



**NORTHWEST BIOSURVEY**  
Environmental & Planning Services  
1905 Westlake Drive, Kelseyville CA 95451  
Phone: (707) 889-1061  
nwbio98@gmail.com

November 11, 2019

Mr. Greg Redeker  
Real Estate Manager  
[gredeker@stottoutdoor.com](mailto:gredeker@stottoutdoor.com)

**RE: CNDDDB Search for the Off-Site Advertising Sign Proposed to be Located at 2450 Stokes Avenue, Nice, California**

Dear Mr. Redeker:

As requested, following is our CNDDDB search and analysis for the above-referenced project.

- Project Name: **New Off-Site Advertising Sign**
- Project Location: 2450 Stokes Avenue, Nice. The applicant's location and site maps are provided in the following pages as **Figures 1 and 2**.
- Assessor Parcel Number: 004-055-23
- Site Conditions: The property is located in a commercial/industrial area. It is primarily ruderal (developed), with some small areas of remaining vegetation and trees. Properties in the vicinity are ruderal.
- Soils: Wappo Variant clay loam, 2-8% slopes (soil unit 244, NRCS hydric soil criteria 2B3,4): This very deep, moderately well-drained soil is on terraces. It formed in alluvium derived from mixed rock sources. The loam surface is underlain with clay or clay loam. Permeability is very slow. Surface runoff is medium and erosion hazard is moderate. Because of the clay content, the shrink-swell potential in the subsoil is high. Natural vegetation is mainly annual grasses and forbs such as soft chess, wild oat and common yarrow, with some scattered oaks.

This is a hydric soil on the national wetland indicator list. There is no evidence from examination of aerial maps of the presence of a wetland at this site.

- California Natural Diversity Database: The California Natural Diversity Database (CNDDDB) and CDFW RareFind 5 data and maps for the Bartlett Mtn. 7½' quadrangle were reviewed for this project. **Tables 1 and 2** present a list of sensitive plant and wildlife species known to occur within this quadrangle. In addition to listing the species present within the quadrangle, the table provides a brief descriptor of the habitat requirements and blooming season, along with an assessment of whether the project area contains the necessary habitat requirements for each species. **Appendix A** lists the species within the nine quadrangles in the vicinity of this project. The CNDDDB map of species in the vicinity of the project is included as **Figure 3**.

As this request was for a CNDDDB analysis only, a site visit was not made.

### **Botanical Analysis:**

A floristic-level botanical survey was beyond the scope of this analysis. None of the mapped accounts of plant taxa listed in the CNDDDB database for the Bartlett Mt. 7½" Quadrangle occur within the vicinity of the proposed sign. Most of the species listed in the CNDDDB require volcanic or serpentine soils which are not present at the site.

### **Wildlife Analysis:**

Based on the CNDDDB data for the Bartlett Mtn. quadrangle, a total of 13 sensitive wildlife species need to be accounted for within the proposed tank site. These consist of wide variety of animal species including insects, amphibians, reptiles, birds, and mammals. Most of the species listed in the CNDDDB for this quadrangle are endemic to habitats that do not occur on or in the vicinity of the property, such as waterways, waterbodies, and forests.

The following wildlife species would not occur within the project area because of the lack of appropriate habitat:

- Obscure bumblebee (lack of food species)
- Foothill yellow-legged frog (ponds)
- Western pond turtle (ponds, lakeshore)
- Tri-colored blackbird (marshes)
- Northern spotted owl (cool forests and woodlands)
- Silver-haired bat (coastal and montane)
- Little brown bat (trees)
- Fringed myotis (caves or trees)
- Yuma myotis (trees)
- Townsend's big-eared bat (mesic-wet habitats, caves)

- Humboldt marten (forests)
- Fisher (forests)

The following bird may occasionally occur within the project area but is unlikely to nest at the proposed sign site due to the lack of large trees or other tall structures suitable for stick nests (the sensitive status of these birds is specific to nest sites):

- Osprey

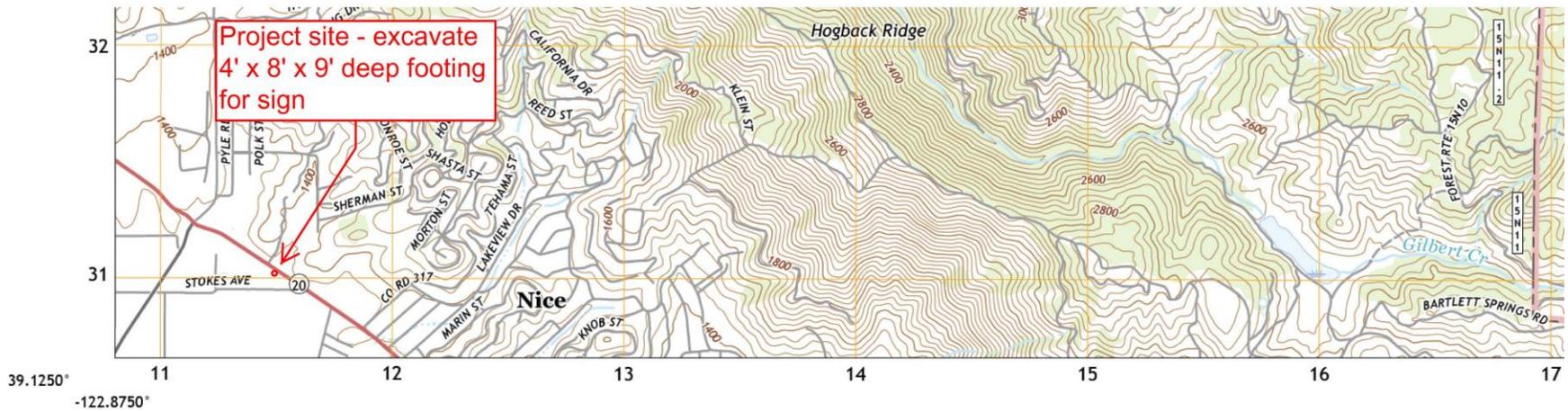
**Summary:**

A site visit was not made as part of this analysis. However, the CNDDDB does not list any plant or wildlife species on or near the site (other than osprey as noted above), and lack of appropriate habitat on the site and the small area of disturbance involved in the project makes it unlikely any sensitive species is present in its sensitive status.

Sincerely,



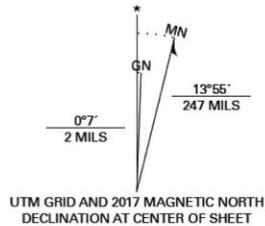
Steve Zalusky  
Principal Biologist, Northwest Biosurvey



**Produced by the United States Geological Survey**

North American Datum of 1983 (NAD83)  
 World Geodetic System of 1984 (WGS84). Projection and  
 1 000-meter grid: Universal Transverse Mercator, Zone 10S  
 This map is not a legal document. Boundaries may be  
 generalized for this map scale. Private lands within government  
 reservations may not be shown. Obtain permission before  
 entering private lands.

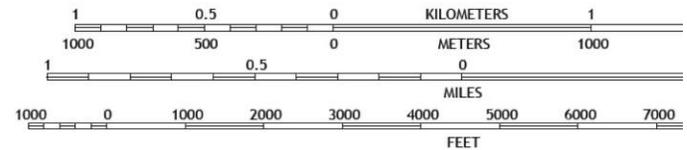
Imagery.....	NAIP, May 2016 - October 2016
Roads.....	U.S. Census Bureau, 2016
Roads within US Forest Service Lands.....	FSTopo Data with limited Forest Service updates, 2018
Names.....	GNIS, 1981 - 2016
Hydrography.....	National Hydrography Dataset, 2003 - 2018
Contours.....	National Elevation Dataset, 2017
Boundaries.....	Multiple sources; see metadata file 2016 - 2017
Public Land Survey System.....	BLM, 2018
Wetlands.....	FWS National Wetlands Inventory 1977



U.S. National Grid
100,000 - m Square ID
EJ

FIGURE 1

SCALE 1:24 000



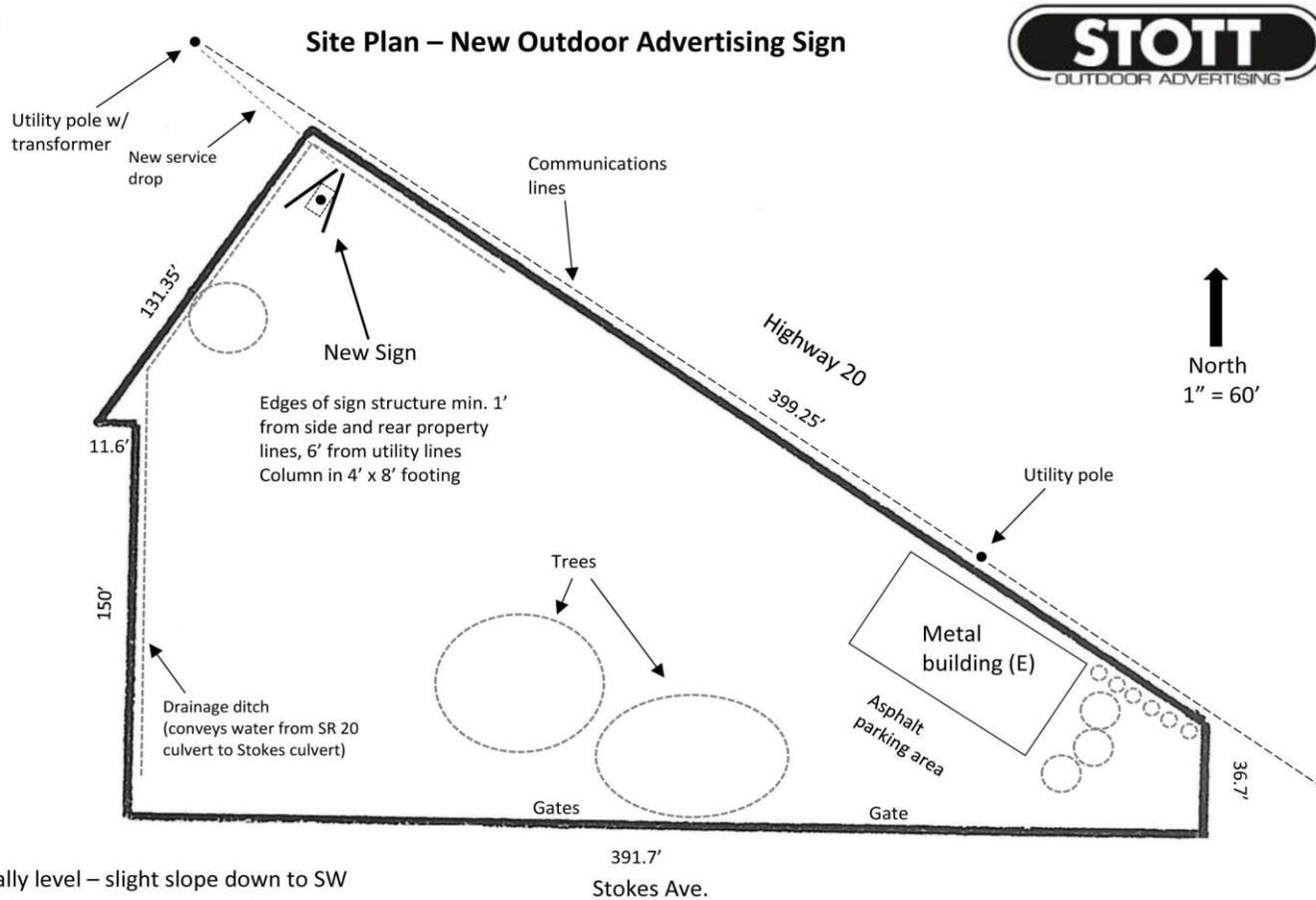
CONTOUR INTERVAL 40 FEET  
 NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the  
 National Geospatial Program US Topo Product Standard, 2011.  
 A metadata file associated with this product is draft version 0.6.1

Figure 1.

Figure 2.

FIGURE 2



**Notes:**

- Property is generally level – slight slope down to SW
- No change to existing structures, trees, or improvements
- No side or rear yard setback required (1' proposed)
- 6' minimum separation from communications lines
- Entire perimeter is fenced, accessed via gates on Stokes Ave.
- New sign is 10' x 30', double-sided "V" build, 22' OAH
- Two LED light fixtures per face, shielded and directed down
- Faux stone veneer on column, as on other signs
- Single steel column set in a 4' x 8' x 9' deep concrete footing
- New overhead electrical service from nearby power pole

Owner: Joseph P. Doyle, Trustee of the Joseph Doyle Trust  
 Location: 2450 Stokes Avenue, Nice  
 APN: 004-055-230      Size: 1.26 acres  
 Zoning: C3-DR – Service Commercial w/Design Review  
 Prepared by: Greg Redeker, Stott Outdoor Advertising  
[gredeker@stottoutdoor.com](mailto:gredeker@stottoutdoor.com) (530) 717-2705      10/22/19



**Summary Table Report**  
 California Department of Fish and Wildlife  
 California Natural Diversity Database

TABLE 1



Query Criteria: Quad> IS >(Bartlett Mtn. (3912227))

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Agelaius tricolor</i> tricolored blackbird	G2G3 S1S2	None Threatened	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_EN-Endangered NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	1,320 1,320	955 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Arctostaphylos manzanita ssp. elegans</i> Konociti manzanita	G5T3 S3	None None	Rare Plant Rank - 1B.3	3,800 4,400	69 S:3	0	0	0	0	0	3	3	0	3	0	0
<i>Bombus caliginosus</i> obscure bumble bee	G4? S1S2	None None	IUCN_VU-Vulnerable	3,500 3,500	181 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Calycadenia micrantha</i> small-flowered calycadenia	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive USFS_S-Sensitive	3,707 4,429	22 S:3	0	0	0	0	0	3	3	0	3	0	0
<i>Ceanothus confusus</i> Rincon Ridge ceanothus	G1 S1	None None	Rare Plant Rank - 1B.1 BLM_S-Sensitive SB_SBBG-Santa Barbara Botanic Garden	4,000 4,000	33 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	G3G4 S2	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	2,860 4,618	635 S:3	0	0	0	0	0	3	2	1	3	0	0
<i>Hesperolinon adenophyllum</i> glandular western flax	G2G3 S2S3	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	1,450 2,500	48 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Hesperolinon bicarpellatum</i> two-carpellate western flax	G2 S2	None None	Rare Plant Rank - 1B.2	1,900 1,900	25 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Lasionycteris noctivagans</i> silver-haired bat	G5 S3S4	None None	IUCN_LC-Least Concern WBWG_M-Medium Priority		139 S:1	0	0	0	0	0	1	1	0	1	0	0

**Table 1.**



**Summary Table Report**  
 California Department of Fish and Wildlife  
 California Natural Diversity Database



Name (Scientific/Common)	CNDDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Lupinus antoninus</i> Anthony Peak lupine	G2 S2	None None	Rare Plant Rank - 1B.2 USFS_S-Sensitive	4,000 4,000	6 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Martes caurina humboldtensis</i> Humboldt marten	G5T1 S1	None Endangered	CDFW_SSC-Species of Special Concern USFS_S-Sensitive	4,800 4,800	44 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Pandion haliaetus</i> osprey	G5 S4	None None	CDF_S-Sensitive CDFW_WL-Watch List IUCN_LC-Least Concern	1,330 1,344	504 S:2	0	0	2	0	0	0	2	0	2	0	0
<i>Pekania pennanti</i> fisher - West Coast DPS	G5T2T3Q S2S3	None Threatened	BLM_S-Sensitive CDFW_SSC-Species of Special Concern USFS_S-Sensitive	4,600 4,600	741 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Rana boylei</i> foothill yellow-legged frog	G3 S3	None Candidate Threatened	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened USFS_S-Sensitive	2,300 2,800	2468 S:2	0	0	0	0	0	2	1	1	2	0	0

**TABLE 2. CNDDDB SENSITIVE PLANT AND WILDLIFE SPECIES WITHIN THE BARTLETT MTN., CALIF. 7½' QUAD.**

Plant Species	Common Name	Habitat Requirements/ Fed-State-CNPS* Status	Blooming Season/Form	Habitat Present
<i>Arctostaphylos manzanita ssp. elegans</i>	Konocti manzanita	Chaparral, cismontane woodland, lower montane conif. forest/volcanic; --/--/1B.3	March-May everg. shrub	volcanic soils not present
<i>Calycadenia micrantha</i>	small-flowered calycadenia	Chaparral, meadows & seeps (volcanic), valley & foothill grassland; roadsides, rocky, talus, scree, sometimes serpentine, sparsely vegetated areas; --/--/1B.2	June-Sept. ann. herb	volcanic soils not present
<i>Ceanothus confusus</i>	Rincon ridge ceanothus	Closed cone conif. forest, chaparral, cismontane woodland; volcanic; --/--/1B.1	Feb.-April everg. shrub	volcanic soils not present
<i>Hemizonia congesta ssp. calyculata</i>	Mendocino tarplant	Valley and foothill grassland, foothill woodland/often serpentine;--/--/4.3	July-Nov. ann. herb	serpentine soils not present
<i>Hesperolinon adenophyllum</i>	glandular western flax	Chaparral, cismontane woodland, valley & foothill grassland/usually serpentine chaparral; --/--/1B.2	May-Aug. ann. herb	serpentine soils not present
<i>Hesperolinon bicarpellatum</i>	two-carpellate western flax	Chaparral/serpentine barrens at edge of chaparral; --/--/1B.2	May-July ann. herb	serpentine soils not present
<i>Leptosiphon latisectus</i>	broad-lobed leptosiphon	Broad-leaved upland forest, cismontane woodland; --/--/4.3	April-June ann. herb	habitat not present
<i>Lupinus antoninus</i>	Anthony Peak lupine	Lower montane conif. forest, upper montane conif. forest/rocky; --/--/1B.2	Per. herb May-July	habitat not present

\*See CNPS list for key

Wildlife Species	Common Name	Habitat Requirements, Status	Season Present	Habitat Present
<i>Bombus caliginosus</i>	obscure bumble bee	A black and yellow bee found in California, Oregon, Washington. Food plant genera: Baccharis, Cirsium, Lupinus, Lotus, Grindelia, Phacelia; G3G4/CA-SNR	year-round	habitat not present
<i>Rana boylei</i>	foothill yellow-legged frog	Riparian/aquatic: partly-shaded, shallow streams & riffles with a rocky substrate in variety of habitats; SSC/SCT/G3/S2S3	year-round	habitat not present
<i>Emys marmorata</i>	western pond turtle	Aquatic turtle found in ponds, lakes, rivers, creeks, marshes & irrigation ditches with abundant vegetation and rocky or muddy bottoms; In woodland, forest, & grasslands; SSC/G3G4/S3	year-round	habitat not present
<i>Pandion haliaetus</i>	osprey	Large, fish-bearing waters usually in mixed conifer habitats/typically nests are within 15 miles of good fish-producing body of water; WL/G5/S4	sometimes migratory	not present in nesting status

Wildlife Species	Common Name	Habitat Requirements, Status	Season Present	Habitat Present
<i>Strix occidentalis caurina</i>	northern spotted owl	Old-growth forests or mixed stands of old-growth & mature trees; occasionally in younger forests with patches of big trees; FT/ST	year-round	habitat not present
<i>Agelaius tricolor</i>	tricolored blackbird	Fresh emergent wetland (marshes) with cattails, tules, sedges. Largely endemic to California; SCE//G2G3/S1S2	year-round	habitat not present
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	Roosts in open near relatively mesic sites, mainly montane forest habitats; SSC/G3/S2	local migrant	habitat not present
<i>Lasionycteris noctivagans</i>	silver-haired bat	Coastal & montane forest, feeds over streams, ponds and brushy areas. Roosts in hollow trees; G5/S3S4	local migrant	habitat not present
<i>Myotis lucifugus</i>	little brown bat	Roost in hollow trees, caves (in winter), human made features. Habitats are widely varied and include bogs, forested or herbaceous wetlands, riparian habitats, woodlands, chaparral, grasslands, orchards and fields in more urban areas. They forage over water. Females give birth to one litter of 1 bat in late spring to early summer; G3/S2S3	migratory; usually hibernate during winter	habitat not present
<i>Myotis thysanodes</i>	fringed myotis	Caves, mines, buildings; valley foothill hardwood or hardwood-conifer, sometimes redwood forests; G4/S3	local migrant	habitat not present
<i>Myotis yumanensis</i>	Yuma myotis	Open conifer forests and riparian woodlands with nearby water. Roosts may be found in caves, mines, under bridges, and buildings; G5/S4	year-round	habitat not present
<i>Pekania pennanti</i>	fisher, West Coast DPS	No. Coast conifer forest: old-growth conifer or riparian forests; cavities, snags, logs, rocky areas; SCT/SSC/G5/S3	year-round	habitat not present
<i>Martes americana humboldtensis</i>	Humboldt marten	Dense, old-growth evergreen forests with dense shrub cover and woody debris; SSC/SE/G4G5/S1	year-round	habitat not present

**Key:**

SE/ST/SD=State Endangered/Threatened/Delisted  
 SC/SCD=State Candidate for Listing/Delisting  
 SSC=CDFW Species of Special Concern  
 SFP=CDFW Fully Protected  
 WL=CDFW Watch List  
 FE/FT/FD=Federal Endangered/Threatened/Delisted  
 FPE/FPT/FPD/FP=Federal Proposed Endangered/Threatened/Delisting

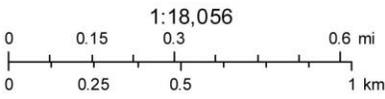
**NatureServe Conservation Status:**

G1/S1 = Global/State Critically Imperiled  
 G2/S2 = Global/State Imperiled  
 G3/S3 = Global/State Vulnerable  
 G4/S4 = Global/State Apparently Secure  
 G5/S5 = Global/State Secure  
 SNR=Not rated  
 FC=Federal Candidate

# Map of Project Area

California Natural Diversity Database (CNDDDB) Commercial [ds85]

- Plant (80m)
- Plant (specific)
- Plant (non-specific)
- Plant (circular)
- Animal (80m)
- Animal (specific)
- Animal (non-specific)
- Animal (circular)
- Terrestrial Comm. (80m)
- Terrestrial Comm. (specific)
- Terrestrial Comm. (non-specific)
- Terrestrial Comm. (circular)
- Aquatic Comm. (80m)
- Aquatic Comm. (specific)
- Aquatic Comm. (non-specific)
- Aquatic Comm. (circular)
- Multiple (80m)
- Multiple (specific)
- Multiple (non-specific)
- Multiple (circular)
- Sensitive EO's (Commercial only)



November 7, 2019

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand).

Author: cnddb\_com@dfg.ca.gov  
Printed from <http://bios.dfg.ca.gov>

Figure 3. Osprey: *Pandion haliaetus* see page 2 "Wildlife".

## ***APPENDIX A***

**CNDDB SENSITIVE PLANT AND WILDLIFE SPECIES WITHIN  
THE  
SURROUNDING CALIF. 7½' QUADS.**

### Surrounding 9-Quad List: Bartlett Mtn. Quadrangle

QUAD NAME	SCIENTIFIC NAME	COMMON NAME	FED.	CAL.	CDFG	CNPS
BARTLETT MTN.	<i>Rana boylei</i>	foothill yellow-legged frog	None	Cand Threat	SSC	-
BARTLETT MTN.	<i>Agelaius tricolor</i>	tricolored blackbird	None	Threat	SSC	-
BARTLETT MTN.	<i>Pandion haliaetus</i>	osprey	None	None	WL	-
BARTLETT MTN.	<i>Strix occidentalis caurina</i>	Northern Spotted Owl	Threat	Threat	-	-
BARTLETT MTN.	<i>Bombus caliginosus</i>	obscure bumble bee	None	None	-	-
BARTLETT MTN.	<i>Martes caurina humboldtensis</i>	Humboldt marten	None	End	SSC	-
BARTLETT MTN.	<i>Pekania pennanti</i>	fisher - West Coast DPS	None	Threat	SSC	-
BARTLETT MTN.	<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	None	None	SSC	-
BARTLETT MTN.	<i>Lasionycteris noctivagans</i>	silver-haired bat	None	None	-	-
BARTLETT MTN.	<i>Myotis lucifugus</i>	little brown bat	None	None	-	-
BARTLETT MTN.	<i>Myotis thysanodes</i>	fringed myotis	None	None	-	-
BARTLETT MTN.	<i>Myotis yumanensis</i>	Yuma myotis	None	None	-	-
BARTLETT MTN.	<i>Emys marmorata</i>	western pond turtle	None	None	SSC	-
BARTLETT MTN.	<i>Calycadenia micrantha</i>	small-flowered calycadenia	None	None	-	1B.2
BARTLETT MTN.	<i>Hemizonia congesta</i> ssp. <i>calyculata</i>	Mendocino tarplant	None	None	-	4.3
BARTLETT MTN.	<i>Arctostaphylos manzanita</i> ssp. <i>elegans</i>	Konocti manzanita	None	None	-	1B.3
BARTLETT MTN.	<i>Lupinus antoninus</i>	Anthony Peak lupine	None	None	-	1B.2
BARTLETT MTN.	<i>Hesperolinon adenophyllum</i>	glandular western flax	None	None	-	1B.2
BARTLETT MTN.	<i>Hesperolinon bicarpellatum</i>	two-carpellate western flax	None	None	-	1B.2
BARTLETT MTN.	<i>Leptosiphon latisectus</i>	broad-lobed leptosiphon	None	None	-	4.3
BARTLETT MTN.	<i>Ceanothus confusus</i>	Rincon Ridge ceanothus	None	None	-	1B.1
BARTLETT SPRINGS	<i>Rana boylei</i>	foothill yellow-legged frog	None	Cand Threat	SSC	-
BARTLETT SPRINGS	<i>Aquila chrysaetos</i>	golden eagle	None	None	FP ; WL	-
BARTLETT SPRINGS	<i>Strix occidentalis caurina</i>	Northern Spotted Owl	Threat	Threat	-	-
BARTLETT SPRINGS	<i>Bombus caliginosus</i>	obscure bumble bee	None	None	-	-
BARTLETT SPRINGS	<i>Pekania pennanti</i>	fisher - West Coast DPS	None	Threat	SSC	-
BARTLETT SPRINGS	<i>Lasionycteris noctivagans</i>	silver-haired bat	None	None	-	-
BARTLETT SPRINGS	<i>Emys marmorata</i>	western pond turtle	None	None	SSC	-
BARTLETT SPRINGS	<i>Balsamorhiza macrolepis</i>	big-scale balsamroot	None	None	-	1B.2
BARTLETT SPRINGS	<i>Calycadenia micrantha</i>	small-flowered calycadenia	None	None	-	1B.2
BARTLETT SPRINGS	<i>Erigeron greenei</i>	Greene's narrow-leaved daisy	None	None	-	1B.2
BARTLETT SPRINGS	<i>Calystegia collina</i> ssp. <i>oxyphylla</i>	Mt. Saint Helena morning-glory	None	None	-	4.2
BARTLETT SPRINGS	<i>Carex hystericina</i>	porcupine sedge	None	None	-	2B.1
BARTLETT SPRINGS	<i>Arctostaphylos manzanita</i> ssp. <i>elegans</i>	Konocti manzanita	None	None	-	1B.3
BARTLETT SPRINGS	<i>Astragalus clevelandii</i>	Cleveland's milk-vetch	None	None	-	4.3
BARTLETT SPRINGS	<i>Lupinus sericatus</i>	Cobb Mountain lupine	None	None	-	1B.2
BARTLETT SPRINGS	<i>Eriastrum tracyi</i>	Tracy's eriastrum	None	Rare	-	3.2
BARTLETT SPRINGS	<i>Leptosiphon acicularis</i>	bristly leptosiphon	None	None	-	4.2
BARTLETT SPRINGS	<i>Leptosiphon latisectus</i>	broad-lobed leptosiphon	None	None	-	4.3
BARTLETT SPRINGS	<i>Eriogonum tripodum</i>	tripod buckwheat	None	None	-	4.2
CLEARLAKE OAKS	<i>Haliaeetus leucocephalus</i>	bald eagle	Delisted	End	FP	-
CLEARLAKE OAKS	<i>Pandion haliaetus</i>	osprey	None	None	WL	-
CLEARLAKE OAKS	<i>Strix occidentalis caurina</i>	Northern Spotted Owl	Threat	Threat	-	-

<b>QUAD NAME</b>	<b>SCIENTIFIC NAME</b>	<b>COMMON NAME</b>	<b>FED.</b>	<b>CAL.</b>	<b>CDFG</b>	<b>CNPS</b>
CLEARLAKE OAKS	Archoplites interruptus	Sacramento perch	None	None	SSC	-
CLEARLAKE OAKS	Lavinia exilicauda chi	Clear Lake hitch	None	Threat	-	-
CLEARLAKE OAKS	Dubiraphia brunnescens	brownish dubiraphian riffle beetle	None	None	-	-
CLEARLAKE OAKS	Pekania pennanti	fisher - West Coast DPS	None	Threat	SSC	-
CLEARLAKE OAKS	Antrozous pallidus	pallid bat	None	None	SSC	-
CLEARLAKE OAKS	Corynorhinus townsendii	Townsend's big-eared bat	None	None	SSC	-
CLEARLAKE OAKS	Myotis yumanensis	Yuma myotis	None	None	-	-
CLEARLAKE OAKS	Gonidea angulata	western ridged mussel	None	None	-	-
CLEARLAKE OAKS	Emys marmorata	western pond turtle	None	None	SSC	-
CLEARLAKE OAKS	Great Valley Mixed Riparian Forest	Great Valley Mixed Riparian Forest	None	None	-	-
CLEARLAKE OAKS	Hemizonia congesta ssp. calyculata	Mendocino tarplant	None	None	-	4.3
CLEARLAKE OAKS	Layia septentrionalis	Colusa layia	None	None	-	1B.2
CLEARLAKE OAKS	Brasenia schreberi	watershield	None	None	-	2B.3
CLEARLAKE OAKS	Arctostaphylos manzanita ssp. elegans	Konocti manzanita	None	None	-	1B.3
CLEARLAKE OAKS	Erythronium helenae	St. Helena fawn lily	None	None	-	4.2
CLEARLAKE OAKS	Calyptridium quadripetalum	four-petaled pussypaws	None	None	-	4.3
CLEARLAKE OAKS	Leptosiphon acicularis	bristly leptosiphon	None	None	-	4.2
CLEARLAKE OAKS	Potamogeton zosteriformis	eel-grass pondweed	None	None	-	2B.2
ELK MOUNTAIN	Rana boylei	foothill yellow-legged frog	None	Cand Threat	SSC	-
ELK MOUNTAIN	Accipiter gentilis	northern goshawk	None	None	SSC	-
ELK MOUNTAIN	Ardea alba	great egret	None	None	-	-
ELK MOUNTAIN	Progne subis	purple martin	None	None	SSC	-
ELK MOUNTAIN	Strix occidentalis caurina	Northern Spotted Owl	Threat	Threat	-	-
ELK MOUNTAIN	Oncorhynchus mykiss irideus pop. 16	steelhead - northern California DPS	Threat	None	-	-
ELK MOUNTAIN	Taxidea taxus	American badger	None	None	SSC	-
ELK MOUNTAIN	Emys marmorata	western pond turtle	None	None	SSC	-
ELK MOUNTAIN	Grimmia torenii	Toren's grimmia	None	None	-	1B.3
ELK MOUNTAIN	Calycadenia micrantha	small-flowered calycadenia	None	None	-	1B.2
ELK MOUNTAIN	Hemizonia congesta ssp. calyculata	Mendocino tarplant	None	None	-	4.3
ELK MOUNTAIN	Cuscuta jepsonii	Jepson's dodder	None	None	-	1B.2
ELK MOUNTAIN	Hesperolinon adenophyllum	glandular western flax	None	None	-	1B.2
ELK MOUNTAIN	Hesperolinon drymarioides	drymaria-like western flax	None	None	-	1B.2
ELK MOUNTAIN	Sidalcea oregana ssp. hydrophila	marsh checkerbloom	None	None	-	1B.2
ELK MOUNTAIN	Clarkia gracilis ssp. tracyi	Tracy's clarkia	None	None	-	4.2
ELK MOUNTAIN	Erythranthe nudata	bare monkeyflower	None	None	-	4.3
FOUTS SPRINGS	Rana boylei	foothill yellow-legged frog	None	Cand Threat	SSC	-
FOUTS SPRINGS	Pandion haliaetus	osprey	None	None	WL	-
FOUTS SPRINGS	Strix occidentalis caurina	Northern Spotted Owl	Threat	Threat	-	-
FOUTS SPRINGS	Martes caurina humboldtensis	Humboldt marten	None	End	SSC	-
FOUTS SPRINGS	Pekania pennanti	fisher - West Coast DPS	None	Threat	SSC	-
FOUTS SPRINGS	Corynorhinus townsendii	Townsend's big-eared bat	None	None	SSC	-
FOUTS SPRINGS	Emys marmorata	western pond turtle	None	None	SSC	-
FOUTS SPRINGS	Asclepias solanoana	serpentine milkweed	None	None	-	4.2
FOUTS SPRINGS	Anisocarpus scabridus	scabrid alpine tarplant	None	None	-	1B.3
FOUTS SPRINGS	Centromadia parryi ssp. parryi	pappose tarplant	None	None	-	1B.2
FOUTS SPRINGS	Harmonia stebbinsii	Stebbins' harmonia	None	None	-	1B.2

QUAD NAME	SCIENTIFIC NAME	COMMON NAME	FED.	CAL.	CDFG	CNPS
FOUTS SPRINGS	Arctostaphylos malloryi	Mallory's manzanita	None	None	-	4.3
FOUTS SPRINGS	Arctostaphylos manzanita ssp. elegans	Konocti manzanita	None	None	-	1B.3
FOUTS SPRINGS	Lupinus antoninus	Anthony Peak lupine	None	None	-	1B.2
FOUTS SPRINGS	Lupinus sericatus	Cobb Mountain lupine	None	None	-	1B.2
FOUTS SPRINGS	Fritillaria glauca	Siskiyou fritillaria	None	None	-	4.2
FOUTS SPRINGS	Iliamna bakeri	Baker's globe mallow	None	None	-	4.2
FOUTS SPRINGS	Sidalcea oregana ssp. hydrophila	marsh checkerbloom	None	None	-	1B.2
FOUTS SPRINGS	Epilobium nivium	Snow Mountain willowherb	None	None	-	1B.2
FOUTS SPRINGS	Botrychium crenulatum	scalloped moonwort	None	None	-	2B.2
FOUTS SPRINGS	Erythranthe nudata	bare monkeyflower	None	None	-	4.3
FOUTS SPRINGS	Antirrhinum subcordatum	dimorphic snapdragon	None	None	-	4.3
FOUTS SPRINGS	Collomia diversifolia	serpentine collomia	None	None	-	4.3
FOUTS SPRINGS	Eriastrum tracyi	Tracy's eriastrum	None	Rare	-	3.2
FOUTS SPRINGS	Leptosiphon rattanii	Rattan's leptosiphon	None	None	-	4.3
FOUTS SPRINGS	Eriogonum umbellatum var. bahiiforme	bay buckwheat	None	None	-	4.2
LAKEPORT	Elanus leucurus	white-tailed kite	None	None	FP	-
LAKEPORT	Haliaeetus leucocephalus	bald eagle	Delisted	End	FP	-
LAKEPORT	Ardea alba	great egret	None	None	-	-
LAKEPORT	Ardea herodias	great blue heron	None	None	-	-
LAKEPORT	Egretta thula	snowy egret	None	None	-	-
LAKEPORT	Nycticorax nycticorax	black-crowned night heron	None	None	-	-
LAKEPORT	Agelaius tricolor	tricolored blackbird	None	Threat	SSC	-
LAKEPORT	Pandion haliaetus	osprey	None	None	WL	-
LAKEPORT	Phalacrocorax auritus	double-crested cormorant	None	None	WL	-
LAKEPORT	Archoplites interruptus	Sacramento perch	None	None	SSC	-
LAKEPORT	Lavinia exilicauda chi	Clear Lake hitch	None	Threat	-	-
LAKEPORT	Lavinia symmetricus ssp. 4	Clear Lake - Russian River roach	None	None	SSC	-
LAKEPORT	Andrena blennospermatis	Blennosperma vernal pool andrenid bee	None	None	-	-
LAKEPORT	Bombus occidentalis	western bumble bee	None	Cand End	-	-
LAKEPORT	Dubiraphia brunnescens	brownish dubiraphian riffle beetle	None	None	-	-
LAKEPORT	Pekania pennanti	fisher - West Coast DPS	None	Threat	SSC	-
LAKEPORT	Taxidea taxus	American badger	None	None	SSC	-
LAKEPORT	Emys marmorata	western pond turtle	None	None	SSC	-
LAKEPORT	Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	None	None	-	-
LAKEPORT	Layia septentrionalis	Colusa layia	None	None	-	1B.2
LAKEPORT	Tracyina rostrata	beaked tracyina	None	None	-	1B.2
LAKEPORT	Amsinckia lunaris	bent-flowered fiddleneck	None	None	-	1B.2
LAKEPORT	Cryptantha dissita	serpentine cryptantha	None	None	-	1B.2
LAKEPORT	Plagiobothrys lithocaryus	Mayacamas popcornflower	None	None	-	1A
LAKEPORT	Brasenia schreberi	watershield	None	None	-	2B.3
LAKEPORT	Arctostaphylos manzanita ssp. elegans	Konocti manzanita	None	None	-	1B.3
LAKEPORT	Astragalus breweri	Brewer's milk-vetch	None	None	-	4.2
LAKEPORT	Fritillaria purdyi	Purdy's fritillary	None	None	-	4.3
LAKEPORT	Hesperolinon adenophyllum	glandular western flax	None	None	-	1B.2
LAKEPORT	Clarkia gracilis ssp. tracyi	Tracy's clarkia	None	None	-	4.2
LAKEPORT	Erythranthe nudata	bare monkeyflower	None	None	-	4.3

<b>QUAD NAME</b>	<b>SCIENTIFIC NAME</b>	<b>COMMON NAME</b>	<b>FED.</b>	<b>CAL.</b>	<b>CDFG</b>	<b>CNPS</b>
LAKEPORT	<i>Antirrhinum virga</i>	twig-like snapdragon	None	None	-	4.3
LAKEPORT	<i>Leptosiphon acicularis</i>	bristly leptosiphon	None	None	-	4.2
LAKEPORT	<i>Leptosiphon latisectus</i>	broad-lobed leptosiphon	None	None	-	4.3
LAKEPORT	<i>Ranunculus lobbii</i>	Lobb's aquatic buttercup	None	None	-	4.2
LUCERNE	<i>Rana draytonii</i>	California red-legged frog	Threat	None	SSC	-
LUCERNE	<i>Taricha rivularis</i>	red-bellied newt	None	None	SSC	-
LUCERNE	<i>Haliaeetus leucocephalus</i>	bald eagle	Delisted	End	FP	-
LUCERNE	<i>Branta hutchinsii leucopareia</i>	cackling (=Aleutian Canada) goose	Delisted	None	WL	-
LUCERNE	<i>Ardea herodias</i>	great blue heron	None	None	-	-
LUCERNE	<i>Falco mexicanus</i>	prairie falcon	None	None	WL	-
LUCERNE	<i>Pandion haliaetus</i>	osprey	None	None	WL	-
LUCERNE	<i>Phalacrocorax auritus</i>	double-crested cormorant	None	None	WL	-
LUCERNE	<i>Strix occidentalis caurina</i>	Northern Spotted Owl	Threat	Threat	-	-
LUCERNE	<i>Archoplites interruptus</i>	Sacramento perch	None	None	SSC	-
LUCERNE	<i>Lavinia exilicauda chi</i>	Clear Lake hitch	None	Threat	-	-
LUCERNE	<i>Dubiraphia brunnescens</i>	brownish dubiraphian riffle beetle	None	None	-	-
LUCERNE	<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	None	None	SSC	-
LUCERNE	<i>Lasionycteris noctivagans</i>	silver-haired bat	None	None	-	-
LUCERNE	<i>Margaritifera falcata</i>	western pearlshell	None	None	-	-
LUCERNE	<i>Anodonta oregonensis</i>	Oregon floater	None	None	-	-
LUCERNE	<i>Gonidea angulata</i>	western ridged mussel	None	None	-	-
LUCERNE	<i>Emys marmorata</i>	western pond turtle	None	None	SSC	-
LUCERNE	Clear Lake Drainage Cyprinid/Catostomid Stream	Clear Lake Drainage Cyprinid/Catostomid Stream	None	None	-	-
LUCERNE	Clear Lake Drainage Seasonal Lakefish Spawning Stream	Clear Lake Drainage Seasonal Lakefish Spawning Stream	None	None	-	-
LUCERNE	Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	None	None	-	-
LUCERNE	<i>Layia septentrionalis</i>	Colusa layia	None	None	-	1B.2
LUCERNE	<i>Amsinckia lunaris</i>	bent-flowered fiddleneck	None	None	-	1B.2
LUCERNE	<i>Arctostaphylos manzanita ssp. elegans</i>	Konocti manzanita	None	None	-	1B.3
LUCERNE	<i>Lupinus antoninus</i>	Anthony Peak lupine	None	None	-	1B.2
LUCERNE	<i>Hesperolinon adenophyllum</i>	glandular western flax	None	None	-	1B.2
LUCERNE	<i>Hesperolinon bicarpellatum</i>	two-carpellate western flax	None	None	-	1B.2
LUCERNE	<i>Leptosiphon acicularis</i>	bristly leptosiphon	None	None	-	4.2
LUCERNE	<i>Leptosiphon latisectus</i>	broad-lobed leptosiphon	None	None	-	4.3
LUCERNE	<i>Potamogeton zosteriformis</i>	eel-grass pondweed	None	None	-	2B.2
POTATO HILL	<i>Rana boylei</i>	foothill yellow-legged frog	None	Cand Threat	SSC	-
POTATO HILL	<i>Accipiter gentilis</i>	northern goshawk	None	None	SSC	-
POTATO HILL	<i>Strix occidentalis caurina</i>	Northern Spotted Owl	Threat	Threat	-	-
POTATO HILL	<i>Martes caurina humboldtensis</i>	Humboldt marten	None	End	SSC	-
POTATO HILL	<i>Pekania pennanti</i>	fisher - West Coast DPS	None	Threat	SSC	-
POTATO HILL	<i>Emys marmorata</i>	western pond turtle	None	None	SSC	-
POTATO HILL	<i>Asclepias solanoana</i>	serpentine milkweed	None	None	-	4.2
POTATO HILL	<i>Anisocarpus scabridus</i>	scabrid alpine tarplant	None	None	-	1B.3
POTATO HILL	<i>Calycadenia micrantha</i>	small-flowered calycadenia	None	None	-	1B.2
POTATO HILL	<i>Hackelia amethystina</i>	amethyst stickseed	None	None	-	4.3
POTATO HILL	<i>Boechera ultraalsa</i>	Snow Mountain rockcross	None	None	-	1B.1
POTATO HILL	<i>Downingia willamettensis</i>	Cascade downingia	None	None	-	2B.2

QUAD NAME	SCIENTIFIC NAME	COMMON NAME	FED.	CAL.	CDFG	CNPS
POTATO HILL	<i>Arctostaphylos manzanita</i> ssp. <i>elegans</i>	Konocti manzanita	None	None	-	1B.3
POTATO HILL	<i>Astragalus clevelandii</i>	Cleveland's milk-vetch	None	None	-	4.3
POTATO HILL	<i>Fritillaria glauca</i>	Siskiyou fritillaria	None	None	-	4.2
POTATO HILL	<i>Hesperolinon adenophyllum</i>	glandular western flax	None	None	-	1B.2
POTATO HILL	<i>Hesperolinon drymarioides</i>	drymaria-like western flax	None	None	-	1B.2
POTATO HILL	<i>Sidalcea oregana</i> ssp. <i>hydrophila</i>	marsh checkerbloom	None	None	-	1B.2
POTATO HILL	<i>Clarkia gracilis</i> ssp. <i>tracyi</i>	Tracy's clarkia	None	None	-	4.2
POTATO HILL	<i>Epilobium nivium</i>	Snow Mountain willowherb	None	None	-	1B.2
POTATO HILL	<i>Erythranthe nudata</i>	bare monkeyflower	None	None	-	4.3
POTATO HILL	<i>Stipa lemmonii</i> var. <i>pubescens</i>	pubescent needle grass	None	None	-	3.2
POTATO HILL	<i>Collomia diversifolia</i>	serpentine collomia	None	None	-	4.3
POTATO HILL	<i>Leptosiphon rattanii</i>	Rattan's leptosiphon	None	None	-	4.3
POTATO HILL	<i>Horkelia bolanderi</i>	Bolander's horkelia	None	None	-	1B.2
UPPER LAKE	<i>Rana boylei</i>	foothill yellow-legged frog	None	Cand Threat	SSC	-
UPPER LAKE	<i>Ardea alba</i>	great egret	None	None	-	-
UPPER LAKE	<i>Ardea herodias</i>	great blue heron	None	None	-	-
UPPER LAKE	<i>Agelaius tricolor</i>	tricolored blackbird	None	Threat	SSC	-
UPPER LAKE	<i>Phalacrocorax auritus</i>	double-crested cormorant	None	None	WL	-
UPPER LAKE	<i>Lavinia exilicauda</i> chi	Clear Lake hitch	None	Threat	-	-
UPPER LAKE	<i>Andrena blennospermatis</i>	Blennosperma vernal pool andrenid bee	None	None	-	-
UPPER LAKE	<i>Bombus occidentalis</i>	western bumble bee	None	Cand End	-	-
UPPER LAKE	<i>Taxidea taxus</i>	American badger	None	None	SSC	-
UPPER LAKE	<i>Emys marmorata</i>	western pond turtle	None	None	SSC	-
UPPER LAKE	Coastal and Valley Freshwater Marsh	Coastal and Valley Freshwater Marsh	None	None	-	-
UPPER LAKE	<i>Grimmia torenii</i>	Toren's grimmia	None	None	-	1B.3
UPPER LAKE	<i>Calycadenia micrantha</i>	small-flowered calycadenia	None	None	-	1B.2
UPPER LAKE	<i>Hemizonia congesta</i> ssp. <i>calyculata</i>	Mendocino tarplant	None	None	-	4.3
UPPER LAKE	<i>Brasenia schreberi</i>	watershield	None	None	-	2B.3
UPPER LAKE	<i>Carex comosa</i>	bristly sedge	None	None	-	2B.1
UPPER LAKE	<i>Astragalus breweri</i>	Brewer's milk-vetch	None	None	-	4.2
UPPER LAKE	<i>Hesperolinon adenophyllum</i>	glandular western flax	None	None	-	1B.2
UPPER LAKE	<i>Leptosiphon acicularis</i>	bristly leptosiphon	None	None	-	4.2

### **Key for 9-Quad Table:**

#### CNPS Rare Plant-Threat Rank Definitions:

- 1B.1 = Rare, threatened, or endangered in California and elsewhere; seriously threatened in California
- 1B.2 = Rare, threatened, or endangered in California and elsewhere; fairly threatened in California
- 1B.3 = Rare, threatened, or endangered in California and elsewhere; not very threatened in California
- 2A = Presumed extinct in California, but extant elsewhere
- 2B.1 = Rare, threatened, or endangered in Calif., but more common elsewhere; seriously threatened in Calif.
- 2B.2 = Rare, threatened, or endangered in Calif., but more common elsewhere; fairly threatened in Calif.
- 2B.3 = Rare, threatened, or endangered in Calif., but more common elsewhere; not very threatened in Calif.
- 3 = Plants about which we need more information (Review List)

- 3.1 = Plants about which we need more information (Review List); seriously threatened in California
- 3.2 = Plants about which we need more information (Review List); fairly threatened in California
- 3.3 = Plants about which we need more information (Review List); not very threatened in California
- 4.1 = Plants of limited distribution (watch list); seriously threatened in California
- 4.2 = Plants of limited distribution (watch list); fairly threatened in California
- 4.3 = Plants of limited distribution (watch list); not very threatened in California

CDFW / State and Federal Status:

SE/ST/SD = State Endangered/Threatened/Delisted  
SC/SCD = State Candidate for Listing/Delisting  
SSC = CDFW Species of Special Concern  
SFP = State Fully Protected  
WL = CDFW Watch List  
FE/FT/FD = Federal Endangered/Threatened/Delisted  
FPE/FPT/FPD/FP = Federal Proposed Endangered/Threatened/Delisting  
FC = Federal Candidate

State and Federal Status:

Threat = Threatened  
End = Endangered  
Prop = Proposed  
Cand = Candidate  
Cand End/Threat = State Candidate for Endangered/Threatened