

APPENDIX D
Species Matrices

Sensitive Species Impacts Matrix

Sensitive Species Impacts Matrix

Species <i>Scientific Name</i> Common Name	San Diego fairy shrimp <i>Branchinecta sandiegoensis</i>	Monarch butterfly <i>Danaus plexippus</i>	Quino checkerspot <i>Euphydryas editha quino</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	No	No	No
Species impacted directly by habitat loss? (Yes/No)	No	No	No
Habitat loss substantial? (Yes/No)	No	No	No
Species impacted directly on adjacent lands by edge effects? (Yes/No)	No	No	No
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	No	No	No
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	No	No	No
Mitigation	No	No	No

Species <i>Scientific Name</i> Common Name	San Emigdio blue <i>Plebulina emigdionis</i>	Riverside fairy shrimp <i>Streptocephalus wootoni</i>	Santa Ana sucker <i>Catostomus santaanae</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	No	No	Yes
Species impacted directly by habitat loss? (Yes/No)	No	No	Yes
Habitat loss substantial? (Yes/No)	No	No	No
Species impacted directly on adjacent lands by edge effects? (Yes/No)	No	No	Yes
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	No	No	Yes
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	No	No	Yes
Mitigation	No	No	Yes

Species <i>Scientific Name</i> Common Name	Unarmored three-spine stickleback <i>Gasterosteus aculeatus williamsoni</i>	Arroyo chub <i>Gila orcutti</i>	Steelhead trout <i>Oncorhynchus mykiss</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes	Yes	No
Species impacted directly by habitat loss? (Yes/No)	Yes	Yes	No
Habitat loss substantial? (Yes/No)	No	No	No
Species impacted directly on adjacent lands by edge effects? (Yes/No)	Yes	Yes	No
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	Yes	Yes	No
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	Yes	Yes	No
Mitigation	Yes	Yes	No

Species <i>Scientific Name</i> Common Name	Arroyo toad <i>Bufo californicus</i>	California red-legged frog <i>Rana draytonii</i>	Western spadefoot <i>Spea hammondi</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes	No	Yes
Species impacted directly by habitat loss? (Yes/No)	Yes	No	Yes
Habitat loss substantial? (Yes/No)	No	No	No
Species impacted directly on adjacent lands by edge effects? (Yes/No)	Yes	No	Yes
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	No	No	No
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	Yes	No	Yes
Mitigation	Yes	No	Yes

Species Common Name Scientific Name	Silvery legless lizard <i>Anniella pulchra pulchra</i>	Coastal western whiptail <i>Aspidoscelis tigris stejnegeri</i>	Rosy boa <i>Charina trivirgata</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes	Yes	Yes
Species impacted directly by habitat loss? (Yes/No)	Yes	Yes	Yes
Habitat loss substantial? (Yes/No)	Yes	Yes	Yes
Species impacted directly on adjacent lands by edge effects? (Yes/No)	No	No	No
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	Yes	Yes	Yes
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	Yes	Yes	Yes
Mitigation	Yes	Yes	Yes

Species Common Name Scientific Name	Southwestern pond turtle <i>Clemmys marmorata pallida</i>	San Bernardino ringneck snake <i>Diadophis punctatus modestus</i>	Coast horned lizard <i>Phrynosoma coronatum</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes	Yes	Yes
Species impacted directly by habitat loss? (Yes/No)	Yes	Yes	Yes
Habitat loss substantial? (Yes/No)	No	Yes	Yes
Species impacted directly on adjacent lands by edge effects? (Yes/No)	Yes	No	No
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	No	Yes	Yes
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	Yes	Yes	Yes
Mitigation	Yes	Yes	Yes

Species Common Name Scientific Name	Coast patch-nosed snake <i>Salvadora hexalepis virgultea</i>	Two-striped garter snake <i>Thamnophis hammondi</i>	Cooper's hawk <i>Accipiter cooperii</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes	Yes	Yes
Species impacted directly by habitat loss? (Yes/No)	Yes	Yes	Yes
Habitat loss substantial? (Yes/No)	Yes	No	No
Species impacted directly on adjacent lands by edge effects? (Yes/No)	No	Yes	Yes
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	Yes	No	No
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	Yes	Yes	Yes
Mitigation	Yes	Yes	Yes

Species Common Name Scientific Name	Sharp-shinned hawk <i>Accipiter striatus</i>	Tricolored blackbird <i>Agelaius tricolor</i>	Southern California rufous-crowned sparrow <i>Aimophila ruficeps canescens</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	No (i.e., nesting habitat)	Yes	Yes
Species impacted directly by habitat loss? (Yes/No)	No	Yes	Yes
Habitat loss substantial? (Yes/No)	No	No	Yes
Species impacted directly on adjacent lands by edge effects? (Yes/No)	No	Yes	No
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	No	No	Yes
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	No	Yes	Yes
Mitigation	No	Yes	Yes

Species Common Name Scientific Name	Bell's sage sparrow <i>Amphispiza belli belli</i>	Great egret <i>Ardea alba</i>	Great blue heron <i>Ardea herodias</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes	No (i.e. rookery)	No (i.e. rookery)
Species impacted directly by habitat loss? (Yes/No)	Yes	No	No
Habitat loss substantial? (Yes/No)	Yes	No	No
Species impacted directly on adjacent lands by edge effects? (Yes/No)	No	No	No
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	Yes	No	No
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	Yes	No	No
Mitigation	Yes	No	No

Species Common Name Scientific Name	Long-eared owl <i>Asio otus</i>	Western burrowing owl <i>Athene cunicularia</i>	Ferruginous hawk <i>Buteo regalis</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes	Yes	No (i.e. nesting)
Species impacted directly by habitat loss? (Yes/No)	Yes	Yes	No
Habitat loss substantial? (Yes/No)	No	Yes	No
Species impacted directly on adjacent lands by edge effects? (Yes/No)	Yes	No	No
Potential to eliminate species on site? (Yes/No)	No	Yes	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	No	No	No
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	Yes	Yes	No
Mitigation	Yes	Yes	No

Species Common Name Scientific Name	Lawrence's goldfinch <i>Carduelis lawrencei</i>	Northern harrier <i>Circus cyaneus</i>	Western yellow-billed cuckoo <i>Coccyzus americanus occidentalis</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes	Yes	Yes
Species impacted directly by habitat loss? (Yes/No)	Yes	Yes	Yes
Habitat loss substantial? (Yes/No)	No	Yes	No
Species impacted directly on adjacent lands by edge effects? (Yes/No)	Yes	No	Yes
Potential to eliminate species on site? (Yes/No)	No	Yes	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	No	No	No
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	Yes	Yes	Yes
Mitigation	Yes	Yes	Yes

Species Common Name Scientific Name	Yellow warbler <i>Dendroica petechia brewsteri</i>	White-tailed kite <i>Elanus leucurus</i>	Southwestern willow flycatcher <i>Empidonax traillii extimus</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes	Yes	Yes
Species impacted directly by habitat loss? (Yes/No)	Yes	Yes	Yes
Habitat loss substantial? (Yes/No)	No	Yes	No
Species impacted directly on adjacent lands by edge effects? (Yes/No)	Yes	Yes	Yes
Potential to eliminate species on site? (Yes/No)	No	Yes	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	No	No	No
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	Yes	Yes	Yes
Mitigation	Yes	Yes	Yes

Species Common Name Scientific Name	California horned lark <i>Eremophila alpestris actia</i>	Merlin <i>Falco columbarius</i>	Prairie falcon <i>Falco mexicanus</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes	No (i.e., nesting)	No (i.e., nesting)
Species impacted directly by habitat loss? (Yes/No)	Yes	No	No
Habitat loss substantial? (Yes/No)	Yes	No	No
Species impacted directly on adjacent lands by edge effects? (Yes/No)	Yes	No	No
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	Yes	No	No
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	Yes	No	No
Mitigation	Yes	No	No

Species Common Name Scientific Name	Yellow-breasted chat <i>Icteria virens</i>	Least bittern <i>Ixobrychus exilis</i>	Loggerhead shrike <i>Lanius ludovicianus</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes	No (i.e., nesting)	Yes
Species impacted directly by habitat loss? (Yes/No)	Yes	No	Yes
Habitat loss substantial? (Yes/No)	No	No	Yes
Species impacted directly on adjacent lands by edge effects? (Yes/No)	Yes	No	No
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	No	No	No
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	Yes	No	Yes
Mitigation	Yes	No	Yes

Species Common Name Scientific Name	Summer tanager <i>Piranga rubra</i>	Coastal California gnatcatcher <i>Polioptila californica californica</i>	Bank swallow <i>Riparia riparia</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes	No	No (i.e., nesting habitat)
Species impacted directly by habitat loss? (Yes/No)	Yes	No	No
Habitat loss substantial? (Yes/No)	No	No	No
Species impacted directly on adjacent lands by edge effects? (Yes/No)	Yes	No	No
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	No	No	No
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	Yes	No	No
Mitigation	Yes	No	No

Species Common Name Scientific Name	Least bell's vireo <i>Vireo bellii pusillus</i>	Pallid bat <i>Antrozous pallidus</i>	Pale big-eared bat <i>Corynorhinus townsendii pallescens</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes	Yes (i.e., foraging)	Yes
Species impacted directly by habitat loss? (Yes/No)	Yes	No	Yes
Habitat loss substantial? (Yes/No)	No	No	No
Species impacted directly on adjacent lands by edge effects? (Yes/No)	Yes	No	Yes
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	No	No	No
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	Yes	No	Yes
Mitigation	Yes	No	Yes

Species Common Name Scientific Name	Spotted bat <i>Euderma maculata</i>	Western mastiff bat <i>Eumops perotis californicus</i>	Mountain lion <i>Felis concolor</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	No	Yes	Yes
Species impacted directly by habitat loss? (Yes/No)	No	Yes	Yes
Habitat loss substantial? (Yes/No)	No	No	Yes
Species impacted directly on adjacent lands by edge effects? (Yes/No)	No	Yes	No
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	No	No	No
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	No	Yes	Yes
Mitigation	No	Yes	No

Species Common Name Scientific Name	San Diego black-tailed jackrabbit <i>Lepus californicus bennettii</i>	Fringed myotis <i>Myotis thysanodes</i>	Yuma myotis <i>Myotis yumanensis</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes	Yes	Yes
Species impacted directly by habitat loss? (Yes/No)	Yes	Yes	Yes
Habitat loss substantial? (Yes/No)	Yes	No	No
Species impacted directly on adjacent lands by edge effects? (Yes/No)	No	Yes	Yes
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	No	No	No
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	Yes	Yes	Yes
Mitigation	Yes	Yes	Yes

Species Common Name Scientific Name	San Diego desert woodrat <i>Neotoma lepida intermedia</i>	Southern grasshopper mouse <i>Onychomys torridus ramona</i>	Los Angeles pocket mouse <i>Perognathus longimembris brevinasus</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes	No	No
Species impacted directly by habitat loss? (Yes/No)	Yes	No	No
Habitat loss substantial? (Yes/No)	Yes	No	No
Species impacted directly on adjacent lands by edge effects? (Yes/No)	No	No	No
Potential to eliminate species on site? (Yes/No)	No	No	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No	No	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	Yes	No	No
Potential restriction of range of rare or endangered species? (Yes/No)	No	No	No
Impacts significant? (Yes/No)	Yes	No	No
Mitigation	Yes	No	No

Species Common Name <i>Scientific Name</i>	American badger <i>Taxidea taxus</i>
Habitat present and species is reasonably expected to occur on-site? (Yes/No)	Yes
Species impacted directly by habitat loss? (Yes/No)	Yes
Habitat loss substantial? (Yes/No)	Yes
Species impacted directly on adjacent lands by edge effects? (Yes/No)	No
Potential to eliminate species on site? (Yes/No)	No
Potential to reduce population size below self-sustaining levels? (Yes/No)	No
Potential for substantial reduction in numbers of individuals? (Yes/No)	No
Potential restriction of range of rare or endangered species? (Yes/No)	No
Impacts significant? (Yes/No)	Yes
Mitigation	Yes

Wildlife Matrix

Wildlife Species Observed on the Newhall Ranch or Occurring in the Region

Scientific Name	Common Name	Habitat	Wi	Sp	Su	Au
BIRDS						
PODICIPEDIDAE	GREBES					
<i>Podilymbus podiceps</i>	Pied-billed Grebe	Aq	C	C	U?	C
ARDEIDAE	HERONS and EGRETS					
<i>Ixobrychus exilis hesperis</i>	Least Bittern	Aq,Gr/OS,RW	U	U	U	U
<i>Ardea herodias herodias</i>	Great Blue Heron	Aq,Gr/OS,RW	C	C	C*	C
<i>Casmerodius albus</i>	Great Egret	Aq,Gr/OS,RW	U	U	R	U
<i>Egretta thula thula</i>	Snowy Egret	Aq,Gr/OS,RW	U	U	R	U
<i>Bubulcus ibis</i>	Cattle Egret	Gr/OS	R	R		R
<i>Butorides virescens</i>	Green Heron	Aq,OR,RW	U	U	U	U
<i>Nycticorax nycticorax hoactli</i>	Black-crowned Night-heron	Aq,OR,RW	C	C	C	C
ANATIDAE	GEESE and DUCKS					
<i>Dendrocygna bicolor</i>	Fulvous Whistling-duck	Aq/RW	U	U		
<i>Anas crecca</i>	Green-winged Teal	Aq,RW	C	C	R	C
<i>Anas cyanoptera</i>	Cinnamon Teal	Aq,RW	C	C	U	C
<i>Anas platyrhynchos platyrhynchos</i>	Mallard	Aq,RW	C	C	C?	C
<i>Anas americana</i>	American Wigeon	Aq,RW	C	C	Ca	C
<i>Oxyura jamaicensis</i>	Ruddy Duck	Aq,RW	C	C	U	C
CATHARTIDAE	VULTURES					

KEY:

Bold type indicates that the species has been observed on or adjacent to the Landmark Village project site.

* Indicates non-native species.

Seasonal occurrence, known or expected breeding status and abundance:

Sp = Spring migrant (March 1 - May 31) in the project region

Su = Summer resident (June 1 - July 31) occurs only as a spring-summer breeder; migrates out of the region for the winter

Wi = Winter visitor (August 31 - February 28) occurs only as a winter visitor and is not known to breed in the project region

Au = Fall migrant (August 1 - November 30). The species occurs within the given habitat types as a fall migrant

* = Known breeding (known or expected to breed) in the project region

? = Breeding status uncertain; the species may nest in the project region where suitable habitat exists.

A = Abundant: nearly always encountered, generally in moderate to large numbers in the habitat(s) indicated

C = Common: usually found in the habitat(s) indicated during the indicated season, but usually not in large numbers

U = Uncommon: occurs in small numbers, and is not always observed in the indicated habitat

R = Rare: may occur in the indicated habitat, but only in very small numbers

Ca = Casual: not of regular occurrence, although the project region is within the range of the species.

Habitat(s) typically used by the species:

Aq= Aquatic habitats: open water, stream and marsh

DR = Disturbed/ruderal: roadsides, agricultural fields, disked/weed-abated areas

Gr/OS = Grassland/oak savannah

OR = Open riverbed and bank

RW = Riparian woodland: cottonwood/willow forest & woodland, willow thicket and mule fat scrub

Sc = Scrub habitats: coastal sage scrub to low chaparral.

Scientific Name	Common Name	Habitat	Wi	Sp	Su	Au
BIRDS						
<i>Cathartes aura</i>	Turkey Vulture	RW,Gr/OS,Sc	C	C	C?	U
ACCIPITRIDAE	HAWKS, KITES, and EAGLES					
<i>Elanus leucurus</i>	White-tailed Kite	RW,Gr/OS,OR, Sc	U	U	U?	U
<i>Circus cyaneus</i>	Northern Harrier	RW,Gr/OS,OR	U	U	R?	U
<i>Accipiter striatus</i>	Sharp-shinned Hawk	RW,Gr/OS,Sc	U	U		U
<i>Accipiter cooperii</i>	Cooper's Hawk	RW,Gr/OS,Sc	U	U	R*	U
<i>Buteo lineatus elegans</i>	Red-shouldered Hawk	RW,Gr/OS,Sc,OR	U	U	U?	U
<i>Buteo jamaicensis</i>	Red-tailed Hawk	RW,GR/OS,Sc	U	U	U?	U
<i>Buteo swainsoni</i>	Swainson's Hawk	RW,Gr/OS,OR		Ca		Ca
ACCIPITRIDAE (cont.)	HAWKS and EAGLES					
<i>Buteo regalis</i>	Ferruginous Hawk	Gr/OS	R		R	
<i>Aquila chrysaetos</i>	Golden Eagle	Gr/OS,Sc	R	R	U	R
<i>Falco sparverius</i>	American Kestrel	RW,Gr/OS,OR,Sc	C	C	C*	C
<i>Falco columbarius</i>	Merlin	Gr/OS,OR,Sc	U			U
<i>Falco mexicanus</i>	Prairie Falcon	Gr/OS,OR,Sc	R	R	R?	R
<i>Falco peregrinus anatum</i>	American Peregrine Falcon	Gr/OS,OR	R	R	R	R
PHASIANIDAE	QUAIL					
<i>Callipepla californica</i>	California Quail	RW,Gr/OS,Sc	C	C	C*	C
RALLIDAE	RAILS and COOTS					

KEY:

Bold type indicates that the species has been observed on or adjacent to the Landmark Village project site.

* Indicates non-native species.

Seasonal occurrence, known or expected breeding status and abundance:

Sp = Spring migrant (March 1 - May 31) in the project region

Su = Summer resident (June 1 - July 31) occurs only as a spring-summer breeder; migrates out of the region for the winter

Wi = Winter visitor (August 31 - February 28) occurs only as a winter visitor and is not known to breed in the project region

Au = Fall migrant (August 1 - November 30). The species occurs within the given habitat types as a fall migrant

* = Known breeding (known or expected to breed) in the project region

? = Breeding status uncertain; the species may nest in the project region where suitable habitat exists.

A = Abundant: nearly always encountered, generally in moderate to large numbers in the habitat(s) indicated

C = Common: usually found in the habitat(s) indicated during the indicated season, but usually not in large numbers

U = Uncommon: occurs in small numbers, and is not always observed in the indicated habitat

R = Rare: may occur in the indicated habitat, but only in very small numbers

Ca = Casual: not of regular occurrence, although the project region is within the range of the species.

Habitat(s) typically used by the species:

Aq= Aquatic habitats: open water, stream and marsh

DR = Disturbed/ruderal: roadsides, agricultural fields, disked/weed-abated areas

Gr/OS = Grassland/oak savannah

OR = Open riverbed and bank

RW = Riparian woodland: cottonwood/willow forest & woodland, willow thicket and mule fat scrub

Sc = Scrub habitats: coastal sage scrub to low chaparral.

Scientific Name	Common Name	Habitat	Wi	Sp	Su	Au
BIRDS						
<i>Porzana carolina</i>	Sora	Aq	U	U		U
<i>Fulica americana</i>	American Coot	Aq	C	C	C*	C
CHARADRIIDAE		PLOVERS				
<i>Charadrius vociferus</i>	Killdeer	Aq,RW,OR	C	C	C*	C
<i>Charadrius montanus</i>	Mountain Plover	OS	U			
SCOLOPACIDAE		SANDPIPERS				
<i>Calidris minutilla</i>	Least Sandpiper	Aq,OR	U	U		
<i>Tringa hypoleucos</i>	Spotted sandpiper	Aq,OR	U	U	R	
COLUMBIDAE		PIGEONS and DOVES				
<i>Columba livia</i>	Rock Dove	Gr/OS,DR	C	C	C*	C
<i>Columba fasciata</i>	Band-tailed Pigeon	RW,Gr/OS	R	R		R
<i>Columba livia*</i>	Domestic Pigeon	RW, Gr/OS,DR	Ca	Ca	Ca	Ca
<i>Streptopelia chinensis</i>	Spotted Dove	RW,DR	Ca	Ca	Ca?	Ca
<i>Zenaida macroura</i>	Mourning Dove	RW,Gr/OS,Sc,DR	C	C	C*	C
CUCULIDAE		CUCKOOS				
<i>Coccyzus americanus occidentalis</i>	Western Yellow-billed Cuckoo	RW		Ca	Ca*	Ca
<i>Geococcyx californianus</i>	Greater Roadrunner	Sc,RW	U	U	U*	U
TYTONIDAE		BARN OWLS				
<i>Tyto alba</i>	Barn Owl	RW,Gr/OS,Sc,DR	U	U	U*	U

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Sc = Scrub habitats: coastal sage scrub to low chaparral.

Scientific Name	Common Name	Habitat	Wi	Sp	Su	Au
BIRDS						
STRIGIDAE		OWLS				
<i>Bubo virginianus</i>	Great Horned Owl	RW,Gr/OS,Sc,OR	U	U	U*	U
<i>Athene cunicularia</i>	Western Burrowing Owl	Gr/OS,Sc	R	R	R?	R
<i>Asio otus</i>	Long-eared Owl	RW	R		Ca?	
<i>Asio flammeus</i>	Short-eared Owl	Gr/OS	U			
APODIDAE		SWIFTS				
<i>Aeronautes saxatalis</i>	White-throated Swift	Aq,RW,OR,Sc,DR	C	C	C*	C
TROCHILIDAE		HUMMINGBIRDS				
<i>Archilochus alexandri</i>	Black-chinned Hummingbird	RW,OR,Sc		U	U*	R
<i>Calypte anna</i>	Anna's Hummingbird	RW,Gr/OS,Sc,DR	C	C	C*	C
<i>Calypte costae</i>	Costa's Hummingbird	RW,OR,Sc		C	C*	U
<i>Selasphorus rufus</i>	Rufous Hummingbird	RW,Gr/OS,Sc		U		U
<i>Selasphorus sasin</i>	Allen's Hummingbird	RW,Gr/OS,Sc		C	C*	U
ALCEDINIDAE		KINGFISHERS				
<i>Ceryle alcyon</i>	Belted Kingfisher	Aq	U	R		R
PICIDAE		WOODPECKERS				
<i>Melanerpes formicivorus</i>	Acorn Woodpecker	Gr/OS,RW	C	C	C*	C
<i>Sphyrapicus ruber</i>	Red-breasted Sapsucker	Gr/OS,RW	U	R		U
<i>Picoides nuttallii</i>	Nuttall's Woodpecker	RW,Gr/OS,Sc	C	C	C*	C

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Sc = Scrub habitats: coastal sage scrub to low chaparral.

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BIRDS						
<i>Picoides pubescens</i>	Downy Woodpecker	RW,Gr/OS	C	C	C*	C
<i>Picoides villosus</i>	Hairy Woodpecker	RW,Gr/OS	U	U	U*	U
<i>Colaptes auratus</i>	Northern Flicker	RW,Gr/OS,Sc	C	C	U*	C
TYRANNIDAE						
FLYCATCHERS						
<i>Contopus borealis</i>	Olive-sided Flycatcher	RW,Gr/OS	R	R		
<i>Contopus sordidulus</i>	Western Wood-pewee	RW,Gr/OS		U	R*	U
<i>Empidonax traillii</i>	Willow Flycatcher	RW		R		U
<i>Empidonax hammondi</i>	Hammond's Flycatcher	RW,Gr/OS,Sc		R		R
<i>Empidonax difficilis</i>	Pacific-slope Flycatcher	RW,Gr/OS		C	C*	C
<i>Sayornis nigricans</i>	Black Phoebe	RW,OR,Gr/OS	C	C	C*	C
<i>Sayornis saya</i>	Say's Phoebe	Gr/OS,Sc	C	C	R?	C
<i>Pyrocephalus rubinus flammeus</i>	Vermilion Flycatcher	RW		Ca		Ca
<i>Myiarchus cinerascens cinerascens</i>	Ash-throated Flycatcher	RW,Gr/OS,Sc		Ca	C?	Ca
<i>Tyrannus vociferans vociferans</i>	Cassin's Kingbird	Gr/OS,Sc	U	U	U?	U
<i>Tyrannus verticalis</i>	Western Kingbird	RW,Gr/OS,Sc	U	U	U*	U
ALAUDIDAE						
LARKS						
<i>Eremophila alpestris actia</i>	California Horned Lark	Gr/OS	C	C	U*	C
HIRUNDINIDAE						
SWALLOWS						
<i>Tachycineta bicolor</i>	Tree Swallow	Aq,RW,Gr/OS, OR	R	C	U	R

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BIRDS						
<i>Tachycineta thalassina</i>	Violet-green Swallow	Aq,RW,Gr/OS, OR,Sc	R	C	U	R
<i>Stelgidopteryx serripennis</i>	Northern Rough-winged Swallow	RW,Gr/OS,OR,Sc	U	C	C	R
<i>Petrochelidon pyrrhonota</i>	Cliff Swallow	Aq,RW,Gr/OS, OR,Sc	R	C	C	R
<i>Hirundo rustica</i>	Barn Swallow	RW,Gr/OS,OR,Sc	R	A	C	R
CORVIDAE	JAYS, CROWS, and RAVENS					
<i>Aphelocoma coerulescens</i>	Scrub Jay	RW,Gr/OS,Sc,DR	C	C	C*	C
<i>Pica nuttalli</i>	Yellow-billed Magpie	Gr/OS	U	U	U*	U
<i>Corvus brachyrhynchos hesperis</i>	American Crow	RW,Gr/OS,DR,Sc	C	C	C*	C
<i>Corvus corax clarionensis</i>	Common Raven	Gr/OS,Sc,DR,OR	U	U	U?	U
PARIDAE	CHICKADEES and TITMICE					
<i>Baeolophus inornatus</i>	Oak Titmouse	RW,Gr/OS,Sc	C	C	C*	C
AEGITHALIDAE	BUSHTITS					
<i>Psaltriparus minimus</i>	Bushtit	RW,Sc,Gr/OS,DR	C	C	C*	C
SITTIDAE	NUTHATCHES					
<i>Sitta canadensis</i>	Red-breasted Nuthatch	RW,Gr/OS	R	Ca		R
<i>Sitta carolinensis</i>	White-breasted Nuthatch	RW,Gr/OS	U	U	U*	U
TROGLODYTIDAE	WRENS					
<i>Salpinctes obsoletus</i>	Rock Wren	DR,Sc	R	R	R*	R

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BIRDS						
<i>Salpinctes mexicanus</i>	Canyon Wren	Sc	R	R	R	R
<i>Thryomanes bewickii</i>	Bewick's Wren	RW,Sc	C	C	C*	C
<i>Troglodytes aedon</i>	House Wren	RW,Gr/OS,Sc		U	U*	U
<i>Cistothorus palustris</i>	Marsh Wren	RW,OR	U	U	U*	U
MUSCICAPIDAE	THRUSHES, GNATCATCHERS, and WRENTIT					
<i>Regulus calendula</i>	Ruby-crowned Kinglet	RW,Gr/OS,Sc	C	C		C
<i>Polioptila caerulea</i>	Blue-gray Gnatcatcher	RW,Sc		U	U?	U
<i>Sialia mexicana</i>	Western Bluebird	RW,Gr/OS,Sc	U	U	U*	U
<i>Catharus guttatus</i>	Hermit Thrush	RW,Gr/OS,Sc	C	C		C
<i>Catharus ustulatus</i>	Swainson's Thrush	RW,Sc		C	U?	C
<i>Turdus migratorius</i>	American Robin	Aq,RW,Gr/OS,Sc, DR	C	C	U*	C
<i>Chamaea fasciata</i>	Wrentit	RW,Sc	C	C	C*	C
MIMIDAE	MOCKINGBIRDS and THRASHERS					
<i>Mimus polyglottos</i>	Northern Mockingbird	RW,Gr/OS,Sc,DR	U	U	U*	U
<i>Toxostoma redivivum</i>	California Thrasher	RW,Sc	C	C	C*	C
MOTACILLIDAE	PIPITS					
<i>Anthus rubescens</i>	American Pipit	Gr/OS,OR,DR	U	U		U
BOMBYCILLIDAE	WAXWINGS					

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BIRDS						
<i>Bombycilla cedrorum</i>	Cedar Waxwing	RW,Gr/OS,Sc	U	U		U
PTILOGONATIDAE	PHAINOPEPLAS					
<i>Phainopepla nitens</i>	Phainopepla	RW,GR/OS,Sc	U	U	U	U
LANIIDAE	SHRIKES					
<i>Lanius ludovicianus</i>	Loggerhead Shrike	RW,Gr/OS,Sc,DR	C	C	U*	C
STURNIDAE	STARLINGS					
<i>Sturnus vulgaris</i> *	European Starling	RW,Gr/OS,DR	A	A	A*	A
VIREONIDAE	VIREOS					
<i>Vireo bellii pusillus</i>	Least Bell's Vireo	RW		R	R*	R
<i>Vireo solitarius</i>	Solitary Vireo	RW,Gr/OS		R		R
<i>Vireo huttoni</i>	Hutton's Vireo	RW,Gr/OS	C	C	C*	C

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BIRDS						
<i>Vireo gilvus</i>	Warbling Vireo	RW,Gr/OS		C	C*	C
EMBERIZIDAE		WARBLERS, SPARROWS, and ORIOLES				
<i>Vermivora celata</i>	Orange-crowned Warbler	RW,Gr/OS,Sc	C	C	U*	C
<i>Vermivora ruficapilla</i>	Nashville Warbler	RW,GR/OS		U		U
<i>Dendroica coronata</i>	Yellow-rumped Warbler	RW,Gr/OS,Sc,DR	A	C		C
<i>Dendroica nigrescens</i>	Black-throated Gray Warbler	RW,Gr/OS,Sc	U	U	U	U
<i>Dendroica petechia</i>	Yellow Warbler	RW,Gr/OS,Sc		C	U*	C
<i>Dendroica townsendi</i>	Townsend's Warbler	RW,Gr/OS,Sc	U	C		C
<i>Oporornis tolmiei</i>	MacGillivray's Warbler	RW,GR/OS, SC	U			U
<i>Geothlypis trichas</i>	Common Yellowthroat	Aq,RW,OR	C	C	C*	C
<i>Wilsonia pusilla</i>	Wilson's Warbler	RW,Gr/OS,Sc	R	C	U*	C
<i>Icteria virens</i>	Yellow-breasted Chat	RW		U	U*	U
<i>Piranga rubra</i>	Summer Tanager	RW	U	U		U
<i>Piranga ludoviciana</i>	Western Tanager	RW,Gr/OS,Sc		C		U
<i>Pheucticus melanocephalus</i>	Black-headed Grosbeak	RW,Sc,Gr/OS		C	C*	U
<i>Guiraca caerulea salicaria</i>	Blue Grosbeak	RW,Sc,Gr/OS,DR		U	U*	Ca
EMBERIZIDAE (cont.)		WARBLERS, SPARROWS, and ORIOLES				
<i>Passerina amoena</i>	Lazuli Bunting	RW,Sc,Gr/OS		U	U*	U
<i>Pipilo erythrophthalmus megalonyx</i>	Rufous-sided Towhee	RW,Sc	C	C	C*	C

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BIRDS						
<i>Pipilo crissalis</i>	California Towhee	RW,Sc	C	C	C*	C
<i>Aimophila ruficeps canescens</i>	Southern California Rufous-crowned Sparrow	Sc	C	C	U*	C
<i>Spizella passerina</i>	Chipping Sparrow	Sc	R	R	R*	
<i>Spizella atrogularis</i>	Black-chinned Sparrow	Sc		Ca	Ca?	
<i>Poocetes gramineus</i>	Vesper Sparrow	Gr/OS,Sc		R		R
<i>Chondestes grammacus</i>	Lark Sparrow	Gr/OS,OR,Sc	C	C	U*	C
<i>Amphispiza belli</i>	Bell's Sage Sparrow	Sc	R	R	R?	R
<i>Passerculus sandwichensis</i>	Savannah Sparrow	Aq,RW,Gr/OS,DR	C	C	C*	C
<i>Melospiza melodia</i>	Song Sparrow	RW,Sc,Aq,OR	C	C	C*	C
<i>Melospiza lincolni</i>	Lincoln's Sparrow	RW,Sc	C	C		C
<i>Zonotrichia atricapilla</i>	Golden-crowned Sparrow	RW,Sc	C	C		C
<i>Zonotrichia leucophrys</i>	White-crowned Sparrow	RW,Gr/OS,Sc,DR	A	C		C
<i>Junco hyemalis</i>	Dark-eyed Junco	RW,Gr/OS,Sc	C	C	U*	C
<i>Agelaius phoeniceus</i>	Red-winged Blackbird	Aq,RW,Gr/OS,DR	C	C	C*	C
<i>Agelaius tricolor</i>	Tricolored Blackbird	Aq,RW,Gr/OS	U	U	R?	U
<i>Sturnella neglecta</i>	Western Meadowlark	Gr/OS	C	C	C*	C
<i>Xanthocephalus xanthocephalus</i>	Yellow-headed Blackbird	RW		U		U
<i>Euphagus cyanocephalus</i>	Brewer's Blackbird	RW,Gr/OS,Sc,DR	C	C	C*	C

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BIRDS						
<i>Molothrus ater</i>	Brown-headed Cowbird	RW,Gr/OS,Sc,DR	C	C	C*	C
<i>Icterus cucullatus</i>	Hooded Oriole	Gr/OS,RW		R	R?	R
<i>Icterus galbula</i>	Northern Oriole	Gr/OS,RW		U	U*	U
FRINGILLIDAE						
FINCHES						
<i>Carpodacus purpureus</i>	Purple Finch	RW,Gr/OS	U	U	U*	U
<i>Carpodacus mexicanus</i>	House Finch	RW,Sc,Gr/OS,DR	A	A	C*	A
<i>Carduelis pinus</i>	Pine Siskin	RW,Gr/OS,Sc	U	R		R
<i>Carduelis psaltria</i>	Lesser Goldfinch	RW,Gr/OS,Sc	C	C	C*	C
<i>Carduelis lawrencei</i>	Lawrence's Goldfinch	RW,Gr/OS,Sc	R	U	U	U
<i>Carduelis tristis</i>	American Goldfinch	RW,Gr/OS,Sc	C	C	C*	C
PASSERIDAE						
WEAVERS						
<i>Passer domesticus*</i>	House Sparrow	RW,Gr/OS,Sc,DR	C	C	C*	C
			Habitat		Abundance	
FISH						
<i>Gasterosteus aculeatus williamsoni</i>	Unarmored Threespine Stickleback	SCR			R	
<i>Cottus asper</i>	Prickly Sculpin	SCR			C	
<i>Catostomus santaanae</i>	Santa Ana Sucker	SCR			R	
<i>Gila orcutti</i>	Arroyo Chub	SCR			R	
<i>Gambusia affinis*</i>	Mosquitofish	SCR			A	

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AMPHIBIANS							
CAUDATA		SALAMANDERS					
<i>Aneides lugubris</i>	Arboreal Salamander		U			U	
<i>Batrachoseps nigriventris</i>	Black-bellied Slender Salamander		C		U	C	
ANURA		FROGS & TOADS					
<i>Bufo californicus</i>	Arroyo Toad	R	R	R			
<i>Bufo boreas</i>	Western Toad	U	Ca	Ca		Ca	
<i>Pseudacris regilla</i>	Pacific chorus frog	A	C	C	U	U	
<i>Rana aurora draytoni</i>	California Red-legged Frog	Ca					
<i>Scaphiopus hammondi</i>	Western Spadefoot Toad	Ca					
<i>Xenopus laevis</i>*	African Clawed Frog	Ca					
REPTILES							
TESTUDINES		TURTLES					
<i>Clemmys marmorata pallida</i>	Southwestern Pond Turtle	Ca	Ca				
SQUAMATA		LIZARDS					
<i>Anniella pulchra pulchra</i>	Silvery Legless Lizard				U		
<i>Gambelia wislizenii</i>	Long-nosed Leopard Lizard				Ca		
<i>Xantusia vigilis</i>	Desert Night Lizard				U		
<i>Elgaria multicarinatus webboo</i>	San Diego Alligator Lizard		C	C	A	A	
<i>Eumeces skiltonianus</i>	Western Skink		U		U	C	

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REPTILES							
<i>Uta stansburiana</i>	Side-Blotched Lizard			C	U	U	C
<i>Sceloporus occidentalis</i>	Western Fence Lizard		U	R	U	A	C
<i>Aspidoscelis tigris stejnegeri</i>	Coastal Western Whiptail		U	C	C	U	
<i>Phrynosoma coronatum</i>	Coast Horned Lizard			R	R		
SQUAMATA							
SNAKES							
<i>Salvadora hexalepis virgulata</i>	Coast Patch-nosed Snake				Ca		
<i>Diadophis punctatus modestus</i>	San Bernardino Ringneck Snake		U			U	
<i>Hypsiglena torquata</i>	Night Snake				U	U	
<i>Thamnophis hammondi hammondi</i>	Two-striped Garter Snake	R	R				
<i>Lampropeltis getulus</i>	Common Kingsnake		U		U	C	R
<i>Pituophis melanoleucus annectens</i>	San Diego Gopher Snake		U	U	C	C	R
<i>Coluberr mormon</i>	Racer				U	U	
<i>Masticophis flagellum piceus</i>	Red Coachwhip			R	U	U	
<i>Crotalus viridis helleri</i>	Southern Pacific Rattlesnake		Ca	R	C	R	R

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MAMMALS							
DIDELPHIDAE		OPOSSUMS					
<i>Didelphis virginiana</i>	Virginia Opossum	U	C	C	U	U	R
SORICIDAE		SHREWS					
<i>Sorex ornatus</i>	Ornate Shrew		U		U		
<i>Notiosorex crawfordi</i>	Desert Shrew				Ca		
TALPIDAE		MOLES					
<i>Scapanus latimanus</i>	Broad-footed Mole		C	U	U	U	
VESPERTILIONIDAE		VESPERTILIONID BATS					
<i>Myotis californicus</i>	California Myotis		U	U	C	C	U
<i>Myotis thysanodes</i>	Fringed Myotis		Ca	Ca	Ca	Ca	
<i>Myotis yumanensis</i>	Yuma Myotis		U	U	U	C	
<i>Lasiurus cinereus</i>	Hoary Bat		U	U	U	U	
<i>Pipistrellus hesperus</i>	Western Pipistrelle		U	U	U	U	
<i>Eptesicus fuscus</i>	Big Brown Bat		U	U	U	U	
<i>Euderma maculatum</i>	Spotted Bat		Ca	Ca	Ca	R	
<i>Corynorhinus townsendii pallescens</i>	Pale Big-eared Bat		R	R	R	U	
<i>Antrozous pallidus</i>	Pallid Bat		U	U	U	C	
MOLOSSIDAE		MOLOSSID BATS					
<i>Tadarida brasiliensis</i>	Brazilian Free-tailed Bat		C	C	C	C	U

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MAMMALS							
<i>Eumops perotis californicus</i>	Western Mastiff-bat		R	R	R	R	
LEPORIDAE		HARES and RABBITS					
<i>Sylvilagus audubonii</i>	Desert Cottontail		U	C	C	C	U
<i>Sylvilagus bachmani</i>	Brush Rabbit		C		U		
<i>Lepus californicus bennettii</i>	San Diego Black-tailed Jackrabbit		U	C	C	C	R
SCIURIDAE		SQUIRRELS and CHIPMUNKS					
<i>Tamias merriami</i>	Merriam's Chipmunk				U		
<i>Spermophilus beecheyi</i>	California Ground Squirrel			U	C	A	C
<i>Sciurus griseus</i>	Western Gray Squirrel		U				
GEOMYIDAE		POCKET GOPHERS					
<i>Thomomys bottae</i>	Botta's Pocket Gopher		A	C	C	A	C
HETEROMYIDAE		KANGAROO RATS & POCKET MICE					
<i>Perognathus longimembris brevinasus</i>	Los Angeles Pocket Mouse				R	R	
<i>Chaetodipus californicus</i>	California Pocket Mouse	R			C		
<i>Dipodomys agilis</i>	Pacific Kangaroo Rat				U		
MURIDAE		MICE, RATS, and VOLES					
<i>Reithrodontomys megalotis</i>	Western Harvest Mouse		U		U	C	R
<i>Peromyscus boylii</i>	Brush Mouse		C		U		
<i>Peromyscus californicus</i>	California Mouse		C		U		

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MAMMALS							
<i>Peromyscus maniculatus</i>	Deer Mouse		U	U	C	U	R
<i>Onychomys torridus</i>	Grasshopper Mouse				R	R	
<i>Neotoma fuscipes</i>	Dusky-footed Woodrat		C		U	R	
<i>Neotoma lepida intermedia</i>	San Diego Desert Woodrat				C		
<i>Rattus rattus</i> *	Black Rat						C
<i>Mus musculus</i> *	House Mouse					U	C
<i>Microtus californicus</i>	California Vole	U	C	U	U	A	R
CANIDAE							
CANIDS							
<i>Canis latrans</i>	Coyote		C	C	C	C	U
<i>Vulpes vulpes</i> *	Red Fox		U	U	U	U	U
<i>Urocyon cinereoargenteus</i>	Gray Fox		R	R	C	U	
PROCYONIDAE							
PROCYONIDS							
<i>Procyon lotor</i>	Raccoon	C	C	C	U	U	U
MUSTELIDAE							
MUSTELIDS							
<i>Mustela frenata</i>	Long-tailed Weasel		U	R	R	C	
<i>Taxidea taxus</i>	American Badger				R	U	
<i>Spilogale gracilis</i>	Western Spotted Skunk				U	U	
<i>Mephitis mephitis</i>	Striped Skunk		C	U	U	C	U
FELIDAE							
CATS							

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MAMMALS							
<i>Felis concolor</i>	Mountain Lion		Ca	Ca	Ca		Ca
<i>Lynx rufus</i>	Bobcat		U	U	U	U	
CERVIDAE		CERVIDS					
<i>Odocoileus hemionus</i>	Mule Deer		C	U	C	C	U

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LYCOPODIAE

SELAGINELLACEAE - SPIKE-MOSS FAMILY

Selaginella bigelovii - Bigelow's spike-moss

EQUISETAE

EQUISETACEAE - HORSETAIL FAMILY

Equisetum hyemale – common scouring-rush

Equisetum laevigatum - smooth scouring-rush

Equisetum telmateia - giant horsetail

FILACEAE

AZOLLACEAE - MOSQUITO FERN FAMILY

Azolla c.f. filiculoides - duckweed fern

DENNSTAEDTIACEAE - BRAKEN FAMILY

Adiantum jordani - California maiden-hair

Pellaea andromedifolia - coffee fern

Pellaea mucronata var. *mucronata* - bird's-foot fern

Pentagramma triangularis - goldenback fern

POLYPODIACEAE - POLYPODY FAMILY

Polypodium californicum - California polypody

CONIFERAE

CUPRESSACEAE - CYPRESS FAMILY

* *Cedrus deodara* - Deodar cedar

Juniperus californica - California juniper

PINACEAE - PINE FAMILY

* *Pinus halepensis* - Aleppo pine

* *Pinus pinea* – stone pine

ANGIOSPERMAE (DICOTYLEDONES)

AIZOACEAE - FIG-MARIGOLD FAMILY

- * *Aptenia cordifolia* - baby sun-rose
- * *Carpobrotus* sp. - sea-fig

AMARANTHACEAE - AMARANTH FAMILY

- * *Amaranthus albus* - tumbleweed
- Amaranthus blitoides* - prostrate amaranth
- * *Amaranthus hybridus* - amaranth
- Amaranthus palmeri* – Palmer’s amaranth
- Amaranthus powellii* – Powell’s amaranth
- * *Amaranthus retroflexus* - rough pigweed

ANACARDIACEAE - SUMAC FAMILY

- Malosma laurina* - laurel sumac
- Rhus ovata* - sugar-bush
- Rhus trilobata* - squaw bush
- * *Schinus molle* - Peruvian pepper-tree
- Toxicodendron diversilobum* - poison-oak

APIACEAE - CARROT FAMILY

- * *Anethum graveolens* - dill
- Apiastrum angustifolium* - wild celery
- * *Apium graveolens* - celery
- Berula erecta* - cutleaf water-parsnip
- Bowlesia incana* – American Bowlesia
- * *Conium maculatum* – poison hemlock
- * *Coriandrum sativum* - cilantro
- * *Daucus carota* – Queen Anne’s lace
- Daucus pusillus* – rattlesnake weed
- Lomatium utriculatum* - common lomatium
- Sanicula bipinnata* – poison sanicle

APOCYNACEAE - DOGBANE FAMILY

- Apocynum cannabinum* - Indian hemp
- * *Vinca major* - periwinkle

ASCLEPIADACEAE - MILKWEED FAMILY

- Asclepias californica* – California milkweed
- Asclepias fascicularis* - narrow-leaf milkweed

ASTERACEAE - SUNFLOWER FAMILY

- Achillea millefolium* – yarrow
Achyraea mollis – blow-wives
Acourtia microcephala – sacapellote
Agoseris grandiflora – large-flowered agoseris
Ambrosia acanthicarpa - annual burweed
Ambrosia confertifolia - weak-leaved burweed
Ambrosia psilostachya - western ragweed
Artemisia californica - coastal sagebrush
Artemisia douglasiana - California mugwort
Artemisia dracunculus - tarragon
Artemisia tridentata - Great Basin sagebrush
Baccharis douglasii - marsh baccharis
Baccharis emoryi – Emory’s baccharis
Baccharis pilularis - coyote brush
Baccharis salicifolia - mule fat
Baccharis sarothroides - chaparral broom
Brickellia californica - California brickellbush
Brickellia nevinii - Nevin's brickellbush
* *Carduus pycnocephalus* - Italian thistle
* *Centaurea melitensis* - star thistle
Chaenactis glabriuscula - yellow pincushion
* *Chrysothamnus nauseosus* - rubber rabbitbrush
Cirsium occidentale var. *californicum*- California thistle
Cirsium occidentale var. *occidentale*- cobwebby thistle
* *Cirsium vulgare* - bull thistle
* *Cnicus benedictus* - blessed thistle
Conyza canadensis - horseweed
Conyza coulteri - Coulter’s conyza
Coreopsis bigelovii – Bigelow’s coreopsis
* *Coreopsis tinctoria* – calliopsis
Corethrogyne filaginifolia - virgate cudweed aster
* *Cotula coronopifolia* - African brass-buttons
Encelia actoni - Acton’s encelia
Encelia californica - California bush sunflower
Encelia farinosa - brittlebush, incensio
Ericameria palmeri var. *pachylepis* - goldenbush
Ericameria pinifolia - pine-bush

- Erigeron foliosus* - leafy daisy
Eriophyllum confertiflorum - long-stem golden yarrow
Euthamia occidentalis - western goldenrod
Filago californica - California fluffweed
* *Filago gallica* - narrow-leaf filago
* *Gazania linearis* - gazania
Gnaphalium bicolor - bicolor cudweed
Gnaphalium californicum - California everlasting
Gnaphalium canescens ssp. *microcephalum* - white everlasting
Gnaphalium leucocephalum – Sonora everlasting
Gnaphalium luteo-album - white cudweed
Gnaphalium sp. *nova* - everlasting
Gnaphalium palustre - lowland cudweed
Hazardia squarrosa ssp. *grindelioides* - saw-toothed goldenbush
Helianthus annuus - common sunflower
Helianthus nuttallii c.f. ssp. *parishii* - Los Angeles sunflower
Hemizonia fasciculata - fascicled tarweed
Hemizonia kelloggii – Kellogg’s tarweed
Heterotheca grandiflora - telegraph weed
Heterotheca sessiliflora - golden aster
Isocoma menziesii - goldenbush
Iva axillaris - poverty weed
* *Lactuca saligna* – willowleaf lettuce
* *Lactuca serriola* - prickly lettuce
Lagophylla ramosissima – common hareleaf
Lasthenia californica - coast goldfields
Lepidospartum squamatum - scale-broom
Lessingia filaginifolia – California aster
Lessingia glandulifera – lessingia
Malacothrix saxatilis - cliff malacothrix
* *Matricaria matricarioides* - pineapple weed
Micropus californicus - slender cottonweed
Pluchea odorata - marsh-fleabane
Pluchea sericea - arrow weed
* *Pulicaria paludosa* - Spanish sunflower
Rafinesquia californica - California chicory
Senecio californicus – California butterweed
Senecio flaccidus var. *douglasii* - butterweed
* *Senecio vulgaris* - common groundsel
Silybum marianum - milk thistle

- * *Sonchus asper* - prickly sow-thistle
- * *Sonchus oleraceus* - common sow-thistle
- Stebbinoseris heterocarpa* [*Microseris heterocarpa*] – brown puffs
- Stephanomeria exigua* - small wreathplant
- Stephanomeria pauciflora* - wire-lettuce
- Stephanomeria virgata* - twiggy wreathplant
- Stylocline gnaphaloides* - everlasting nest-straw
- Uropappus lindleyi* [*Microseris lindleyi*] – silver puffs
- Wyethia ovata* - mule ears
- Xanthium spinosum* - spiny cocklebur
- Xanthium strumarium* – cocklebur

BETULACEAE – BIRCH FAMILY

Alnus rhombifolia – white alder

BORAGINACEAE - BORAGE FAMILY

Amsinckia menziesii var. *intermedia* - yellow fiddleneck
Amsinckia menziesii var. *menziesii* - yellow fiddleneck
Amsinckia tessellata – devil’s lettuce
Cryptantha sp. - forget-me-not
Cryptantha intermedia - common forget-me-not
Cryptantha micrantha – redroot cryptantha
Cryptantha microstachys – tejon cryptantha
Cryptantha muricata – prickly cryptantha
Heliotropium curassavicum - wild heliotrope
Pectocarya linearis - slender pectocarya
Pectocarya penincillata - pectocarya
Pectocarya setosa - pectocarya
Plagiobothrys arizonicus - popcorn flower
Plagiobothrys canescens - rusty popcorn flower
Plagiobothrys collinus - California popcorn flower
Plagiobothrys fulvus - common popcorn flower

BRASSICACEAE - MUSTARD FAMILY

- Athysanus pusillus* – dwarf athysanus
- * *Brassica nigra* - black mustard
- * *Capsella bursa-pastoris* - shepard's purse
- Caulanthus lasiophyllus* – California mustard
- Descurainia pinnata* ssp. *halictorum* – tansy mustard
- * *Hirschfeldia incana* - short-podded mustard

- Lepidium lasiocarpum* - peppergrass
- * *Lepidium latifolium* - peppergrass
- Lepidium virginicum* - wild peppergrass
- * *Lobularia maritime* – sweet-alyssum
- * *Raphanus sativus* - wild radish
- * *Rorippa nasturtium-aquaticum* - water cress
- * *Sisymbrium altissimum* - tumble mustard
- * *Sisymbrium irio* - London rocket
- * *Sisymbrium officinale* - hedge mustard
- * *Sisymbrium orientale* - Oriental mustard
- Stanleya pinnata* var. *pinnata*– Prince’s plume
- Thysanocarpus curvipes* – fringedpod
- Tropidocarpum gracile* – slender dobie-pod

CACTACEAE - CACTUS FAMILY

- * *Cereus peruvianus* - Peruvian apple cactus
- Opuntia basilaris* var. *ramosa* – beaver-tail cactus
- Opuntia californica* var. *parkeri* - cane cholla
- Opuntia littoralis* - coastal prickly-pear
- Opuntia X vaseyi* - prickly-pear cactus
- * *Trichocereus spachianus* - golden torch cactus

CAPPARACEAE - CAPER FAMILY

- Isomeris arborea* - bladderpod

CAPRIFOLIACEAE - HONEYSUCKLE FAMILY

- Lonicera subspicata* - southern honeysuckle
- Sambucus mexicana* - Mexican elderberry
- Symphoricarpos* sp. - snowberry
- Symphoricarpos c.f. mollis* - spreading snowberry

CARYOPHYLLACEAE - PINK FAMILY

- * *Cerastium glomeratum* - sticky mouse-ear
- * *Herniaria cinerea* - gray herniaria
- Loeflingia squarrosa* - no common name
- * *Silene gallica* - common catchfly
- Spergularia* sp. - stickwort, starwort
- * *Spergularia rubra* - sand-spurrey
- * *Spergularia c.f. villosa* - villous sand-spurrey
- * *Stellaria media* - common chickweed

CASURINACEAE – SHEET OAK FAMILY

- * *Casuarina cunninghamiana* - Australian Pine

CHENOPODIACEAE - GOOSEFOOT FAMILY

- Atriplex canescens* - four-winged saltbush
- * *Atriplex heterosperma* - weedy orache
- Atriplex lentiformis*- big saltbush, quail brush
- * *Atriplex rosea* - tumbling orache
- * *Atriplex semibaccata* - Australian saltbush
- Atriplex serenana* var. *serenana* - bractscale
- Atriplex suberecta* - Australian saltbush
- Atriplex triangularis* – spearscale
- * *Bassia hyssopifolia* - five-hooked bassia
- * *Beta vulgaris* – garden beet
- * *Chenopodium album* - lamb's-quarters
- * *Chenopodium ambrosioides* - Mexican tea
- Chenopodium berlandieri* - pitseed goosefoot
- * *Chenopodium botrys* - goosefoot
- Chenopodium californicum* - California goosefoot
- * *Chenopodium murale* - nettle-leaved goosefoot
- Chenopodium rubrum* - red goosefoot
- * *Salsola tragus* - Russian-thistle
- * *Spinacia oleracea* – spinach

CONVOLVULACEAE - MORNING-GLORY FAMILY

Calystegia macrostegia ssp. *cyclostegia* – morning-glory

Calystegia peirsonii - Peirson's morning-glory

* *Convolvulus arvensis* - bindweed

CRASSULACEAE - STONECROP FAMILY

Crassula connata - dwarf stonecrop

Dudleya cymosa - unidentified dudleya

Dudleya lanceolata - lanceleaf dudleya

CUCURBITACEAE - GOURD FAMILY

Cucurbita foetidissima - coyote-melon, calabazilla

Marah macrocarpus - wild cucumber

CUSCUTACEAE - DODDER FAMILY

Cuscuta californica - California dodder

Cuscuta pentagona – five-angled dodder

Cuscuta subinclusa – canyon dodder

DATISCAEAE - DASTICA FAMILY

Dastica glomerata - Durango root

ERICACEAE - HEATH FAMILY

Arctostaphylos glauca - bigberry manzanita

EUPHORBIACEAE - SPURGE FAMILY

Chamaesyce albomarginata - rattlesnake spurge

* *Chamaesyce maculata* – spotted spurge

Chamaesyce polycarpa - small-seed sand mat

Chamaesyce serpyllifolia – thyme-leafed spurge

Croton californicus - California croton

Eremocarpus setigerus - doveweed

- Euphorbia spathulata* - reticulate-seed spurge
- * *Ricinus communis* - castor-bean
- Stillingia linearifolia* - linear-leaved stillingia

FABACEAE - PEA FAMILY

- * *Acacia baileyana* - golden wattle
- Astragalus didymocarpus* – white dwarf locoweed
- Astragalus gambelianus* – Gambel’s locoweed
- Astragalus trichopodus* - Santa Barbara locoweed
- Glycyrrhiza lepidota* - wild licorice
- Lathyrus laetiflorus* - wild sweet pea
- Lathyrus vestitus* - wild pea
- Lotus corniculatus* - bird's-foot lotus
- Lotus hamatus* – grab lotus
- Lotus humistratus* - lotus
- Lotus purshianus* - Spanish-clover
- Lotus salsuginosus* - coastal lotus
- Lotus scoparius* var. *scoparius* - deerweed
- Lotus strigosus* - strigose deerweed
- Lupinus bicolor* - Lindley's annual lupine
- Lupinus excubitus* – Mountain Springs bush lupine
- Lupinus excubitus* var. *hallii* - grape soda lupine
- Lupinus hirsutissimus* - stinging lupine
- Lupinus microcarpus* var. *densiflorus* - chick lupine
- Lupinus microcarpus* var. *microcarpus* - chick lupine
- Lupinus sparsiflorus* - Coulter's lupine
- Lupinus succulentis* - arroyo lupine
- Lupinus truncatus* - collar lupine
- * *Medicago polymorpha* - California burclover
- * *Medicago polymorpha* var. *brevispina* - short-spined California burclover
- * *Medicago sativa* - alfalfa
- * *Melilotus alba* - white sweet-clover
- * *Melilotus indica* - yellow sweet-clover
- * *Robinia pseudoacacia* - black locust
- Trifolium* sp. – clover
- Trifolium albopurpureum* – rancheria clover
- Trifolium ciliolatum*- tree clover
- * *Trifolium fragiferum* - strawberry clover

- Trifolium gracilentum* – pin-point clover
- * *Trifolium hirtum* - rose clover
- Trifolium microcephalum* – maiden clover
- * *Trifolium repens* - white clover
- Trifolium willdenovii* – valley clover
- Vicia hassei* – Hesse’s vetch
- * *Vicia villosa* ssp. *villosa* – winter vetch

FAGACEAE - BEECH FAMILY

- Quercus agrifolia* - coast live oak
- Quercus berberidifolia* - scrub oak
- Quercus douglasii* - blue oak
- Quercus lobata* - valley oak

GERANIACEAE - GERANIUM FAMILY

- * *Erodium brachycarpum* – shortfruit stork’s bill
- * *Erodium botrys* – long-beaked filaree
- * *Erodium cicutarium* - red-stemmed filaree
- * *Erodium moschatum* – white-stemmed filaree

GROSSULARIACEAE - CURRANT FAMILY

- Ribes aureum* - golden currant
- Ribes malvaceum* - chaparral currant

HYDROPHYLLACEAE - WATERLEAF FAMILY

- Emmenanthe penduliflora* - whispering bells
- Eriodictyon crassifolium* var. *nigrescens* - yerba santa
- Eucrypta chrysanthemifolia* - common eucrypta
- Nemophila menziesii* – baby blue-eyes
- Nemophila parviflora* var. *quercifolia* – oak-leaved nemophila
- Phacelia cicutaria* - caterpillar phacelia
- Phacelia cicutaria* var. *hispida* – caterpillar phacelia
- Phacelia distans* - blue fiddleneck
- Phacelia imbricata* ssp. *imbricata* - imbricate phacelia
- Phacelia minor* - wild canterbury-bell
- Phacelia ramosissima* - shrubby phacelia

JUGLANDACEAE - WALNUT FAMILY

- Juglans californica* - southern California black walnut

LAMIACEAE - MINT FAMILY

- * *Marrubium vulgare* - horehound
- Mentha citrata* – orange mint
- Salvia apiana* - white sage
- Salvia columbariae* - chia
- Salvia leucophylla* - purple sage
- Salvia mellifera* - black sage
- Stachys ajugoides* – bugle hedge-nettle
- Stachys ajugoides* var. *rigida* - rigid hedge-nettle
- Stachys albens* - white hedge-nettle
- Trichostema lanceolatum* - vinegar weed

LAURACEAE - LAUREL FAMILY

- Umbellularia californica* - California laurel

LOASACEAE - STICK-LEAF FAMILY

- Mentzelia* sp. – blazing star
- Mentzelia laevicaulis* - blazing star
- Mentzelia micrantha* - small-flowered stick-leaf

LYTHRACEAE - LOOSESTRIFE FAMILY

- Lythrum californicum* - California loosestrife

MALVACEAE - MALLOW FAMILY

- Malacothamnus fasciculatus* ssp. *laxiflorus* – chaparral bush mallow
- Malacothamnus fremontii* – bush mallow
- Malacothamnus marrubioides* - bush mallow
- * *Malva neglecta* - common mallow
- * *Malva parviflora* - cheeseweed

MELIACEAE - MAHOGANY FAMILY

- * *Melia azedarach* - China berry

MORACEAE - FIG FAMILY

- * *Ficus carica* – edible fig

MYRTACEAE - MYRTLE FAMILY

- * *Eucalyptus* sp. - eucalyptus
- * *Eucalyptus camaldulensis* – red gum
- * *Eucalyptus globulus* - blue gum
- * *Eucalyptus leucoxylon* - white ironbark
- * *Eucalyptus polyanthemos* – silver dollar gum
- * *Eucalyptus sideroxylon* - red ironbark

NYCTAGINACEAE - FOUR O'CLOCK FAMILY

Mirabilis laevis var. *crassifolia* [*M. californica*]- California wishbone-bush

OLEACEAE - OLIVE FAMILY

- Fraxinus dipetala* - California ash
- * *Fraxinus uhdei* – tropical ash
- Fraxinus velutina* – velvet ash
- * *Ligustrum lucidum* - glossy privet
- * *Olea europaea* - mission olive

ONAGRACEAE - EVENING-PRIMROSE FAMILY

Camissonia bistorta – southern sun cup
Camissonia boothii - sun cup
Camissonia boothii ssp. *decorticans* – shredding evening primrose
Camissonia californica - mustard primrose
Camissonia hirtella - sun cup
Camissonia strigulosa - sun cup
Clarkia purpurea - winecup clarkia
Clarkia speciosa - clarkia
Clarkia unguiculata - elegant clarkia
Epilobium brachycarpum - willow herb
Epilobium canum ssp. *canum* - California fuchsia
Epilobium ciliatum - California cottonweed
Ludwigia peploides - yellow waterweed

- Ludwigia repens* - water primrose
Oenothera elata - evening primrose
* *Oenothera laciniata* - evening primrose

OROBANCHACEAE - BROOM-RAPE FAMILY

Orobanche parishii ssp. *parishii* - broom-rape

PAEONIACEAE - PEONY FAMILY

Paeonia californica - California peony

PAPAVERACEAE - POPPY FAMILY

Argemone corymbosa – prickly poppy
Eschscholzia californica - California poppy
Platystemon californicus – California creamcups

PLANTAGINACEAE - PLANTAIN FAMILY

- Plantago erecta* - dot-seed plantain
* *Plantago indica* - plantain
* *Plantago lanceolata* - English plantain
* *Plantago major* - common plantain

PLATANACEAE - SYCAMORE FAMILY

Platanus racemosa - western sycamore

POLEMONIACEAE - PHLOX FAMILY

Allophyllum divaricatum - purple false gillyflower
Allophyllum glutinosum – sticky false gillyflower
Eriastrum densifolium – woollystar
Eriastrum densifolium ssp. *elongatum* - elongate eriastrum
Eriastrum densifolium ssp. *mohavense* - Mohave eriastrum
Eriastrum sapphirinum - sapphire eriastrum
Gilia angelensis - angel gilia
Gilia capitata – globe gilia
Leptodactylon californicum - prickly phlox
Linanthus androsaceus – common linanthus

Linanthus pygmaeus - linanthus
Navarretia atractyloides - holly-leaf skunkweed
Phlox gracilis – slender phlox

POLYGONACEAE - BUCKWHEAT FAMILY

Chorizanthe parryi var. *fernandina* - San Fernando Valley spineflower
Chorizanthe staticoides - turkish rugging
Eriogonum angulosum - angle-stem buckwheat
Eriogonum baileyi – Bailey’s buckwheat
Eriogonum brachyanthum – short-flowered buckwheat
Eriogonum elongatum - long-stemmed buckwheat
Eriogonum fasciculatum ssp. *foliolosum* - California buckwheat
Eriogonum fasciculatum ssp. *polifolium* - California buckwheat
Eriogonum gracile var. *gracile* - slender woolly buckwheat
Eriogonum gracillimum – rose and white buckwheat
Eriogonum maculatum – spotted buckwheat
Eriogonum c.f. *viridescens* - buckwheat
Lastarriaea coriacea - lastarriaea
* *Polygonum arenastrum* - common knotweed
* *Polygonum argyrocoleon* - smartweed
Polygonum lapathifolium - willow weed
Polygonum punctatum - perennial smartweed
Pterostegia drymarioides - pterostegia
* *Rumex conglomeratus* - whorled dock
* *Rumex crispus* - curly dock
Rumex hymenosepalus - wild rhubarb
Rumex maritimus – golden dock
Rumex obtusifolius - dock
Rumex salicifolius - willow dock

PORTULACACEAE - PURSLANE FAMILY

Calandrinia ciliata - redmaids
Claytonia parviflora - small-leaved montia
Claytonia perfoliata – miner’s lettuce
* *Portulaca oleracea* - common purslane

RANUNCULACEAE - BUTTERCUP FAMILY

Clematis ligusticifolia - yerba de chiva

Delphinium parryi ssp. *parryi* – Parry's larkspur

RHAMNACEAE - BUCKTHORN FAMILY

Ceanothus crassifolius - hoary-leaved ceanothus

Ceanothus tomentosus - woollyleaf ceanothus

Rhamnus crocea - redberry

Rhamnus ilicifolia - holly-leaf redberry

ROSACEAE - ROSE FAMILY

Adenostoma fasciculatum – chamise

Cercocarpus betuloides – mountain-mahogany

Cercocarpus betuloides var. *betuloides* - birch-leaf mountain-mahogany

Cercocarpus betuloides var. *blancheae* - island mountain-mahogany

Heteromeles arbutifolia - toyon

Prunus ilicifolia - holly-leaf cherry

Rosa californica - California rose

Rubus ursinus - California blackberry

* *Sangwisorba minor* – garden burnet

RUBIACEAE - MADDER FAMILY

Galium angustifolium - narrow-leaved bedstraw

* *Galium aparine* - goose grass

Galium nuttallii ssp. *nuttallii* – San Diego bedstraw

Galium porrigens - climbing bedstraw

SALICACEAE - WILLOW FAMILY

Populus fremontii - Fremont's cottonwood

Salix exigua - narrow-leaved willow

Salix gooddingii - black willow

Salix laevigata - red willow

Salix lasiolepis - arroyo willow

Salix lucida ssp. *lasiandra* - golden willow

SAURURACEAE - LIZARD'S-TAIL FAMILY

Anemopsis californica - yerba mansa

SCROPHULARIACEAE - FIGWORT FAMILY

Antirrhinum coulterianum - white snapdragon

Antirrhinum multiflorum – withered snapdragon

Castilleja affinis - coast paintbrush

Castilleja densiflora - dense-flowered owl's-clover

Castilleja exserta - common owl's-clover

Castilleja foliolosa - woolly Indian paintbrush

Collinsia heterophylla – purple Chinese houses

Cordylanthus rigidus – bird's beak

Keckiella cordifolia - heart-leaf penstemon

Linaria canadensis - toadflax

Mimulus aurantiacus - bush monkeyflower

Mimulus aurantiacus var. *pubescens* - bush monkeyflower

Mimulus guttatus - seep monkeyflower

Mimulus pilosus – downy monkeyflower

Penstemon centranthifolius - scarlet bugler

* *Verbascum thapsus* - woolly mullein

* *Verbascum virgatum* - wand mullein

* *Veronica anagallis-aquatica* - water speedwell

SIMAROUBACEAE - QUASSIA FAMILY

* *Ailanthus altissima* - tree of heaven

SOLANACEAE - NIGHTSHADE FAMILY

Datura wrightii - western jimsonweed

* *Nicotiana glauca* - tree tobacco

Nicotiana quadrivalvis – Indian tobacco

* *Solanum americanum* - small-flowered nightshade

Solanum douglasii - white nightshade

* *Solanum eleagnifolium* - silver leaf horse-nettle

* *Solanum sarrachoides* - hairy nightshade

Solanum xanti - chaparral nightshade

TAMARICACEAE - TAMARISK FAMILY

- * *Tamarix* sp. – tamarisk
- * *Tamarix ramoissima* - tamarisk

ULMACEAE - ELM FAMILY

- * *Ulmus pumila* - Siberian elm

URTICACEAE - NETTLE FAMILY

- Hesperocnide tenella* – western nettle
- Parietaria hespera* – western pellitory
- Urtica dioica* - giant creek nettle
- * *Urtica urens* - dwarf nettle

VERBENACEAE - VERVAIN FAMILY

- Verbena lasiostachys* - western verbena

VIOLACEAE – VIOLET FAMILY

- Viola pedunculata* – Johnny jump-ups

VISCACEAE - MISTLETOE FAMILY

- Phoradendron macrophyllum* - big leaf mistletoe
- Phoradendron villosum* - oak mistletoe

VITACEAE - GRAPE FAMILY

- Parthenocissus vitacea* - woodbine, Virginia creeper
- Vitis girdiana* - desert wild grape

ZYGOPHYLLACEAE - CALTROP FAMILY

- * *Tribulus terrestris* - puncture vine

ANGIOSPERMAE (MONOCOTYLEDONES)

ARECACEAE - PALM FAMILY

- * *Washingtonia robusta* - Mexican fan palm

CYPERACEAE - SEDGE FAMILY

- Carex alma* – sturdy sedge
- Carex praegracilis* – clustered field sedge
- Carex* sp. - sedge
- Cyperus eragrostis* - tall cyperus

- Cyperus esculentus* - yellow nut-grass
- * *Cyperus involucratus* - nutsedge
- Cyperus odoratus* - coarse cyperus
- Eleocharis montevidensis* - slender creeping spike-rush
- Eleocharis parishii* – Parish’s spikerush
- Eleocharis rostellata* – beaked spikerush
- Scirpus acutus* - hard-stemmed bulrush
- Scirpus americanus* - winged three-square
- Scirpus maritimus* – alkali bulrush
- Scirpus microcarpus* - bulrush
- Scirpus robustus* - Pacific coast bulrush

JUNCACEAE - RUSH FAMILY

- Juncus* sp. - rush
- Juncus acutus* ssp. *leopoldii* – southwestern spiny rush
- Juncus balticus* - wire rush
- Juncus bufonius* - toad rush
- Juncus longistylis* – rush
- Juncus mexicanus* – Mexican rush
- Juncus rugulosus* - wrinkled rush
- Juncus textilis* - Indian rush
- Juncus torreyi* – rush
- Juncus triformis* - Yosemite dwarf rush
- Juncus xiphioides* - iris-leaved rush

LEMNACEAE - DUCKWEED FAMILY

- Lemna miniscula* - duckweed
- Lemna valdiviana* - duckweed

LILIACEAE - LILY FAMILY

- * *Allium cepa* - onion
- Allium porrum* - onion
- * *Amaryllis bella-donna* - naked lady
- * *Asparagus officinalis* – asparagus
- Bloomeria crocea* – common goldenstar
- Brodiaea terrestris* ssp. *kernensis* – dwarf brodiaea
- Calochortus clavatus* var. *gracilis*- slender mariposa lily
- Calochortus venustus* - mariposa lily

Dichelostemma capitatum - blue dicks
Muilla maritima - common muilla
Yucca whipplei – Our Lord’s candle

POACEAE - GRASS FAMILY

- Achnatherum coronatum* - giant needlegrass
- * *Agrostis* sp. - bentgrass
- * *Agrostis viridis* - water bent
- * *Arundo donax* - giant reed
- * *Avena barbata* - slender oat
- * *Avena fatua* - wild oat
- Avena sativa* – cultivated oat
- Bromus catharticus* - California brome
- Bromus catharticus* var. *catharticus* - California brome
- * *Bromus diandrus* - ripgut grass
- * *Bromus hordeaceus* - soft chess
- * *Bromus madritensis* ssp. *rubens* - foxtail chess
- * *Bromus sterilis* – sterile brome
- * *Bromus tectorum* - cheat grass
- * *Cortaderia jubata* - pampas grass
- * *Crypsis schoenoides* - prickly grass
- * *Cynodon dactylon* - Bermuda grass
- * *Digitaria sanguinalis* - hairy crabgrass
- Distichlis spicata* - salt grass
- * *Echinochloa colonum* - jungle-rice
- Echinochloa crus-galli* - barnyard grass
- * *Eleusine indica* – goose grass
- Elymus glaucus* - western wild-rye
- Elymus multisetus* – big squirreltail
- Eragrostis mexicana* - lovegrass
- * *Festuca arundinacea* - tall fescue
- * *Hordeum marinum* - Mediterranean barley
- * *Hordeum murinum* - glaucous foxtail barley
- * *Lamarckia aurea* - goldentop
- * *Leptochloa uninerva* - Mexican sprangletop
- Leymus condensatus* - giant ryegrass
- Leymus triticoides* - beardless wild rye
- Leptichloa uninervia* - Mexican sprangletop
- * *Lolium multiflorum* – Italian ryegrass
- * *Lolium perenne* - perennial ryegrass

- Melica imperfecta* - California melic
Muhlenbergia asperifolia – scratch-grass
Muhlenbergia microsperma - littleseed muhly
Nassella cernua – nodding needlegrass
Nassella lepida – foothill needlegrass
Nassella pulchra – purple needlegrass
Panicum capillare – western witchgrass
* *Panicum miliaceum* – broom corn millet
* *Parapholis incurve* – sickle grass
Paspalum distichum – knotgrass
* *Phalaris aquatica* – Harding grass
* *Phalaris minor* - Mediterranean canary grass
* *Piptatherum miliaceum* - smilo grass
* *Poa annua* - annual bluegrass
Poa secunda - Malpais bluegrass
* *Polypogon interruptus* - ditch beard grass
* *Polypogon monspeliensis* - rabbit's-foot grass
Schismus barbatus – abumashi
Sorghum bicolor – sorghum
Sorghum halepense – Johnsongrass
Sporobolus airoides – alkali scation
* *Triticum aestivum* – cultivated wheat
Vulpia microstachys - fescue
* *Vulpia myuros* - rattail fescue
Vulpia octoflora - six-weeks fescue

POTAMOGETONACEAE - PONDWEED FAMILY

Potamogeton foliosus - leafy pondweed

TYPHACEAE - CATTAIL FAMILY

Typha domingensis - slender cattail

Typha latifolia - broad-leaved cattail

* signifies introduced (non-native) species