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## **Appendix A: Focal Species List**

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### **Plant and Animal Species of the Southern California Mountains and Foothills Assessment**

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The following table contains the complete list of “emphasis” species addressed in the Southern California Mountains and Foothills Assessment. Information provided for each species includes: scientific name, common name, taxa, distribution by national forest, federal status, state status, criteria used to identify species as “emphasis,” assigned grouping based on habitat association and conservation category.

#### **Conservation Category Definitions:**

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##### **“Minimal Influence” — Minimal ability to conserve within the study area**

Species whose conservation is affected minimally by public land management actions in the mountains and foothills. These are species whose primary habitat is outside the assessment area (or at least outside public lands within the assessment area) and they occur within the area only incidentally or in insignificant numbers.

##### **“Landscape-level” — Species best conserved through habitat or landscape level management**

Species that can be conserved through management activities at the habitat or landscape scale. These species have relatively robust populations and/or have life history characteristics that respond to habitat scale conservation. They are predictable occupants of a broad habitat type or structural stage; thus, species-specific surveys are not crucial in order to conserve. Their persistence can be relatively accurately inferred in a well-managed, functioning landscape that is within the natural range of variability.

##### **“Site Specific” — Species requiring specific conservation measures**

Organisms requiring species-level conservation action (including protection of individual locations) in order to ensure their persistence in the planning area. Species in this category have one or more of the following characteristics: extremely small populations, narrowly endemism within the landscape, highly specialized life history requirements, high sensitivity to small changes in habitat, and dependence on intensive conservation activities (e.g. exotic species control). The species in this category require one or more of the following conservation actions: (1) site-specific protections or habitat enhancements, (2) reintroductions, and (3) additional data collection and research to determine basic needs.

## Code Definitions:

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### <sup>1</sup> Forest Occurrence Codes

y = occurs; breeds or probably breeds  
 p = potentially occurs and breeds  
 w = winters on forest  
 h = historically occurred and bred  
 t = transient, migrates through forest

### <sup>2</sup> Federal Status Codes

FE = Federally Listed Endangered  
 FT = Federally Listed Threatened  
 SC = "Species of Concern" List (former C2)  
 S = Forest Service Sensitive List  
 PE = Federally Proposed Endangered  
 PT = Federally Proposed Threatened  
 C = Candidate species

### <sup>3</sup> State of California Status Codes

CE = State Listed Endangered  
 CT = State Listed Threatened  
 SSC = Species of Special Concern  
 CR = State Listed Rare

### Species Type (Spp. Type) Codes

1 = Federal/State Endangered, Threatened  
 or Proposed  
 2 = Forest Service Sensitive  
 3 = Federal Candidate and "Species of Concern,"  
 State Rare and "Species of Special Concern"  
 4 = Game Species  
 5 = High Management/Public Interest  
 6 = Local Viability Concern  
 7 = Riparian Species of Concern

### Habitat Group (Hab. Grp.) Codes

1 = Riparian, Aquatic and Aquatic/Upland  
 1.1 = primarily at low elevations (<4,000 ft.)  
 1.2 = primarily at high elevations (>4,000 ft.)  
 2 = Foothill Oak Woodland, Savanna, and Grassland  
 3 = Scrub and Chaparral  
 3.1 = primarily in coastal sage scrub  
 3.2 = primarily in chaparral  
 4 = Mixed Hardwood and Conifer  
 5 = Montane Conifer Forest  
 5.1 = primarily in lower elevation, pine-dominated forests  
 5.2 = primarily in upper elevation, fir-dominated forests  
 6 = Monterey Coast  
 7 = Subalpine and Alpine  
 8 = Desert Montane  
 9 = Gabbro  
 10 = Limestone/Carbonate  
 11 = Pebble Plain  
 12 = Serpentine  
 13 = Montane Meadow  
 13.1 = primarily in wet meadows  
 13.2 = primarily in dry meadows  
 14 = Lake  
 16 = Habitat Generalist  
 16.1 = cliff nesting species  
 17 = Low Elevation Valley Floor  
 17.1 = primarily in cismontane valleys  
 17.2 = primarily in the western San Joaquin Valley  
 18 = Desert Floor

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**Table A.** The 184 animal and 255 plant taxa that were evaluated to assess their vulnerability and conservation potential within the Southern California Mountains and Foothills Assessment Area.

Scientific Name	Common Name	C N F <sup>1</sup>	SB N F	A N F	LP N F	Fed. <sup>2</sup>	CA <sup>3</sup>	Spp. Type	Hab. Grp.	Conservation Category	Page Num.
<b>Invertebrates</b>											
<i>Branchinecta longiantenna</i>	longhorn fairy shrimp				p	FE		1	17.2	Min influence	p. 163
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	p			p	FT		1	17	Landscape	p. 170
<i>Psychomastix pysylla deserticola</i>	desert monkey grasshopper		y			SC		3	8	Landscape	p. 211
<i>Diplectronan californica</i>	CA diplectronan caddisfly		y	y		SC		3	1	Landscape	p. 155
<i>Cicindela tranquebarica virudisima</i>	greenest tiger beetle		p			SC		3	1.1	Min influence	p. 155
<i>Paleoxenus dorbni</i>	Dorhns elegant eucnemid beetle		p	p		SC		3		Landscape	
<i>Pleocoma bicolor</i>	Bicolored rainbeetle		y					6	5.1	Landscape	p. 193
<i>Coloradia velda</i>	San Bernardino Mts. silk moth		y					6	8	Landscape	p. 211
<i>Euchloe hyantis andrewsi</i>	Andrew's marble butterfly		y			SC		3	5	Landscape	p. 194
<i>Euphilotes baueri vernalis</i>	vernal blue butterfly		y					6	8	Landscape	p. 213
<i>Euphilotes enoptes cryptorufes</i>	Pratt's blue butterfly		y					6	3	Landscape	p. 179
<i>Euphilotes enoptes smithi</i>	Smith's blue butterfly				y	FE		1	6	Site specific	p. 158
<i>Euphilotes enoptes dammersi</i>	Dammer's blue butterfly		y					6	8	Landscape	p. 213
<i>Euphydryas editha augusta</i>	August checkerspot butterfly		y					6	5	Landscape	p. 195
<i>Euphydryas editha quino</i>	Quino checkerspot butterfly	h/p	p	p		FE		1	3	Site specific	p. 173
<i>Euphyes vestris harbisoni</i>	Harbison's dun skipper butterfly	y				SC		3	1	Landscape	p. 156
<i>Incisalia mossii doudoroffi</i>	Doudoroff's elfin butterfly				y			6	6	Landscape	p. 160
<i>Incisalia mossii hidakupa</i>	San Gabriel Mts. elfin butterfly		y	y		SC		3	4	Site specific	p. 185
<i>Lycaena hermes</i>	Hermes copper butterfly	y				SC		3	3	Landscape	p. 178
<i>Lycaena heteronea clara</i>	bright blue copper butterfly				y			6	8	Site specific	p. 211
<i>Mitoura thornei</i>	Thorn's hairstreak butterfly	p				SC		3	9	Site specific	p. 187
<i>Plebulina emigdionis</i>	San Emigdio blue butterfly			p	y	SC		3	8	Site specific	p. 213
<i>Plebejus saepiolus aureolus</i>	San Gabriel Mts. greenish blue			y		SC		3	13	Site specific	p. 208
<i>Pyrgus ruralis lagunae</i>	Laguna Mts. skipper butterfly	y				FE		1	13	Site specific	p. 206
<i>Speyeria adiaste clemencei</i>	Clemence's silverspot butterfly				y			6	3	Landscape	p. 161
<b>Fish</b>											
<i>Lampetra tridentata</i>	Pacific lamprey	h/p			y			6	1.1	Landscape	p. 125
<i>Oncorhynchus mykiss</i>	rainbow trout	y	y	y	y			4	1	Landscape	p. 317
<i>Oncorhynchus mykiss</i>	southern steelhead	h/p	h	h	y	FE/T	SSC	1	1.1	Site specific	p. 125
<i>Gila bicolor mohavensis</i>	Mohave tui chub		y <sup>h</sup>			FE	CE	1	1.1	Site specific	p. 127
<i>Gila orcutti</i>	arroyo chub	y	y	y	y <sup>i</sup>	S	SSC	2	1.1	Landscape	p. 128
<i>Rhinichthys osculus</i>	Santa Ana speckled dace	y	y	y	y	S	SSC	2	1.1	Landscape	p. 129
<i>Catostomus santaanae</i>	Santa Ana sucker	h	h/p	y	y <sup>i</sup>	S	SSC	2	1.1	Site specific	p. 129
<i>Gasterosteus aculeatus microcephalus</i>	partially armored 3-spine stickleback	y	y	y <sup>i</sup>	y	S		2	1	Landscape	p. 131
<i>Gasterosteus aculeatus williamsoni</i>	unarmored 3-spine stickleback				y	FE	CE	1	1.1	Site specific	p. 131
<i>Gasterosteus aculeatus undescribed</i>	Shay Creek stickleback		y			FE		1	1.2	Site specific	p. 131
<i>Eucyclogobius newberryi</i>	tidewater goby				p	FE	SSC	1	1.1	Min influence	p. 133
<b>Amphibians</b>											
<i>Ambystoma californiense</i>	California tiger salamander				p		SSC	3	17.1	Site specific	p. 167
<i>Dicamptodon ensatus</i>	Pacific giant salamander				y			6	6	Landscape	p. 161
<i>Taricha torosa torosa</i>	Coast Range newt	y	p	y	y		SSC	3	1.1	Site specific	p. 133
<i>Ensatina eschscholtzii croceater</i>	yellow-blotched salamander		y		y	S	SSC	2	4	Landscape	p. 187
<i>Ensatina eschscholtzii eschscholtzii</i>	Monterey salamander	y	y	y	y			6	2	Landscape	p. 182
<i>Ensatina eschscholtzii klauberi</i>	large-blotched salamander	y	y			S	SSC	2	4	Landscape	p. 187
<i>Batrachoseps gabrieli</i>	San Gabriel Mt. slender salamander		y	y		S		2	4	Landscape	p. 188
<i>Batrachoseps stebbinsi</i>	Tehachapi slender salamander			p	p	S	CT	2	4	Min influence	p. 189
<i>Aneides lugubris</i>	arboreal salamander	y	y	y	y			6	2	Landscape	p. 183
<i>Spea hammondi</i>	western spadefoot	y	p	p	y	SC	SSC	3	17	Landscape	p. 135
<i>Bufo californicus</i>	arroyo toad	y	y	y	y	FE	SSC	1	1.1	Site specific	p. 135
<i>Rana aurora draytonii</i>	California red-legged frog	h/p	h/p	y	y	FT	SSC	1	1.1	Site specific	p. 138
<i>Rana boylei</i>	foothill yellow-legged frog			h	y	S	SSC	2	1.1	Site specific	p. 140
<i>Rana muscosa</i>	mountain yellow-legged frog	h	y	y		S	SSC	2	1.2	Site specific	p. 141

Scientific Name	Common Name	C N F <sup>1</sup>	SB N F	A N F	LP N F	Fed. <sup>2</sup>	CA <sup>3</sup>	Spp. Type	Hab. Grp.	Conservation Category	Page Num.
<b>Reptiles</b>											
<i>Clemmys marmorata pallida</i>	southwestern pond turtle	y	y	y	y	S	SSC	2	1.1	Site specific	p. 143
<i>Xerobates (Gopherus) agassizii</i>	desert tortoise		p	p		FT	CT	1	18	Min influence	p. 218
<i>Gambelia silus</i>	blunt-nosed leopard lizard				p	FE	CE	1	17.2	Min influence	p. 163
<i>Sceloporus graciosus vandenburgianus</i>	southern sagebrush lizard	y	y	y		SC		3	5	Landscape	p. 195
<i>Sceloporus graciosus gracilis</i>	northern sagebrush lizard				y			6	4	Landscape	p. 195
<i>Urosaurus microscutatus</i>	small-scaled lizard	y						6	8	Landscape	p. 214
<i>Phrynosoma coronatum</i>	coast horned lizard	y	y	y	y	S	SSC	2	3	Landscape	p. 179
<i>Eumeces skiltonianus interparietalis</i>	Coronado skink	y	y			SC	SSC	3	16	Landscape	p. 117
<i>Cnemidophorus hyperythrus</i>	orange-throated whiptail	y	y			SC	SSC	3	3.1	Landscape	p. 175
<i>Anniella pulchra</i>	California legless lizard	y	y	y	y	S	SSC	2	16	Landscape	p. 115
<i>Charina bottae umbratica</i>	southern rubber boa		y			S	CT	1	5.1	Landscape	p. 195
<i>Lichanura trivirgata roseofusca</i>	coastal rosy boa	y	y	y		S		2	3	Landscape	p. 180
<i>Diadophis punctatus modestus</i>	San Bernardino ringneck snake	p	y	y		S		2	16	Landscape	p. 118
<i>Diadophis punctatus similis</i>	San Diego ringneck snake	y	y			S		2	16	Landscape	p. 118
<i>Salvadora hexalepis virgulata</i>	coast patch-nosed snake	y	y	y	y	SC	SSC	3	3	Landscape	p. 178
<i>Lampropeltis zonata multifasciata</i>	coast mountain kingsnake			y	y	SC	SSC	3	5	Landscape	p. 197
<i>Lampropeltis zonata parvirubra</i>	San Bernardino Mtn. kingsnake		y	y		S	SSC	2	5	Landscape	p. 197
<i>Lampropeltis zonata pulchra</i>	San Diego Mtn. kingsnake	y				S	SSC	2	5	Landscape	p. 197
<i>Thamnophis sirtalis concinnus</i>	so. coast red-sided garter snake	p	p		p			6	1.1	Site-specific	p. 144
<i>Thamnophis elegans elegans</i>	mountain garter snake		y					6	5	Landscape	p. 197
<i>Thamnophis hammondi</i>	two-striped garter snake	y	y	y	y	S	SSC	2	1	Landscape	p. 144
<i>Crotalus ruber ruber</i>	red diamond rattlesnake	y	y			SC	SSC	3	3	Landscape	p. 180
<b>Birds</b>											
<i>Pelecanus occidentalis californicus</i>	California brown pelican				y	FE	CE	1	6	Min influence	p. 161
<i>Charadrius alexandrinus</i>	snowy plover				p	FT	SSC	1	6	Site specific	p. 161
<i>Charadrius montanus</i>	mountain plover				w	PT	SSC	3	17	Min influence	p. 165
<i>Brachyramphus marmoratus</i>	marbled murrelet				y	FT	CE	1	6	Site specific	p. 162
<i>Gymnogyps californianus</i>	California condor	h	h	h	y	FE	CE	1	16.1	Site specific	p. 119
<i>Aquila chrysaetos</i>	golden eagle	y	y	y	y		SSC	3	16.1	Landscape	p. 119
<i>Haliaeetus leucocephalus</i>	bald eagle	w	y	w	w	FT	CE	1	14	Site specific	p. 157
<i>Pandion haliaetus</i>	osprey	y	y	y	y		SSC	3	14	Min influence	p. 158
<i>Accipiter striatus</i>	sharp-shinned hawk	y	y	y	y		SSC	3	5	Landscape	p. 198
<i>Accipiter cooperii</i>	Cooper's hawk	y	y	y	y		SSC	3	1	Landscape	p. 145
<i>Accipiter gentilis</i>	northern goshawk	t	y	y	y	S	SSC	2	5	Site specific	p. 198
<i>Buteo albonotatus</i>	zone-tailed hawk	y	y					6	8	Landscape	p. 214
<i>Buteo swainsoni</i>	Swainson's hawk	t	t	p	p	S	CT	1	17	Min influence	p. 171
<i>Falco peregrinus anatum</i>	American peregrine falcon	y	y	y	y	FE	CE	1	16.1	Site specific	p. 121
<i>Falco mexicanus</i>	prairie falcon	y	y	y	y		SSC	3	16.1	Landscape	p. 121
<i>Dendragapus obscurus</i>	Mt. Pinos blue grouse				h/p			6	5.2	Site specific	p. 199
<i>Callipepla californica</i>	California quail	y	y	y	y			4	16	Landscape	p. 318
<i>Oreortyx pictus</i>	mountain quail	y	y	y	y			4	16	Landscape	p. 318
<i>Alectoris chukar</i>	chukar	p	y	p	y			4	8	Landscape	
<i>Meleagris gallopavo</i>	wild turkey	y	y		y			4	4	Landscape	p. 319
<i>Columba fasciata</i>	band-tailed pigeon	y	y	y	y			4	4	Landscape	p. 320
<i>Zenaidura macroura</i>	mourning dove	y	y	y	y			4	16	Landscape	
<i>Coccyzus americanus occidentalis</i>	yellow-billed cuckoo				p	S	CE	1	1.1	Min influence	p. 145
<i>Orus flammeolus</i>	flammulated owl	y	y	y	y			6	5.1	Landscape	p. 200
<i>Orus kennicottii</i>	western screech owl	y	y	y	y			6	2	Landscape	p. 184
<i>Glaucidium gnoma</i>	northern pygmy owl	y	y	y	y			6	4	Landscape	p. 191
<i>Athene cucularia hypogaeae</i>	burrowing owl	p	p		p	SC	SSC	3	17	Min influence	p. 170
<i>Strix occidentalis occidentalis</i>	California spotted owl	y	y	y	y	S	SSC	2	4	Site specific	p. 189
<i>Asio otus</i>	long-eared owl	y	y	y	y		SSC	3	2	Landscape	p. 185
<i>Aegolius acadicus</i>	northern saw-whet owl	y	y	y	y			6	5	Landscape	p. 200
<i>Chordeiles minor</i>	common nighthawk		y	y				6	8	Site specific	p. 214
<i>Cypseloides niger</i>	black swift	p	y	y	p		SSC	3	1	Site specific	p. 146
<i>Stellula calliope</i>	calliope hummingbird	p	y	y	y			6	13	Landscape	p. 209
<i>Sphyrapicus thyroideus</i>	Williamson's sapsucker		y	y	y			6	5.2	Landscape	p. 201
<i>Picoides albolarvatus gravivirostris</i>	white-headed woodpecker	y	y	y	y			6	5	Landscape	p. 202
<i>Empidonax traillii extimus</i>	southwestern willow flycatcher	y	y	y	y	FE		1	1.1	Site specific	p. 147

Scientific Name	Common Name	C N F	SB N F	A N F	LP N F	Fed. <sup>2</sup>	CA <sup>3</sup>	Spp. Type	Hab. Grp.	Conservation Category	Page Num.
<i>Empidonax wrightii</i>	gray flycatcher		y	p				6	8	Landscape	p. 214
<i>Progne subis</i>	purple martin	y	y	y	y		SSC	3	4	Landscape	p. 191
<i>Tachycineta bicolor</i>	tree swallow	y	y	y	y			6	1	Landscape	p. 150
<i>Cymnorhinus cyanocephalus</i>	pinyon jay		y	p	y			6	8	Landscape	p. 215
<i>Pica nuttalli</i>	yellow-billed magpie				y			6	2	Landscape	p. 183
<i>Campylorhynchus brunneicapillus</i>	coastal cactus wren	p	h/p	y		S	SSC	2	3.1	Min influence	p. 177
<i>Polioptila californica</i>	California gnatcatcher	y	p			FT	SSC	1	3.1	Site specific	p. 175
<i>Catharus ustulatus</i>	Swainson's thrush	y	y	y	y			7	1.1	Site specific	p. 150
<i>Catharus guttatus</i>	hermit thrush	w	y	y	y			6	5.2	Landscape	p. 202
<i>Lanius ludovicianus</i>	loggerhead shrike	y	y	y	y	SC	SSC	3	17	Landscape	p. 171
<i>Toxostoma bendirei</i>	Bendire's thrasher		y				SSC	3	18	Min influence	p. 219
<i>Toxostoma lecontei</i>	Le Conte's thrasher		y	p	p		SSC	3	18	Min influence	p. 220
<i>Anthus spinoletta</i>	American (water) pipit	w	p/w	w	w			6	7	Site specific	p. 210
<i>Cinclus mexicanus</i>	American dipper	h/p	y	y	y			6	1.2	Landscape	p. 151
<i>Vireo bellii pusillus</i>	least Bell's vireo	y	p	p	y	FE	CE	1	1.1	Site specific	p. 152
<i>Vireo vicinior</i>	gray vireo	y	y	y			SSC	3	8	Landscape	p. 215
<i>Vireo solitarius cassinii</i>	solitary vireo (Cassins)	y	y	y	y			6	4	Landscape	p. 192
<i>Vireo solitarius plumbeus</i>	solitary vireo (Plumbeus)		y	y				6	8	Landscape	p. 216
<i>Vireo gilvus</i>	warbling vireo	y	y	y	y			7	1	Landscape	p. 153
<i>Vermivora virginiae</i>	Virginia's warbler	t	y	y	t		SSC	3	5	Landscape	p. 202
<i>Dendroica petechia brewsteri</i>	yellow warbler	y	y	y	y		SSC	3	1.1	Landscape	p. 153
<i>Oporornis tolmiei</i>	Macgillivray's warbler	t	y	y	p			6	13.1	Landscape	p. 209
<i>Geothlypis trichas</i>	common yellowthroat	y	y	y	y			6	1.1	Landscape	p. 153
<i>Icteria virens</i>	yellow-breasted chat	y	y	y	y		SSC	3	1.1	Landscape	p. 154
<i>Aimophila ruficeps canescens</i>	rufous-crowned sparrow	y	y	y	y	SC	SSC	3	3.1	Landscape	p. 177
<i>Amphispiza belli belli</i>	Bell's sage sparrow	y	y	y	y	SC	SSC	3	3	Landscape	p. 179
<i>Melospiza lincolni</i>	Lincoln's sparrow	w	y	y	y			6	13	Landscape	p. 210
<i>Piranga falva</i>	hepatic tanager		y				SSC	3	8	Landscape	p. 217
<i>Piranga rubra</i>	summer tanager	t	t	y			SSC	3	18	Min influence	p. 220
<i>Carduelis lawrencei</i>	Lawrence's goldfinch	y	y	y	y			7	1.1	Landscape	p. 154
<b>Mammals</b>											
<i>Sorex monticolus parvidens</i>	dusky shrew (San Bernardino)		y	y				6	1.2	Landscape	p. 156
<i>Macrotus californicus</i>	California leaf-nosed bat	p	p			S	SSC	2	18	Min influence	p. 221
<i>Myotis yumanensis</i>	Yuma myotis bat	y	y	y	y			3	16	Landscape	p. 121
<i>Myotis evotis</i>	long-eared myotis bat	y	y	y	y	SC		3	5	Landscape	p. 203
<i>Myotis thysanodes</i>	fringed myotis bat	y	y	y	y	SC		3	5	Landscape	p. 203
<i>Myotis volans</i>	long-legged myotis bat	y	y	y	y	SC		3	5	Landscape	p. 203
<i>Myotis ciliolabrum</i>	western small-footed myotis bat	y	y	y	y	SC		3	16	Landscape	p. 122
<i>Lasiurus blosvillii</i>	western red bat	y	p	y	y	S	SSC	2	1	Landscape	p. 156
<i>Euderma maculatum</i>	spotted bat	y	y	y	y	SC	SSC	3	16	Landscape	p. 122
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat	y	y	y	y	S	SSC	2	16	Site specific	p. 122
<i>Antrozous pallidus</i>	pallid bat	y	y	y	y	S	SSC	2	16	Landscape	p. 122
<i>Eumops perotis californicus</i>	western mastiff bat	y	y	y	y	SC	SSC	3	16	Landscape	p. 123
<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit	p	y	h/p		SC	SSC	3	17.1	Min influence	p. 170
<i>Tamias obscurus davisii</i>	California chipmunk		y					6	16	Landscape	p. 123
<i>Tamias speciosus callipeplus</i>	Mt. Pinos lodgepole chipmunk				y	S		2	5.2	Landscape	p. 210
<i>Tamias speciosus speciosus</i>	lodgepole chipmunk		y	y				6	5.2	Landscape	p. 210
<i>Ammospermophilus nelsoni</i>	San Joaquin antelope squirrel				p		CT	1	17.2	Min influence	p. 165
<i>Spermophilus mohavensis</i>	Mohave ground squirrel		p	p		SC	CT	1	18	Min influence	p. 222
<i>Spermophilus lateralis</i>	golden-mantled ground squirrel		y					6	5	Landscape	p. 204
<i>Glaucomys sabrinus californicus</i>	San Bernardino flying squirrel		y			S	SSC	2	5	Landscape	p. 204
<i>Perognathus longimembris brevinasus</i>	Los Angeles pocket mouse		p	p		S	SSC	2	17.1	Min influence	p. 167
<i>Perognathus longimembris pacificus</i>	Pacific pocket mouse	p				FE	SSC	1	17.1	Min influence	p. 168
<i>Perognathus alticola alticola</i>	SB white-eared pocket mouse		h/p	p		S	SSC	2	5.1	Site specific	p. 206
<i>Perognathus alticola inexpectatus</i>	Tehachapi pocket mouse			h/p	y	S	SSC	2	8	Landscape	p. 217
<i>Chaetodipus fallax</i>	San Diego pocket mouse	y	y	y		SC	SSC	3	3	Landscape	p. 181
<i>Dipodomys ingens</i>	giant kangaroo rat				p	FE	CE	1	17.2	Min influence	p. 165
<i>Dipodomys stephensi</i>	Stephens' kangaroo rat	y	p			FE	CT	1	17.1	Min influence	p. 168
<i>Dipodomys merriami parvus</i>	San Bernardino kangaroo rat		y	p		FE	SSC	1	17.1	Site specific	p. 168
<i>Neotoma lepida intermedia</i>	San Diego desert woodrat	y	y	y	y	SC	SSC	3	8	Landscape	

Scientific Name	Common Name	C N F <sup>1</sup>	SB N F	A N F	LP N F	Fed. <sup>2</sup>	CA <sup>3</sup>	Spp. Type	Hab. Grp.	Conservation Category	Page Num.
<i>Neotoma fuscipes luciana</i>	Monterey dusky-footed woodrat				y	SC	SSC	3	6	Landscape	p. 162
<i>Erethizon dorsatum</i>	porcupine		y	h/p				6	5	Landscape	p. 206
<i>Vulpes macrotis mutica</i>	San Joaquin kit fox				t	FE	CT	1	17.2	Min influence	p. 166
<i>Ursus americanus</i>	black bear		y	y	y			4	16	Landscape	p. 328
<i>Bassariscus astutus</i>	ringtail	y	y	y	y			6	1	Landscape	p. 157
<i>Taxidea taxus</i>	American badger	y	y	p	y		CR	3	16	Site specific	p. 124
<i>Spilogale gracilis</i>	western spotted skunk	y	y	y	y	SC	SSC	3	16	Landscape	p. 124
<i>Enhydra lutris nereis</i>	southern sea otter				y	FT		1	6	Min influence	p. 162
<i>Puma (Felis) concolor</i>	mountain lion	y	y	y	y			5	16	Landscape	p. 330
<i>Sus Scrofa</i>	wild pig			p	y			4	16	Landscape	
<i>Eumetopias jubatus</i>	Steller (northern) sea lion				y	FT		1	6	Min influence	p. 163
<i>Equus caballus</i>	wild horse				y			5	2	Landscape	p. 331
<i>Equus asinus</i>	wild burro		y					5	8	Landscape	p. 332
<i>Cervus elaphus nannodes</i>	tule elk				y			5	17	Min influence	p. 326
<i>Odocoileus hemionus</i>	mule deer	y	y	y	y			4	16	Landscape	p. 320
<i>Ovis canadensis cremnobates</i>	Peninsular bighorn sheep		y			FE	CT	1	8	Site specific	p. 217
<i>Ovis canadensis nelsoni</i>	Nelson's bighorn sheep		y	y	y			5	16	Site specific	p. 324
<b>Plants</b>											
<i>Botrychium crenulatum</i>	scalloped moonwort		y	p		SC/S		2	13.1	Site specific	p. 281
<i>Thelypteris puberula sonorensis</i>	Sonoran maiden fern		y	p	y			6	1.1	Landscape	p. 228
<i>Cupressus forbesii</i>	Tecate cypress	y				SC/S		2		Landscape	p. 47
<i>Cupressus sargentii</i>	Sargent cypress				y			6		Landscape	p. 56
<i>Cupressus stephensonii</i>	Cuyamaca cypress	y				SC/S		2		Landscape	p. 45
<i>Abies bracteata</i>	Santa Lucia fir				y			6		Landscape	p. 58
<i>Pinus attenuata</i>	knobcone pine		y		y			6		Landscape	p. 60
<i>Oreonana vestita</i>	woolly mountain-parsley		y	y				6	7	Landscape	p. 291
<i>Perideridia gairdneri gairdneri</i>	Gairdner's yampah	p		p	y			6	6	Landscape	p. 308
<i>Perideridia parishii parishii</i>	Parish's yampah		y					6	13.1	Landscape	p. 283
<i>Podistera nevadensis</i>	Sierra podistera		h/p					6	7	Min influence	p. 291
<i>Sanicula maritima</i>	adobe sanicle				y	S	CR	2	12	Site specific	p. 311
<i>Antennaria marginata</i>	white-margined everlasting		h					6	5	Min influence	p. 262
<i>Artemisia palmeri</i>	San Diego sagewort	y						6	1.1	Landscape	p. 228
<i>Aster greatae</i>	Greata's aster		p	y				6	3.2	Landscape	p. 250
<i>Baccharis vanessae</i>	Encinitas baccharis	y				FT	CE	1	3	Site specific	p. 241
<i>Calycadenia villosa</i>	dwarf calycadenia				y	S		2	2	Site specific	p. 234
<i>Chaenactis parishii</i>	Parish's chaenactis	y	y					6	3.2	Landscape	p. 251
<i>Cirsium loncholepis</i>	La Graciosa thistle				y	PE	CT	1	1.1	Site specific	p. 230
<i>Ericameria cuneata macrocephala</i>	Laguna Mtns. goldenbush	y						6	8	Landscape	p. 298
<i>Ericameria palmeri palmeri</i>	Palmer's goldenbush	p						6	1.1	Min influence	p. 232
<i>Erigeron breweri bisanctus</i>	pious daisy		y	y				6	3.2	Landscape	p. 252
<i>Erigeron breweri jacinteus</i>	San Jacinto Mtns. daisy		y	y				6	7	Landscape	p. 287
<i>Erigeron parishii</i>	Parish's daisy		y			FT		1	10	Site specific	p. 303
<i>Erigeron uncialis uncialis</i>	limestone daisy		y			S		2	10		p. 303
<i>Eriophyllum lanatum hallii</i>	Fort Tejon woolly sunflower				y	SC/S		2	2	Landscape	p. 238
<i>Eriophyllum lanatum obovatum</i>	so. Sierra woolly sunflower		y					6	5	Landscape	p. 263
<i>Geraea viscida</i>	sticky geraea	y						6	8	Landscape	p. 298
<i>Grindelia hirsutula hallii</i>	San Diego gumplant	y						6	13.1	Landscape	
<i>Helianthus nuttallii parishii</i>	Los Angeles sunflower		h					6	13.1	Min influence	p. 281
<i>Hemizonia floribunda</i>	Tecate tarplant	p				SC/S		2	1.1	Min influence	p. 233
<i>Hemizonia mohavensis</i>	Mojave tarplant	y	y	p		SC/S	CE	1	1	Landscape	p. 226
<i>Hemizonia pungens laevis</i>	smooth tarplant	p						6	1.1	Min influence	
<i>Holocarpha virgata elongata</i>	graceful tarplant	y						6	2	Landscape	
<i>Hulsea californica</i>	San Diego sunflower	y						6	5	Landscape	p. 267
<i>Hulsea vestita callicarpa</i>	beautiful hulsea	y	y					6	5	Landscape	p. 267
<i>Hulsea vestita gabrielensis</i>	San Gabriel Mtns. sunflower		p	y	y			6	16	Landscape	p. 314
<i>Hulsea vestita parryi</i>	Parry's sunflower		y					6	16	Landscape	p. 314
<i>Hulsea vestita pygmaea</i>	pygmy hulsea		y					6	7	Landscape	p. 290
<i>Layia heterotricha</i>	pale-yellow layia				y	SC/S		2	16	Site specific	p. 315
<i>Layia ziegleri</i>	Ziegler's tidy-tips		y					6	13	Landscape	p. 277
<i>Lessingia glandulifera tomentosa</i>	Warner Springs lessingia	y				SC/S		2			

Scientific Name	Common Name	C N F	SB N F	A N F	LP N F	Fed. <sup>2</sup>	CA <sup>3</sup>	Spp. Type	Hab. Grp.	Conservation Category	Page Num.
<i>Machaeranthera asteroides lagunensis</i>	Laguna Mtns. aster	y	p			SC/S	CR	2	13	Site specific	p. 277
<i>Machaeranthera canescens zieglerei</i>	Ziegler's aster		y			S		2	5	Landscape	p. 268
<i>Malacothrix saxatilis arachnoidea</i>	Carmel Valley cliff-aster				y	S		2	3.2	Landscape	
<i>Pentachaeta exilis aeolica</i>	slender pentachaeta				y	SC/S		2	2	Site specific	p. 238
<i>Pyrocoma uniflora gossypina</i>	Bear Valley pyrocoma		y			SC/S		2	13.2	Site specific	p. 285
<i>Raillardiopsis muirri</i>	Muir's raillardella				y	S		2	6	Landscape	p. 308
<i>Senecio bernardinus</i>	San Bernardino ragwort		y			SC/S		2	13.2	Site specific	p. 286
<i>Senecio ganderi</i>	Gander's ragwort	y				SC/S	CR	2	9	Site specific	p. 261
<i>Senecio ionophyllus</i>	Tehachapi ragwort		y	y				6	5	Landscape	p. 270
<i>Stylocline masonii</i>	Mason neststraw			y	y			6	8	Site specific	p. 299
<i>Syntrichopappus lemmonii</i>	Lemmon's syntrichopappus		y	y	p			6	8	Landscape	p. 300
<i>Taraxacum californicum</i>	California dandelion		y			FE		1	13.1	Site specific	p. 284
<i>Berberis nevinii</i>	Nevin's barberry	y	h/p	y		FE	CE	1	3	Site specific	p. 241
<i>Plagiobothrys uncinatus</i>	hooked popcorn-flower				y	SC/S		2	3.2	Landscape	p. 255
<i>Arabis breweri pecuniaria</i>	San Bernardino rock cress		y			SC/S		2	7	Site specific	p. 287
<i>Arabis dispar</i>	pinyon rock cress		y					6	8	Site specific	p. 292
<i>Arabis johnstonii</i>	Johnston's rock cress		y					6	3.2	Landscape	p. 246
<i>Arabis parishii</i>	Parish's rock cress		y			SC/S		2	11	Landscape	p. 271
<i>Arabis shockleyi</i>	Shockley's rock cress		y			S		2	10	Site specific	p. 302
<i>Caulanthus amplexicaulis barbarae</i>	Santa Barbara jewelflower				y	SC/S		2	12	Site specific	p. 310
<i>Caulanthus californicus</i>	California jewelflower				p	FE	CE	1	8	Min influence	p. 293
<i>Caulanthus simulans</i>	Payson's jewelflower	y	y			SC/S		2	8	Landscape	p. 296
<i>Lepidium flavum felipense</i>	Borrego Valley pepper-grass	p						6	8	Min influence	
<i>Lepidium virginicum robinsonii</i>	Robinson's pepper-grass	y						6	3	Landscape	p. 244
<i>Lesquerella kingii bernardina</i>	San Bern. Mtns. bladderpod		y			FE		1	10	Site specific	p. 305
<i>Rorippa gambellii</i>	Gambel's water cress	p	p			FE		1	1.1	Min influence	p. 233
<i>Sibaropsis hammittii</i>	Hammitt's clay-cress	y				S		2	2		p. 238
<i>Streptanthus bernardinus</i>	Laguna Mtns. jewel-flower	y	y	p				6	5	Landscape	p. 270
<i>Streptanthus campestris</i>	southern jewel-flower	y	y		y	S		2	8	Landscape	p. 299
<i>Thelypodium stenopetalum</i>	slender-petaled thelypodium		y			FE	CE	1	13	Site specific	p. 278
<i>Opuntia basilaris brachyclada</i>	short-joint beavertail	p	y	y		SC/S		2	8	Site specific	p. 299
<i>Downingia concolor brevior</i>	Cuyamaca Lake downingia	p					CE	1	13	Site specific	p. 276
<i>Githopsis diffusa filicaulis</i>	Mission Canyon bluecup	p				SC/S		2			
<i>Arenaria macradenia kuschei</i>	Forest Camp sandwort			y		SC/S		2	3.2	Landscape	p. 247
<i>Arenaria paludicola</i>	marsh sandwort		p			FE	CE	1	13.1	Site specific	p. 279
<i>Arenaria ursina</i>	Big Bear Valley sandwort		y			FT		1	11	Site specific	p. 271
<i>Atriplex parishii</i>	Parish's brittle-scale		p			SC/S		2	16	Min influence	p. 312
<i>Calystegia peirsonii</i>	Pierson's morning-glory			y				6	16	Landscape	p. 314
<i>Dudleya abramsii affinis</i>	San Bernardino Mtns. dudleya		y			SC/S		2	8	Site specific	p. 297
<i>Dudleya cymosa crebrifolia</i>	San Gabriel River dudleya			y				6	3.2	Site specific	p. 252
<i>Dudleya cymosa ovatifolia</i>	Santa Monica Mtns. dudleya	y		p		FT		1	3	Site specific	p. 244
<i>Dudleya densiflora</i>	San Gabriel Mtns. dudleya			y		C/S		2	1.1	Site specific	p. 231
<i>Dudleya multicaulis</i>	many-stemmed dudleya	y		y		SC/S		2	3.1	Landscape	p. 245
<i>Dudleya viscida</i>	sticky dudleya	y				SC/S		2	3.1	Landscape	p. 245
<i>Sedum niveum</i>	Davidson's stonecrop		y			S		2	5	Landscape	p. 269
<i>Arctostaphylos cruzensis</i>	La Cruz manzanita				y	SC/S		2	6	Site specific	p. 307
<i>Arctostaphylos edmundsii</i>	Little Sur manzanita				y	SC/S	CR	2	3	Site specific	p. 239
<i>Arctostaphylos hooveri</i>	Hoover's manzanita				y			6			
<i>Arctostaphylos luciana</i>	Santa Lucia manzanita			y	y	SC/S		2	3.2	Landscape	p. 246
<i>Arctostaphylos obispoensis</i>	Bishop manzanita				y			6			
<i>Arctostaphylos otayensis</i>	Otay manzanita	p						6	9	Min influence	p. 256
<i>Arctostaphylos peninsularis peninsularis</i>	peninsular manzanita		p			S		2	3.2	Min influence	p. 246
<i>Arctostaphylos pilosula</i>	Santa Margarita manzanita				y	SC/S		2	3.2	Site specific	p. 247
<i>Arctostaphylos rainbowensis</i>	Rainbow manzanita	y				S		2	3.2	Site specific	p. 247
<i>Arctostaphylos refugioensis</i>	Refugio manzanita				y	SC/S		2	3.2	Landscape	p. 247
<i>Tetracoccus dioicus</i>	Parry's tetracoccus	y				SC/S		2	9	Site specific	p. 261
<i>Astragalus albens</i>	Cushenbury milk-vetch		y			FE		1	10	Site specific	p. 302
<i>Astragalus bicristatus</i>	crested milk-vetch		y	p		S		2	5	Landscape	p. 262
<i>Astragalus brauntonii</i>	Braunton's milk-vetch	p		p		FE		1	10	Site specific	p. 239
<i>Astragalus deanei</i>	Dean's milk-vetch	y				SC/S		2	1.1	Landscape	p. 230
<i>Astragalus douglasii perstrictus</i>	Jacumba milk-vetch	y				SC/S		2	8	Landscape	p. 292
<i>Astragalus lentiginosus antonius</i>	San Antonio milk-vetch		p	y		SC/S		2	5	Site specific	p. 262
<i>Astragalus lentiginosus coachellae</i>	Coachella Valley milk-vetch		p			FE		1	18	Min influence	p. 306

Scientific Name	Common Name	C N F	SB N F	A N F	LP N F	Fed. <sup>2</sup>	CA <sup>3</sup>	Spp. Type	Hab. Grp.	Conservation Category	Page Num.
<i>Astragalus lentiginosus sierrae</i>	Big Bear Valley milk-vetch		y			SC/S		2	8	Landscape	p. 292
<i>Astragalus leucolobus</i>	Big Bear Valley woollypod	p	y	y	p	S		2	8	Landscape	p. 292
<i>Astragalus oocarpus</i>	San Diego milk-vetch	y				SC/S		2	16	Site specific	p. 312
<i>Astragalus pachypus jaegeri</i>	Jaeger's milk-vetch	y	p			SC/S		2	16	Site specific	p. 312
<i>Astragalus tricarinatus</i>	triple-ribbed milk-vetch		p			FE		1	18	Min influence	p. 306
<i>Lupinus excubitus johnstonii</i>	interior bush lupine			y				6	5	Landscape	
<i>Lupinus ludovicianus</i>	San Luis Obispo County lupine				y	SC/S		2	2	Site specific	p. 238
<i>Marina orcuttii orcuttii</i>	California marina		y			SC/S		2	8	Landscape	p. 299
<i>Rupertia rigida</i>	Parish's rupertia	y	y					6	16	Landscape	p. 316
<i>Thermopsis californica semota</i>	velvety false lupine	y				SC/S		2	16	Landscape	p. 278
<i>Thermopsis macrophylla</i>	Santa Ynez false lupine				y	SC/S	CR	2	3.2	Site specific	p. 256
<i>Quercus dumosa</i>	Nuttall's scrub oak				y	SC/S		2	3	Landscape	p. 244
<i>Quercus engelmannii</i>	Engelmann oak	y		y				6		Landscape	p. 42
<i>Quercus lobata</i>	valley oak				y			6		Landscape	p. 41
<i>Gentiana fremontii</i>	moss gentian		y					6		Site specific	
<i>Swertia neglecta</i>	pine green-gentian		y	y	y	S		2	8	Landscape	p. 300
<i>Ribes canthariforme</i>	Moreno currant	y	p			SC/S		2	3.2	Site specific	p. 256
<i>Phacelia exilis</i>	Transverse Range phacelia		y					6	16	Landscape	p. 315
<i>Phacelia mohavensis</i>	Mojave phacelia		y					6	16	Landscape	p. 316
<i>Phacelia suaveolens keckii</i>	Santiago Peak phacelia	y				SC/S		2	3.2	Site specific	p. 255
<i>Juglans californica californica</i>	Southern Calif. black walnut		y	y	y			6		Landscape	p. 44
<i>Acanthomintha ilicifolia</i>	San Diego thorn-mint	y				FT	CE	1	9	Site specific	p. 256
<i>Lepechinia cardiophylla</i>	heart-leaved pitcher sage	y				S		2	3.2	Landscape	p. 253
<i>Lepechinia fragrans</i>	fragrant pitcher sage		p	y				6	3.2	Landscape	p. 253
<i>Lepechinia ganderi</i>	Gander's pitcher sage	y						6	16	Landscape	p. 253
<i>Monardella cinerea</i>	gray monardella		p	y				6	7	Landscape	p. 291
<i>Monardella hypoleuca lanata</i>	felt-leaved monardella	y				S		2	9	Landscape	p. 261
<i>Monardella linoides oblonga</i>	flax-like monardella				y	S		2	5	Site specific	p. 268
<i>Monardella macrantha hallii</i>	Hall's monardella	y	y	y		S		2	16	Landscape	p. 315
<i>Monardella nana leptosiphon</i>	San Felipe monardella	y	y			SC/S		2	5	Landscape	p. 268
<i>Monardella viridis saxicola</i>	rock monardella		y	y		S		2	3.2		p. 254
<i>Satureja chandleri</i>	San Miguel savory	y				S		2	16	Landscape	p. 316
<i>Scutellaria bolanderi austromontana</i>	southern skullcap	y	y			S		2	1	Landscape	p. 228
<i>Limnanthes gracilis parishii</i>	Parish's meadowfoam	y				SC/S	CE	1	13.1	Landscape	p. 282
<i>Eremalche parryi kernensis</i>	Kern mallow				p	FE		1	2	Min influence	p. 236
<i>Malacothamnus aboriginum</i>	Indian Valley bush mallow	y			p			6	3.2	Site specific	p. 253
<i>Malacothamnus davidsonii</i>	Davidson's bush mallow			y	p			6	3.1	Site specific	p. 246
<i>Malacothamnus palmeri lucianus</i>	Arroyo Seco bush mallow				y			6	3.2	Landscape	p. 254
<i>Sidalcea hickmanii anomala</i>	Cuesta Pass checkerbloom				y	SC/S	CR	2	12	Landscape	p. 311
<i>Sidalcea hickmanii hickmanii</i>	Hickman's checkerbloom				y	S		2	3.2	Landscape	p. 256
<i>Sidalcea hickmanii parishii</i>	Parish's checkerbloom		y	p	y	C/S	CR	2	5	Site specific	p. 270
<i>Sidalcea pedata</i>	bird-footed checkerbloom		y			FE	CE	1	13.1	Site specific	p. 284
<i>Abronia nana covillei</i>	Coville's dwarf abronia		y			S		2	8	Site specific	p. 300
<i>Clarkia delicata</i>	delicate clarkia	y				S		2	9	Landscape	p. 260
<i>Orobancha valida valida</i>	Rock Creek broomrape			y	y	SC/S		2	3.2	Site specific	p. 254
<i>Canbya candida</i>	pygmy poppy		p	y		S		2	8	Site specific	p. 293
<i>Eriastrum densifolium sanctorum</i>	Santa Ana River woollystar		h/p			FE	CE	1	1.1	Site specific	p. 231
<i>Eriastrum hooveri</i>	Hoover's eriastrum				y	FT		1	2	Landscape	p. 236
<i>Leptodactylon jaegeri</i>	San Jacinto prickly phlox		y					2	7	Site specific	p. 290
<i>Linanthus concinnus</i>	San Gabriel linanthus		p	y		SC/S		2	5	Site specific	p. 268
<i>Linanthus floribundus hallii</i>	Santa Rosa Mtns. linanthus		y			S		2	8	Landscape	p. 298
<i>Linanthus killipii</i>	Baldwin Lake linanthus		y			SC/S		2	11	Site specific	p. 274
<i>Linanthus orcuttii</i>	Orcutt's linanthus	y		p		SC/S		2	16	Landscape	p. 315
<i>Navarretia peninsularis</i>	Baja navarretia	p	y	p	y	S		2	13.1	Landscape	p. 283
<i>Phlox dolichantha</i>	Big Bear Valley phlox		y			SC/S		2	5	Landscape	p. 269
<i>Chorizanthe blakleyi</i>	Blakley's spineflower				y	S		2	3.2	Landscape	p. 251
<i>Chorizanthe breweri</i>	Brewer's spineflower				y	S		2	12	Site specific	p. 310
<i>Chorizanthe parryi parryi</i>	Parry's spineflower		p			SC/S		2	3	Min influence	p. 243
<i>Chorizanthe polygonoides longispina</i>	long-spined spineflower	y	y			SC/S		2	3.2	Landscape	p. 251
<i>Chorizanthe procumbens</i>	prostrate spineflower	y	p	p				6	9	Landscape	p. 260
<i>Chorizanthe rectispina</i>	straight-awned spineflower				y	SC/S		2	3	Landscape	p. 243
<i>Chorizanthe xanti leucotheca</i>	white-bracted spineflower		y					6	8	Landscape	p. 297

Scientific Name	Common Name	C N F <sup>1</sup>	SB N F	A N F	LP N F	Fed. <sup>2</sup>	CA <sup>3</sup>	Spp. Type	Hab. Grp.	Conservation Category	Page Num.
<i>Dodecahema leptoceras</i>	slender-horned spineflower	y	y			FE	CE	1	1.1	Site specific	p. 230
<i>Eriogonum butterworthianum</i>	Butterworth's buckwheat				y	SC/S	CR	2	3.2	Landscape	p. 253
<i>Eriogonum foliosum</i>	leafy buckwheat	p	h/p					6	8	Min influence	p. 298
<i>Eriogonum kennedyi alpigenum</i>	southern alpine buckwheat		y	p	y	S		2	7	Landscape	
<i>Eriogonum kennedyi austromontanum</i>	southern mountain buckwheat		y			FT		1	11	Site specific	p. 272
<i>Eriogonum microthecum corymbosoides</i>	San Bernardino buckwheat		y	p				6	10	Landscape	p. 303
<i>Eriogonum microthecum johnstonii</i>	Johnston's buckwheat		y	y		SC/S		2	7	Site specific	p. 289
<i>Eriogonum ovalifolium vineum</i>	Cushenbury buckwheat		y			FE		1	10	Site specific	p. 303
<i>Eriogonum umbellatum minus</i>	alpine sulfur-flowered buckwheat		y	y				6	7	Landscape	
<i>Oxytheca caryphylloides</i>	chickweed oxytheca		y	p	p			6	5	Landscape	p. 289
<i>Oxytheca emarginata</i>	white-margined oxytheca		y			S		2	3.2		p. 255
<i>Oxytheca parishii abramsii</i>	Abram's oxytheca				y	S		2	3.2	Landscape	p. 255
<i>Oxytheca parishii cienegensis</i>	Cienega Seca oxytheca		y			SC/S		2	5	Site specific	p. 269
<i>Oxytheca parishii goodmaniana</i>	Cushenbury oxytheca		y			FE		1	10	Site specific	p. 305
<i>Claytonia lanceolata peirsonii</i>	Peirson's spring beauty		y	y		SC/S		2	7	Site specific	p. 287
<i>Lewisia brachycalyx</i>	short-sepaled lewisia	p	y					6	13.1		
<i>Androsace elongata acuta</i>	California androsace	y	y		y			6	16	Landscape	p. 312
<i>Delphinium hesperium cuyamacae</i>	Cuyamaca larkspur	y	y			SC/S	CR	2	13.1	Landscape	p. 281
<i>Delphinium hutchinsonae</i>	Hutchinson's larkspur				y	SC/S		2	6	Site specific	p. 308
<i>Delphinium inopinum</i>	unexpected larkspur				y	S		2	8	Landscape	p. 297
<i>Delphinium parryi purpureum</i>	Mt. Pinos larkspur				y			6			
<i>Ceanothus cyaneus</i>	Lakeside ceanothus	y				SC/S		2	3.2	Landscape	p. 250
<i>Ceanothus ophiochilus</i>	Vail Lake ceanothus	y				FT	CE	1	3.2	Site specific	p. 251
<i>Horkelia truncata</i>	Ramona horkelia	y				S		2	9	Landscape	p. 261
<i>Horkelia wilderae</i>	Barton Flats horkelia		y			SC/S		2	5	Site specific	p. 267
<i>Horkelia yadonii</i>	Santa Lucia horkelia				y			6	13	Landscape	p. 276
<i>Ivesia argyrocoma</i>	silver-haired ivesia		y			SC/S		2	11	Site specific	p. 273
<i>Ivesia callida</i>	Tahquitz ivesia		y			SC/S	CR	2	5	Landscape	p. 267
<i>Potentilla rimicola</i>	cliff cinquefoil		y			S		2	7	Site specific	p. 291
<i>Galium angustifolium gabrielse</i>	Borrego bedstraw		p	y				6	16	Landscape	p. 314
<i>Galium angustifolium jacinticum</i>	San Jacinto Mtns. bedstraw		y			S		2	5	Site specific	p. 263
<i>Galium californicum lucienne</i>	Cone Peak bedstraw				y	SC/S		2	6	Site specific	p. 308
<i>Galium californicum primum</i>	California bedstraw		y			SC/S		2	5	Site specific	p. 263
<i>Galium grande</i>	San Gabriel bedstraw			y		SC/S		2	16	Site specific	p. 314
<i>Galium hardhamiae</i>	Hardham's bedstraw				y	S		2	12	Landscape	p. 311
<i>Galium jepsonii</i>	Jepson's bedstraw		p	y				6	5	Landscape	p. 263
<i>Galium johnstonii</i>	Johnston's bedstraw	p	y	y				6	5	Landscape	p. 266
<i>Populus tremuloides</i>	quaking aspen		y					6		Landscape	p. 59
<i>Boykinia rotundifolia</i>	round-leaved boykinia	p	y	y	h/p			6	1	Landscape	p. 226
<i>Heuchera abramsii</i>	Abrams's alumroot		p	y				6	7	Landscape	p. 289
<i>Heuchera brevistaminea</i>	Mt. Laguna alumroot	y						6	8	Landscape	p. 298
<i>Heuchera elegans</i>	urn-flowered alumroot		p	y				6	5	Landscape	p. 266
<i>Heuchera hirsutissima</i>	shaggy-haired alumroot		p			S		2	7	Min influence	p. 289
<i>Heuchera parishii</i>	Parish's alumroot		y			S		2	5	Landscape	p. 267
<i>Heuchera rubescens versicolor</i>	San Diego County alumroot	y						6	3.2	Landscape	p. 253
<i>Castilleja cinerea</i>	ash-gray Indian paintbrush		y			FT		1	11	Site specific	p. 272
<i>Castilleja gleasonii</i>	Mt. Gleason Indian paintbrush			y		SC/S	CR	2	5	Site specific	p. 262
<i>Castilleja lasiorhyncha</i>	San Bern. Mtns. owl's-clover	p	y			SC/S		2	13	Landscape	p. 276
<i>Castilleja montigena</i>	Heckard's Indian paintbrush		y					6	5	Landscape	p. 263
<i>Castilleja plagiotoma</i>	Mojave Indian paintbrush		y	y	p			6	8	Landscape	p. 293
<i>Cordylanthus eremicus eremicus</i>	desert bird's-beak		p					6	8	Min influence	p. 297
<i>Mimulus clelandii</i>	Cleveland's bush monkeyflower	y						6	5	Landscape	
<i>Mimulus exiguus</i>	San Bern. Mtns. monkeyflower		y			SC/S		2	13	Site specific	p. 277
<i>Mimulus purpureus</i>	purple monkeyflower		y			SC/S		2	13	Landscape	p. 278
<i>Pedicularis dudleyi</i>	Dudley's lousewort				y	SC/S	CR	2	1.1	Site specific	p. 233
<i>Penstemon californicus</i>	California beardtongue	p	y			S		2	8	Site specific	p. 255
<i>Fremontodendron mexicanum</i>	Mexican flannelbush	p				FE	CR	1	9	Min influence	p. 260
<i>Viola aurea</i>	golden violet		y	p	p			6	8	Min influence	p. 300
<i>Viola pinetorum grisea</i>	grey-leaved violet		h/p			S		2	7	Min influence	p. 291
<i>Carex obispoensis</i>	San Luis Obispo sedge				y	S		2	12	Site specific	p. 309
<i>Juncus duranii</i>	Duran's rush		y					6	13.1	Landscape	p. 282
<i>Allium munzii</i>	Munz's onion	y				FE	CT	1	3	Site specific	p. 239

Scientific Name	Common Name	C N F	SB N F	A N F	LP N F	Fed. <sup>2</sup>	CA <sup>3</sup>	Spp. Type	Hab. Grp.	Conservation Category	Page Num.
<i>Allium parishii</i>	Parish's onion		y					6	10	Landscape	p. 302
<i>Brodiaea filifolia</i>	thread-leaved brodiaea	y	p	p		FT	CE	1	9	Site specific	p. 258
<i>Brodiaea orcuttii</i>	Orcutt's brodiaea	y				SC/S		2	9	Landscape	p. 260
<i>Calochortus clavatus gracilis</i>	slender mariposa lily			y				6	3.2	Landscape	p. 250
<i>Calochortus dunnii</i>	Dunn's mariposa lily	y				SC/S	CR	1	9	Landscape	p. 260
<i>Calochortus obispoensis</i>	San Luis mariposa lily				y	S		2	12	Landscape	p. 308
<i>Calochortus palmeri munzii</i>	Munz's mariposa lily		y			SC/S		2	13	Site specific	p. 274
<i>Calochortus palmeri palmeri</i>	Palmer's mariposa lily		y	y	y	SC/S		2	13	Site specific	p. 274
<i>Calochortus plummerae</i>	Plummer's mariposa lily		y	y	p	SC/S		2	3.2	Site specific	p. 250
<i>Calochortus striatus</i>	alkali mariposa lily		y	p		SC/S		2	13	Landscape	p. 274
<i>Calochortus weedii intermedius</i>	intermediate mariposa lily	y				SC/S		2		Landscape	
<i>Calochortus weedii vestus</i>	late-flowered mariposa lily				y	SC/S		2	3.2	Landscape	p. 250
<i>Chlorogalum pomeridianum minus</i>	dwarf soaproot				y			6	12	Site specific	p. 310
<i>Chlorogalum purpureum reductum</i>	Camatta Canyon amole				y	PT	CR	1	2	Site specific	p. 234
<i>Fritillaria falcata</i>	talus fritillary				y	SC/S		2	12	Site specific	p. 311
<i>Fritillaria ojaiensis</i>	Ojai fritillary				y	SC/S		2	16	Landscape	
<i>Fritillaria viridea</i>	San Benito fritillary				y	SC/S		2	12	Landscape	p. 311
<i>Lilium humboldtii ocellatum</i>	ocellated Humboldt lily	y	y	y	y			6	1	Landscape	p. 227
<i>Lilium parryi</i>	lemon lily	y	y	y		SC/S		2	13.1	Site specific	p. 282
<i>Muilla coronata</i>	crowned muilla		y					6	8	Landscape	p. 299
<i>Nolina cismontana</i>	chaparral beargrass	y				S		2	3	Landscape	p. 338
<i>Nolina interrata</i>	Dehesa nolina	p					CE	1	9	Min influence	p. 261
<i>Malaxis monophyllos brachypoda</i>	adder's-mouth		y	p		S		2	13.1	Site specific	p. 282
<i>Piperia leptopetala</i>			y					6	5	Landscape	p. 269
<i>Muhlenbergia californica</i>	California muhly		y	y				6	1	Landscape	p. 228
<i>Poa atropurpurea</i>	San Bernardino blue grass	y	y			FE		1	13.1	Site specific	p. 283

## Appendix B: Common and Scientific Names

Common names and scientific names of other (nonemphasis) species mentioned in text.

Common Name	Scientific Name
Alvord oak .....	<i>Quercus alvordiana</i>
arroyo willow .....	<i>Salix lasiolepis</i>
basin sagebrush .....	<i>Artemisia tridentata</i>
beavertail cacti .....	<i>Opuntia basilaris</i>
bedstraw .....	<i>Galium angustifolium</i> ssp. <i>angustifolium</i>
big cone Douglas fir .....	<i>Pseudotsuga macrocarpa</i>
big sagebrush .....	<i>Artemis tridentata</i>
birch-leaf mountain-mahogany .....	<i>Cercocarpus betuloides</i> var. <i>betuloides</i>
black bush .....	<i>Coleogyne ramosissima</i>
black oak .....	<i>Quercus kelloggii</i>
blue oak .....	<i>Quercus douglasii</i>
broad cottonwood .....	<i>Populus</i> spp.
brown-headed cowbird .....	<i>Molothrus ater</i>
buck brush .....	<i>Ceanothus cuneatus</i> var. <i>cuneatus</i>
bullfrog .....	<i>Rana catesbeiana</i>
cactus .....	<i>Cactaceae</i>
California bay .....	<i>Umbellularia californica</i>
California buckwheat .....	<i>Eriogonum fasciculatum</i>
California juniper .....	<i>Juniperus californicus</i>
California newt .....	<i>Taricha torosa</i>
California sagebrush .....	<i>Artemisia californica</i>
California western sycamore .....	<i>Plantanus racemosa</i>
canyon live oak .....	<i>Quercus chrysolepis</i>
cattails .....	<i>Typhaceae</i>
chamise .....	<i>Adenostoma fasciculatum</i>
cheat grass .....	<i>Bromus tectorum</i>
coast live oak .....	<i>Quercus agrifolia</i>
coast redwood .....	<i>Sequoia sempervirens</i>
Coulter pine .....	<i>Pinus coulteri</i>
creosote bush scrub .....	<i>Larrea</i>
cupleaf ceanothus .....	<i>Ceanothus greggii</i> var. <i>perplexans</i>
curl leaf mountain mahogany .....	<i>Cercocarpus ledifolius</i>
dandelion .....	<i>Taraxacum officinale</i>
desert scrub .....	<i>Salvia eremostachya</i>
digger pine .....	<i>Pinus sabiniana</i>
European starling .....	<i>Sturnus vulgaris</i>
Fremont cottonwood .....	<i>Populus fremontii</i> ssp. <i>fremontii</i>
French broom .....	<i>Genista monspessulana</i>
fritillaria .....	<i>Fritillaria pinetorum</i>
giant cane .....	<i>Arundo donax</i>
gray/foothill pine .....	<i>Pinus sabiniana</i>
hairgrass .....	<i>Deschampsia danthoides</i>
incense cedar .....	<i>Calocedrus decurrens</i>
Indian paintbrush .....	<i>Castilleja Martinii</i> ; <i>C. pruinosa</i>
interior live oak .....	<i>Quercus wislizenii</i>
Jeffrey pine .....	<i>Pinus jeffreyi</i>
Joshua tree .....	<i>Yucca brevifolia</i>
juniper .....	<i>Juniperus</i> spp.

<b>Common Name</b>	<b>Scientific Name</b>
knobcone pine .....	<i>Pinus attenuata</i>
leather oak .....	<i>Quercus durata</i>
limber pine .....	<i>Pinus flexilis</i>
lodgepole pine.....	<i>Pinus contorta</i> ssp. <i>murrayana</i>
lousewort .....	<i>Pedicularis semibarbata</i>
manzanita .....	<i>Arctosaphylos</i> ssp. <i>parryana</i>
mondardella .....	<i>Mondardella nan</i> ssp. <i>tenuiflora</i>
monkey flower .....	<i>Mimulus aurantiacus</i>
Muir's hairstreak butterfly .....	<i>Mitoura muiri</i>
mule fat scrub .....	<i>Baccharis salicifolia</i>
Muller's oak .....	<i>Qodurata mulleri</i>
native mustards .....	<i>Bassica</i>
Nevin's barberry .....	<i>Berberis nevinii</i>
oat grass .....	<i>Avena</i> spp.
onion, garlic.....	<i>Allium burewii</i>
Pacific madrone .....	<i>Arbutus menziesii</i>
pinyon pine .....	<i>Pinus monophylla</i>
plantain .....	<i>plantago erecta</i> ; <i>plantago ovata</i>
ponderosa pine.....	<i>Pinus ponderosa</i>
prickly phlox .....	<i>Leptodactylor Californicum</i>
red fir.....	<i>Abies magnifica</i>
red shank .....	<i>Adenostoma sparsifolium</i>
red-eared slider.....	<i>Trachemys scripta elegans</i>
redwood.....	<i>Sequoia sempervirens</i>
rock cress .....	<i>Arabis johnstonii</i>
rushes.....	<i>Juncaeae</i>
sage .....	<i>Salvia</i> spp.
San Diego bedstraw .....	<i>Galium natallii</i>
scrub oak .....	<i>Quercus berberidifolia</i>
sedges.....	<i>Carex</i> spp.
shore pine .....	<i>Pinus contorta</i>
straw .....	<i>Keckiella antirrinoides</i>
sugar pine .....	<i>Pinus lambertiana</i>
sulfer flower .....	<i>Eriogonum umbellatum</i>
sunflower .....	<i>Helianthus</i> spp.
sycamore .....	<i>Platanacus racemosa</i>
tamarisk .....	<i>Tamarix</i> spp.
tan oak.....	<i>Lithocarpus densiflorus</i>
Tidy tips .....	<i>Lavia platyglossa</i>
toyon .....	<i>Heteromeles arbutifolia</i>
Tucker oak .....	<i>Quercus john-tuckeri</i>
western juniper .....	<i>Juniperus occidentalis</i> var. <i>occidentalis</i>
white alder .....	<i>Alnus rhombifolia</i>
white fir .....	<i>Abies concolor</i>
white sage .....	<i>Salvia apiana</i>
white thorn .....	<i>Ceanthus leucodermis</i>
wild buckwheat .....	<i>Eriogonum</i> ; <i>E. wrightii</i>
willow .....	<i>Salix</i> spp.
wood rat .....	<i>Neotoma</i> spp.
woodland star .....	<i>Lithophragma tenellum</i>
wooly Indian paintbrush .....	<i>Castilleja foliosa</i>
yellow pine.....	<i>Pinus lambertiana</i>

## **Appendix C: Watersheds and Associated Streams**

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**Data on analysis watersheds and their associated streams:** The major streams along the central and southern California coast organized by primary and analysis watersheds, with information on stream miles by elevation, amount of public land in the watershed, roadedness, and occurrences of native aquatic species and problem non-native species. Watersheds and tributaries are listed hierarchically and roughly in the order they occur from north to south. Figures begin on page 394.

### **Codes for column headings and table values:**

y = present in last 5 years

y\* = a highly significant or large population (based on existing info.)

y' = hybrids present

h = historically occurred

p = potentially occurs

n = absent in repeated surveys

E = recently extirpated

### **Aquatic Species:**

#### **Herps**

CRLF = California red-legged frog

MYLF = mountain yellow-legged frog

ARTO = arroyo toad

SWPT = western pond turtle

#### **Fish**

SASU = Santa Ana sucker

UTST = unarmored threespine stickleback

SOST = southern steelhead

### **Non-Native Species:**

MF = mosquitofish

WF = warmwater fish (sunfish, bass, bluegill, catfish, carp, goldfish)

BUFR = bullfrogs

ACFR = African clawed frogs

CF = crayfish

AR = arundo

TK = tamarisk















<b>SAN JUAN CREEK</b>												
San Juan Creek	17.9 (37%)	61.8 (13%)		48%	59%	yes	natural	h	y			
Bell Canyon	7.3 (100%)	5.9 (75%)		32%	75%	yes	natural	h	y			
Trabuco Creek	14.3 (47%)	7.1 (64%)				yes	natural	h	y			
<b>SAN MATEO CREEK</b>												
San Mateo Creek	15.0 (100)	7.8 (99%)		69%	47%		natural	h	y*			
Devil's Canyon	2.3 (100%)	5.1 (90%)					natural	h	y			
Christianitos/Talega Cks	6.2 (42%)	4.9 (77%)					natural	h	y			
Tenaja Creek	10.1 (100)	3.6 (100)					natural	h	y*			
San Onofre Creek	28.3 (77%)	1.4 (54%)		43%	77%	partial	altered	h	y*			
<b>SANTA MARGARITA RIVER</b>												
Santa Margarita River	12.1 (40%)	2.2 (17%)				partial	natural	h	y			
De Luz Creek	4.0 (100%)	2.8 (56%)		6%	77%	yes	natural	h	y			
Roblar Creek	2.3 (0%)	9.2 (0%)		15%	67%	yes	altered	h	p			
Murrieta Creek	0.8 (0%)	11.2 (0%)		55%	49%	yes	altered	h	y*			
Lower Temecula Ck (below Vail L)		21.2 (3%)	4.5 (33%)				natural		y			
Upper Temecula Ck (above Vail L)		10.3 (34%)	1.5 (100%)				natural		y			
Arroyo Seco Creek												
<b>SAN LUIS REY RIVER</b>												
L San Luis Rey (below Couser C)	21.3 (0%)	4.9 (12%)		10%	90%	yes	altered	h	y			
M San Luis Rey (Wohl. Div. to Couser)	16.1 (0%)	3.3 (39%)	2.3 (0%)	14%	63%	yes	altered	h	y			
Pauma Creek	1.7 (0%)	4.2 (18%)				no	natural	h	h			
Pala Creek	4.6 (1%)	10.8 (17%)		34%	53%	partial	natural	h	y			
U San Luis Rey (Henshaw to Wohl.D)		9.4 (1%)	6.4 (100%)			yes	regulated		y*			
Hdw, San Luis Rey (above Henshaw)		4.3 (1%)	5.4 (90%)			no	natural	h	y			
West Fork, San Luis Rey		6.5 (1%)	6.4 (100%)				natural	h	y			
North Fork, San Luis Rey		7.7 (0%)	9.3 (63%)				altered	h	y			
Agua Caliente Creek		0.3 (0%)	10.0 (0%)				natural		y			
San Ysidro Creek												
<b>SAN DIEGUITO RIVER</b>												
San Dieguito River (below Hodges Res)	18.5 (0%)	7.6 (55%)		2%	84%	yes	regulated	h	p			
L Santa Ysabel (Sutherland to Hodges)	13.1 (18%)	9.8 (33%)	0.1 (0%)	21%	68%	yes	regulated	h	y			
Temescal Creek		10.6 (1%)	0.7 (0%)			partial	natural	h	y*			
Guejito Creek	2.3 (0%)	8.7 (0%)	8.0 (0%)	2%	58%	partial	natural	h	y*			
Up Santa Ysabel (above Sutherland Res)												
<b>SAN DIEGO RIVER</b>												
Lower San Diego (below El Cap. Dam)	31.8 (15%)	8.5 (92%)	2.1 (28%)	19%	85%	yes	regulated	h	p			
San Vicente Ck	5.1 (0%)	6.3 (95%)	5.6 (7%)	42%	56%	no	altered	h	y			
Upper San Diego (above El Cap. Dam)	10.8 (13%)	0.4 (0%)	6.5 (81%)			no	natural	h	y			
Cedar Creek	0.4 (0%)	0.4 (60%)				no	regulated	h	y			
Boulder Creek												

