

Regional Conservation Authority**ADDITIONAL INFORMATION CONCERNING SURVEY SPECIES****Staff Contact:****Joe Monaco, Dudek & Associates
(951) 955-9700****Background:**

The attached table provides information relative to the species for which site-specific surveys are required for development projects. This information is provided in response to a request made by RCA Board Member Jeff Stone during the discussion of burrowing owl survey requirements at the December Board meeting. In light of the discussion on burrowing owl, the question was posed as to the likelihood of the burrowing owl and/or the other survey species being "listed" by State or Federal wildlife agencies in the near future.

The information provided in the attached table includes the species name, current listing/sensitivity status, total acreage of area affected within the Plan Area (total acreage of the survey area for each species) and an estimate of the likelihood of listing as threatened or endangered. The listing potential is based on factors such as the relative sensitivity of the species, current abundance and distribution of the species and habitat requirements. In addition, the total acreage of survey area is provided to give context on the amount of land affected by the survey requirements. In our estimation, four species have a high probability (including the burrowing owl) and seven have a low probability of being listed.

Staff Recommendation:

Receive and file.

Attachment:

Survey Species in the MSHCP Plan Area Table



Western Riverside County Regional Conservation Authority

Survey Species in the MSHCP Plan Area

Species	Sensitivity – State/Federal ¹	Sensitivity- CNPS ²	Plan Section	Total Acres of Survey Area in MSHCP Plan Area	Potential for State or Federal Listing ³
arroyo toad	CSC/ FE	Not Applicable (N/A)	Section 6.3.2 – Amphibian Species Survey Areas	19,206	Currently Listed
California red-legged frog	CSC/ FT	N/A	Section 6.3.2 – Amphibian Species Survey Areas	50,328	Currently Listed
mountain yellow-legged frog	CSC/ FE	N/A	Section 6.3.2 – Amphibian Species Survey Areas	184,322	Currently Listed
Burrowing owl	CSC/ BCC	N/A	Section 6.3.2 – Burrowing Owl Species Survey Areas	479,704	High
Aguanga kangaroo rat	---	N/A	Section 6.3.2 – Mammal Species Survey Areas	10,224	Low
L.A. pocket mouse	CSC	N/A	Section 6.3.2 – Mammal Species Survey Areas	60,078	Moderate
San Bernardino kangaroo rat	CSC/ FE	N/A	Section 6.3.2 – Mammal Species Survey Areas	8,310	Currently Listed
Coulter's goldfields	---	1B (2-3-2)	Section 6.3.2 – Criteria Area Species Survey Area (CASSA)	56,576	Low
Davidson's saltscale	---	1B (3-2-2)	Section 6.3.2 – CASSA	56,576	Moderate
little mousetail	---	3 (2-3-2)	Section 6.3.2 – CASSA	46,569	Low
Parish's brittlescale	---	1B (3-2-2)	Section 6.3.2 – CASSA	56,576	Moderate
round-leaved filaree	---	2 (2-3-1)	Section 6.3.2 – CASSA	90,439	Low
smooth tarplant	---	1B (2-3-3)	Section 6.3.2 – CASSA	64,394	Low
thread-leaved brodiaea	CE/ FT	1B (3-3-3)	Section 6.3.2 – CASSA	46,569	Currently Listed
San Jacinto Valley crownscale	FE	1B (3-3-3)	Section 6.3.2 – CASSA	19,631	Currently Listed
mud nama	---	2 (3-2-1)	Section 6.3.2 – CASSA	17,003	Low
Nevin's barberry	CE/ FE	1B (3-3-3)	Section 6.3.2 – CASSA	33,863	Currently Listed
Vail Lake ceanothus	CE/ FT	1B (3-3-3)	Section 6.3.2 – CASSA	16,038	Currently Listed
heart-leaved pitcher sage	---	1B (3-2-2)	Section 6.3.2 – CASSA	11,553	Moderate



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Survey Species in the MSHCP Plan Area

Species	Sensitivity – State/Federal ¹	Sensitivity- CNPS ²	Plan Section	Total Acres of Survey Area in MSHCP Plan Area	Potential for State or Federal Listing ³
prostrate navarretia	---	1B (2-3-3)	Section 6.3.2 – CASSA	10,007	Low
California Orcutt grass	CE/ FE	1B (3-3-2)	Section 6.1.3 – Narrow Endemic Species Survey Area Species (NEPSSA)	18,915	Currently Listed
Hammitt's clay-cress	---	1B (3-2-3)	Section 6.1.3 –NEPSSA	12,469	Moderate
many-stemmed dudleya	---	1B (1-2-3)	Section 6.1.3 –NEPSSA	25,432	Low
Munz's onion	CT/ FE	1B (3-3-3)	Section 6.1.3 –NEPSSA	10,524	Currently Listed
San Diego ambrosia	FE	1B (3-3-2)	Section 6.1.3 –NEPSSA	14,325	Currently Listed
San Miguel savory	---	1B (2-2-2)	Section 6.1.3 –NEPSSA	15,618	Low
Johnston's rock cress	---	1B (3-2-3)	Section 6.1.3 –NEPSSA	7,989	Moderate
Munz's mariposa lily	---	1B (3-2-3)	Section 6.1.3 –NEPSSA	7,989	Moderate
San Jacinto Mtns. bedstraw	---	1B (3-1-3)	Section 6.1.3 –NEPSSA	7,989	Low
Brand's phacelia	---	1B (3-3-2)	Section 6.1.3 –NEPSSA	3,509	High
Yucaipa onion	---	1B (3-3-3)	Section 6.1.3 –NEPSSA	4,586	High
slender-horned spineflower	CE/ FE	1B (3-3-3)	Section 6.1.3 –NEPSSA	5,941	Currently Listed
spreading navarretia	FT	1B (2-3-2)	Section 6.1.3 –NEPSSA	18,915	Currently Listed
Wright's trichocoronis	---	2 (3-3-1)	Section 6.1.3 –NEPSSA	18,915	High

1. State of California

CE- Endangered

CT- Threatened

CSC- California or CDFG Species of Special Concern

Federal

FE- Endangered

FT- Threatened

BCC- Bird of Conservation Concern



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2. California Native Plant Society (CNPS)

Lists

- 1A: Presumed Extinct in California
- 1B: Rare or Endangered in California and Elsewhere
- 2: Rare or Endangered in California, More Common Elsewhere
- 3: Need More Information
- 4: Plants of Limited Distribution

Note: Plants on CNPS list 1B meet California Department of Fish and Game Criteria for Rare or Endangered listing.

R-E-D code

- R (*Rarity*)
 - 1- Rare, but found in sufficient numbers and distributed widely enough that the potential for extinction or extirpation is low at this time.
 - 2- Occurrence confined to several populations or to one extended population.
 - 3- Occurrence limited to one or a few highly restricted populations, or present in such small numbers that it is seldom reported.
- E (*Endangerment*)
 - 1- Not endangered
 - 2- Endangered in a portion of its range
 - 3- Endangered throughout its range
- D (*Distribution*)
 - 1- More or less widespread outside of California
 - 2- Rare outside California
 - 3- Endemic to California

3. For plant species CNPS List 2 species were considered to have a low potential for listing. CNPS List 1B species with an R-E-D code of 3-3-3, 3-3-2 or 3-3-1 were considered to have a high potential for listing. CNPS List 1B species with an R-E-D code of 3-2-2 or 3-2-2 were considered to have a moderate potential for listing. CNPS List species with an R-E-D code of 1-2-3, 2-2-2, 2-3-2 or 2-3-3 were considered to have a low potential for listing. For wildlife species, Burrowing owl was considered to have a high potential for listing because this species was petitioned in 2003 for state-listing. In 2004, the Fish and Game commission denied the petition. L.A. pocket mouse is a California Species of Special Concern, has restricted habitat requirements (sandy soils), likely has always been relatively uncommon due to its habitat requirements, and appears to be becoming more uncommon due to loss of habitat; therefore, this species was considered to have a moderate potential for listing. Aguanga kangaroo rat is considered to have a low potential for listing because it is not currently considered sensitive by CDFG of USFWS and relatively little is known about its distribution and population trends