	EOPossibly	EOExtrapate	EOThreatlit	ThreatList	ThreatList	Notes	Taxonomy	FuitScientific	Names	ElementC	USADPAFlt	CBRRReason	DataLastUpdated	CRPRChanceDate																																																																																																																																																																																																																																																																																																																																																																																																															
Acantholani Santa Clara/Lamiaeace annual herit							G2	G4	S4	SB_CalBG/None	None	Mar-Jun	Chaparral (often seep rocky)	80	260	1200	3935	TRUE	CA	ALA, F, Calaveras I			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Possibly threatened by Acantholani lances	PDFA80F01 ASLET2							1/1/1974	#####																																																																																																																																																																																																																																																																																																																																																																																																														
Androsace California + Primulaeace annual herit							G2	G5/73/14	S4/S4	SB_CalBG/None	None	Mar-Jun	Chaparral, Cismontane woodland	150	490	1305	4280	FALSE	BA, CA, OR	ALA, CA, CA, Altamont C			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Highly loca Possibly threatened by Androsace elongata s	PPDR0120 ANELA							1/1/1994	#####																																																																																																																																																																																																																																																																																																																																																																																																														
Argemone alkali milk- Fabaceae annual herit							G2	G21	S1	SB_USCNC	None	Mar-Jun	Playas, Valley and foot Alkaline	1	5	60	195	TRUE	CA	ALA, CA, Altamont C			65	1	27	1	2	28	6	59	6	37	18	10	35	12	Agriculture Threatened by development, com	Androsace tenebra v. PDFA80F01 ASLET2							1/1/1994	#####																																																																																																																																																																																																																																																																																																																																																																																																															
Artemix debiliscesca Chenopodiace annual herit							G2	G2	S2	None	None	Apr-Oct	Chenopod scrub, Mesa Alkaline	1	5	320	1050	TRUE	CA	ALA, CA, Allensworth			60	5	18	5	1	1	30	48	12	59	0	1	24	12	Agriculture Threatened by development, gr	Antistrophe depressa	PDCH042 ADTE3					1/1/1994	#####																																																																																																																																																																																																																																																																																																																																																																																																																
Artemix melissifolia Chenopodiace annual herit							G2	G2	S2	None	None	May-Oct	Chenopod scrub, Play Alkaline	15	5	200	655	TRUE	CA	ALA, CA, Allensworth			52	10	18	4	1	2	19	34	18	50	0	1	25	11	Agriculture Threatened by development, exp	Artemix melissifolia	PDCH042 ADTE3					1/1/1994	#####																																																																																																																																																																																																																																																																																																																																																																																																																
Artemix hispidella Asteraceae perennial h							G2	G2	S2	BLM_S, SB_USCNC	None	Mar-Jun	Chaparral, Cismontane Serpentine	40	150	155	5100	TRUE	CA	ALA, Mtn, Jackson H			5	6	20	10	2	0	0	0	0	0	0	0	0	0	0	0	0	Development Threatened by grazing, Balsamorh	Balsamorhiza hirsuta	PDDB0110 BAM43					1/1/1974	#####																																																																																																																																																																																																																																																																																																																																																																																																													
Calandrinea Brewer's cl Montiaceae annual herit							G2	G4	S4	SB_SBPG;	None	(Jan)Mar-Ju	Chaparral, Coastal scil Burned are	10	35	1220	4005	FALSE	BA, CA	CCA, ELD, Laetna Sprin			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Potentially threatened by developm	Calandrinia breweri	PPDR010 CABR3					1/1/1994	#####																																																																																																																																																																																																																																																																																																																																																																																																														
Centromeda Congdon's Asteraceae annual herit							G3/2	G2	S2	BLM_S, SB_None	None	Apr/May-Oct	Washday and foothill grassland (alka	0	0	230	755	TRUE	CA	ALA, CA, Altamont C			96	9	16	32	13	15	11	61	35	81	6	9	74	18	Agriculture Severely threatened by developme	Centromedia PADASTAR0 CEPAC							1/1/1994	##### 11/5/2012																																																																																																																																																																																																																																																																																																																																																																																																															
Chlorophyllum Point Reyes Orbanchace annual herit							G4/27	G2	S2	BLM_S, SB_None	None	Jun-Oct	Marshes and swamps (coastal sal	0	0	10	35	FALSE	CA, OR	ALA, HUM, Arcata S			80	7	32	5	4	11	21	37	43	69	10	1	33	16	Altered floc Once more common in proper hat	Chlorophyllum Cordylanth	PPDCSR00D3					1/1/1974	12/6/2022																																																																																																																																																																																																																																																																																																																																																																																																																
Chlorizanthe robustus sp Polygonace annual herit							G2/1	G21	S1	None	FE	Apr-Sep	Chaparral (maritime), Gravelly s	3	10	300	985	TRUE	CA	ALA, SCL, Salcasera I			20	2	5	2	0	5	6	10	10	15	5	0	16	8	Developments Most populations extirpated, and	Chlorizanthe robusta v	PPDGNA40 CHHR0					1/1/1980	#####																																																																																																																																																																																																																																																																																																																																																																																																																
Cirsium for Mt. Hamilton Asteraceae perennial h							G2/2	G2	S2	BLM_S, SB_None	None	(Feb/Apr)-O	Chaparral, Cismontane Seeps, Ser	100	330	890	2920	TRUE	CA	ALA, SCL, Cedar Mtn.			36	6	17	4	0	0	0	16	20	36	0	0	28	13	Biocides, C Threatened by urbanization, trun	Cirsium for Cirsium ca	PPDAETZ1E1 CFIOF					1/1/1974	#####																																																																																																																																																																																																																																																																																																																																																																																																																
Clarkia can Santa Clara Onagraceae annual herit							G3/2/23	G2	S2	SB_CalBG/None	None	Apr	Chaparral, Cismontane woodland	90	295	1500	4920	TRUE	CA	ALA, SCL, Calaveras I			20	0	1	0	0	0	19	20	0	20	0	0	0	0	0	0	See Madrono 34(1):41-47 (1987) f	Clarkia concinna sp. + PDONAO55 CLOCA						1/1/1980	12/6/2022																																																																																																																																																																																																																																																																																																																																																																																																														
Clarkia low Lewis' clari Onagraceae annual herit							G3	G4	S4	SB_CalBG/None	None	(Feb/May)-J	Broadleaved upland forest, Chap	30	100	1195	3920	TRUE	CA	FRE, MNT, Elbecome C			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Possibly threatened by non-native	Clarkia low Clarkia bo	PDONAO55 CLE2E					1/1/1980	#####																																																																																																																																																																																																																																																																																																																																																																																																															
Clarkia low Lewis' clari Onagraceae annual herit							G3	G4	S4	BLM_S, SB_USCNC	None	Mar-Jun	Chaparral, Cismontane Serpentine	30	100	1195	3920	TRUE	CA	FRE, MNT, Elbecome C			36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	See Madrono 34(1):41-47 (1987) f	Clarkia concinna sp. + PDONAO55 CLOCA						1/1/1980	12/6/2022																																																																																																																																																																																																																																																																																																																																																																																																														
Convolvulus small sp. Convolvulaceae annual herit							G2	G4	S4	SB_CRES	None	Mar-Jul	Chaparral (openings), Clay, Seep	30	100	740	2430	FALSE	BA, CA	ALA, CA, Altamont C			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	Possibly threatened by non-native	Clarkia low Clarkia bo	PDONAO55 CLE2E					1/1/1980	#####																																																																																																																																																																																																																																																																																																																																																																																																													
Convolvulus small sp. Convolvulaceae annual herit							G2	G4	S4	SB_CRES	None	Mar-Jul	Chaparral (openings), Clay, Seep	30	100	740	2430	FALSE	BA, CA	ALA, CA, Altamont C			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	See Madrono 34(1):41-47 (1987) f	Clarkia concinna sp. + PDONAO55 CLOCA						1/1/1980	12/6/2022																																																																																																																																																																																																																																																																																																																																																																																																												
Cypripedium clustered L Orchidaceae perennial h							G2	G4	S4	BLM_S, SB_USCNC	None	Mar-Aug	Lower montane conifer Seeps (usu	100	330	2435	7990	FALSE	CA, CO, ID	BUT, DNT, C	Square Lak			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	