

## Appendix D.1a Floral and Faunal Compendia

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**APPENDIX D.1a**  
**FLORAL AND FAUNAL COMPENDIA**

**INTRODUCTION TO FLORAL AND FAUNAL SURVEY**

Expected site use by wildlife is derived from survey information combined with documented habitat preferences of regional wildlife species, which, whether or not recorded during the survey, are considered likely to include the project area within their range.

Habitat designations used in this report are according to the classification system of Holland (1986). Floral taxonomy used in this report follows the Jepson Manual (Hickman 1993), with updates in accordance to the online Jepson Interchange where known. Common plant names, where not available from Munz (1974), are taken from Abrams (1923), Robbins, *et al.* (1951), Collins (1972), Niehaus and Ripper (1976) and Muns (1983). Vertebrates identified in the field by sight, calls, tracks, scat or other signs are cited according to the nomenclature of Jennings (1983) for amphibians and reptiles; AOU (1983) for birds; and Jones, *et al.* (1982) for mammals.

Butterflies observed or collected in the field were identified with the help of Garth and Tilden (1986) and Tilden and Smith (1986).



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**CARYOPHYLLACEAE - PINK FAMILY**

\* *Stellaria media* common chickweed

**CHENOPODIACEAE - GOOSEFOOT FAMILY**

\* *Chenopodium berlandieri* pitseed goosefoot  
\* *Salsola tragus* Russian-thistle

**CUCURBITACEAE - GOURD FAMILY**

*Marah macrocarpus* wild cucumber

**EUPHORBIACEAE - SPURGE FAMILY**

\* *Euphorbia peplus* petty spurge  
\* *Ricinus communis* castor-bean

**FABACEAE - PEA FAMILY**

\* *Acacia dealbata* mimosa acacia, silver wattle  
*Lupinus excubitus* interior bush lupine  
\* *Melilotus indicus* yellow sweet-clover

**FAGACEAE - OAK FAMILY**

*Quercus agrifolia* coast live oak

**GERANIACEAE - GERANIUM FAMILY**

\* *Erodium cicutarium* red-stemmed filaree  
\* *Erodium moschatum* white-stemmed filaree  
*Erodium texanum* Texas storks-bill

**HYDROPHYLLACEAE - WATERLEAF FAMILY**

*Pholistoma auritum* blue fiesta flower

**JUGLANDACEAE - WALNUT FAMILY**

*Juglans californica* California black walnut

**LAMIACEAE - MINT FAMILY**

\* *Marrubium vulgare* horehound

**MALVACEAE - MALLOW FAMILY**

\* *Malva parviflora* cheeseweed

**OLEACEAE - OLIVE FAMILY**

\* *Ligustrum* sp. privet

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**PITTOSPORACEAE - PITTOSPORUM**

\* *Pittosporum undulatum* Victorian box

**ROSACEAE - ROSE FAMILY**

\* *Cotoneaster* sp. cotoneaster  
*Heteromeles arbutifolia* toyon

**RUBIACEAE - MADDER FAMILY**

\* *Galium aparine* goose grass

**SOLANACEAE - NIGHTSHADE FAMILY**

\* *Nicotiana glauca* tree tobacco

**ULMACEAE - ELM FAMILY**

\* *Ulmus parvifolia* Chinese elm

**URTICACEAE - NETTLE FAMILY**

\* *Urtica urens* dwarf nettle

**ANGIOSPERMAE (MONOCOTYLEDONS)**

**AGAVACEAE – AGAVE FAMILY**

\* *Agave americana* century plant  
\* *Yucca aloifolia* Spanish bayonet.

**ARECACEAE - PALM FAMILY**

@ *Washingtonia filifera* California fan palm

**LILIACEAE - LILY FAMILY**

\* *Yucca aloifolia* Spanish bayonet

**POACEAE - GRASS FAMILY**

\* *Avena barbata* slender wild oat  
\* *Avena fatua* common wild oat  
\* *Bromus diandrus* ripgut grass  
*Leymus condensatus* giant wild rye  
\* *Hordeum murinum* hare barley

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## FAUNAL COMPENDIUM

### LEGEND

O Observed - Presence noted by direct sighting, call identification or observation of tracks, scat or other signs.

\* Nonnative

### ALL WILDLIFE

This list includes species that were observed on the site and species that can reasonably be expected to occur there. The determination of potential occurrence is based on the range of the species and the habitat preferences of the species.

### BIRDS

Only birds likely to utilize the site on an extended or regular basis are noted as expected to occur on the site. This includes species that may forage on the site during migration. Species that may occur on the site as rare incidental visitors, but for which the site does not provide substantial resources, are not included.

### BUTTERFLIES

#### **NYMPHALIDAE - BRUSH-FOOTED BUTTERFLIES**

	<i>Nymphalis antiopa</i>	Mourning Cloak
O*	<i>Vanessa atalanta</i>	Red Admiral
	<i>Vanessa cardui</i>	Painted Lady

#### **PAPILIONIDAE - SWALLOWTAILS & PARNASSIANS**

	<i>Papilio rutulus</i>	Western Tiger Swallowtail
	<i>Papilio eurymedon</i>	Pale Swallowtail
	<i>Papilio zelicaon zelicaon</i>	Anise Swallowtail

#### **PIERIDAE - WHITES, SULFURS, MARBLES, AND ORANGE TIPS**

	<i>Artogeia rapae</i>	Cabbage Butterfly
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#### **LYCAENIDAE - HAIRSTREAKS, COPPERS AND BLUES**

	<i>Strymon melinus pudica</i>	Common Hairstreak
	<i>Apodemia mormo virgulti</i>	Behr's Metalmark

#### **HESPERIIDAE - SKIPPERS**

	<i>Hylephilia phyleus</i>	Fiery Skipper
	<i>Erynnis tristis tristis</i>	Mournful Duskywing

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**TERRESTRIAL VERTEBRATES**

**AMPHIBIANS**

**PLETHODONTIDAE - LUNGLESS SALAMANDERS**

*Batrachoseps nigriventris*                      black-bellied slender salamander

**BUFONIDAE - TRUE TOADS**

*Anaxyrus boreas*                                      western toad

**REPTILES**

**PHRYNOSOMATIDAE**

- O    *Sceloporus occidentalis*                      western fence lizard
- O    *Uta stansburiana*                                  side-blotched lizard

**SCINCIDAE - SKINKS**

- O    *Plestidon skiltonianus*                              western skink

**TEIIDAE - WHIPTAIL LIZARDS**

*Aspidoscelis tigris stejnegeri*                      coastal western whiptail

**ANGUIDAE - ALLIGATOR LIZARDS**

- O    *Elgaria multicarinatus*                              southern alligator lizard

**ANNIELLIDAE - CALIFORNIA LEGLESS LIZARDS**

*Anniella pulchra*                                      California legless lizard

**COLUBRIDAE - COLUBRID SNAKES**

*Diadophis punctatus*                                  ringneck snake  
*Lampropeltis getula*                                  common kingsnake  
*Pituophis catenifer*                                  gopher snake

**VIPERIDAE - VIPERS**

*Crotalus oreganus helleri*                              Southern Pacific rattlesnake

**BIRDS**

**CATHARTIDAE - NEW WORLD VULTURES**

*Cathartes aura*    turkey vulture

**ACCIPITRIDAE - HAWKS**

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	<i>Accipiter striatus</i>	sharp-shinned hawk
	<i>Accipiter cooperii</i>	Cooper's hawk
	<i>Buteo lineatus</i>	red-shouldered hawk
O	<i>Buteo jamaicensis</i>	red-tailed hawk

#### FALCONIDAE - FALCONS

	<i>Falco sparverius</i>	American kestrel
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#### PHASIANIDAE - PHEASANTS & QUAILS

O	<i>Callipepla californica</i>	California quail
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#### CHARADRIIDAE - PLOVERS

	<i>Charadrius vociferus</i>	killdeer
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#### COLUMBIDAE - PIGEONS & DOVES

O*	<i>Columba livia</i>	rock dove
	<i>Patagioenas fasciata</i>	band-tailed pigeon
O	<i>Zenaida macroura</i>	mourning dove

#### CUCULIDAE - CUCKOOS & ROADRUNNERS

	<i>Geococcyx californianus</i>	greater roadrunner
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#### TYTONIDAE - BARN OWLS

	<i>Tyto alba</i>	common barn-owl
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#### STRIGIDAE - TRUE OWLS

	<i>Megascops kennicottii</i>	western screech-owl
	<i>Bubo virginianus</i>	great horned owl

#### APODIDAE - SWIFTS

	<i>Aeronautes saxatalis</i>	white-throated swift
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#### TROCHILIDAE - HUMMINGBIRDS

	<i>Archilochus alexandri</i>	black-chinned hummingbird
O	<i>Calypte anna</i>	Anna's hummingbird
	<i>Calypte costae</i>	Costa's hummingbird
	<i>Stellula calliope</i>	calliope hummingbird
O	<i>Selasphorus rufus</i>	rufous hummingbird
O	<i>Selasphorus sasin</i>	Allen's hummingbird

#### PICIDAE - WOODPECKERS

	<i>Melanerpes formicivorus</i>	acorn woodpecker
O	<i>Picoides nuttallii</i>	Nuttall's woodpecker
O	<i>Colaptes auratus</i>	northern flicker

#### TYRANNIDAE - TYRANT FLYCATCHERS



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O	<i>Empidonax difficilis</i>	Pacific slope flycatcher
	<i>Sayornis nigricans</i>	black phoebe
	<i>Sayornis saya</i>	Say's phoebe
	<i>Myiarchus cinerascens</i>	ash-throated flycatcher
	<i>Tyrannus verticalis</i>	western kingbird

#### HIRUNDINIDAE - SWALLOWS

<i>Tachycineta thalassina</i>	violet-green swallow
<i>Petrochelidon pyrrhonota</i>	cliff swallow
<i>Hirundo rustica</i>	barn swallow

#### CORVIDAE - JAYS & CROWS

O	<i>Apelocoma californica</i>	western scrub jay
O	<i>Corvus brachyrhynchos</i>	American crow
	<i>Corvus corax</i>	common raven

#### PARIDAE - TITMICE

O	<i>Baeolophus inornatus</i>	oak titmouse
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#### AEGITHALIDAE - BUSHTITS

O	<i>Psaltriparus minimus</i>	bushtit
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#### TROGLODYTIDAE - WRENS

O	<i>Thryomanes bewickii</i>	Bewick's wren
O	<i>Troglodytes aedon</i>	house wren

#### MUSCICAPIDAE - KINGLETS GNATCATCHERS, THRUSHES & BABBLERS

<i>Regulus satrapa</i>	golden-crowned kinglet
<i>Regulus calendula</i>	ruby-crowned kinglet
<i>Polioptila caerulea</i>	blue-gray gnatcatcher
<i>Turdus migratorius</i>	American robin
<i>Chamaea fasciata</i>	wrentit

#### MIMIDAE - THRASHERS

O	<i>Mimus polyglottos</i>	northern mockingbird
	<i>Toxostoma redivivum</i>	California thrasher

#### PTILOGONATIDAE - SILKY-FLYCATCHERS

<i>Phainopepla nitens</i>	phainopepla
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#### STURNIDAE - STARLINGS

*	<i>Sturnus vulgaris</i>	European starling
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#### EMBERIZIDAE - WOOD WARBLERS, TANAGERS, BUNTINGS & BLACKBIRDS

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	<i>Oreothlypis celata</i>	orange-crowned warbler
O	<i>Dendroiea coronata</i>	yellow-rumped warbler
	<i>Dendroiea nigrescens</i>	black-throated gray warbler
	<i>Dendroiea occidentalis</i>	hermit warbler
	<i>Pheucticus melanocephalus</i>	black-headed grosbeak
O	<i>Pipilo maculatus</i>	spotted towhee
O	<i>Melospiza crissalis</i>	California towhee
	<i>Spizella passerina</i>	chipping sparrow
	<i>Ammodramus savannarum</i>	grasshopper sparrow
O	<i>Melospiza melodia</i>	song sparrow
	<i>Zonotrichia atricapilla</i>	golden-crowned sparrow
O	<i>Zonotrichia leucophrys</i>	white-crowned sparrow
	<i>Junco hyemalis</i>	dark-eyed junco

#### ICTERIDAE – BLACKBIRDS

	<i>Sturnella neglecta</i>	western meadowlark
	<i>Icterus cucullatus</i>	hooded oriole
	<i>Icterus bullockii</i>	Bullock's oriole

#### FRINGILLIDAE - FINCHES

O	<i>Carpodacus mexicanus</i>	house finch
O	<i>Spinus psaltria</i>	lesser goldfinch
	<i>Spinus lawrencei</i>	Lawrence's goldfinch
	<i>Spinus tristis</i>	American goldfinch

#### PASSERIDAE - OLD WORLD SPARROWS

*	<i>Passer domesticus</i>	house sparrow
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## MAMMALS

### **DIDELPHIDAE - NEW WORLD OPOSSUMS**

\* *Didelphis virginiana* Virginia opossum

### **PHYLLOSTOMIDAE - LEAF-NOSED BATS<sup>2</sup>**

*Macrotus californicus* California leaf-nosed bat

### **VESPERTILIONIDAE - EVENING BATS**

<i>Myotis lucifugus</i>	little brown myotis
<i>Myotis yumanensis</i>	Yuma myotis
<i>Myotis evotis</i>	long-eared myotis
<i>Myotis thysanodes</i>	fringed myotis
<i>Myotis volans</i>	long-legged myotis
<i>Myotis californicus</i>	California myotis
<i>Myotis ciliolabrus</i>	small-footed myotis
<i>Pipistrellus hesperus</i>	western pipistrelle
<i>Eptesicus fuscus</i>	big brown bat
<i>Lasiurus blossevilli</i>	western red bat
<i>Lasiurus cinereus</i>	hoary bat
<i>Corynorhinus townsendii</i>	Townsend's big-eared bat
<i>Antrozous pallidus</i>	pallid bat

### **MOLOSSIDAE - FREE-TAILED BATS**

<i>Tadarida brasiliensis</i>	Brazilian free-tailed bat
<i>Tadarida femorosacca</i>	pocketed free-tailed bat
<i>Eumops perotis</i>	western mastiff bat

### **LEPORIDAE - HARES & RABBITS**

*Sylvilagus bachmani* brush rabbit

### **SCIURIDAE - SQUIRRELS**

\*O *Sciurus niger* fox squirrel

### **GEOMYIDAE - POCKET GOPHERS**

O *Thomomys bottae* Botta's pocket gopher

### **HETEROMYIDAE - POCKET MICE & KANGAROO RATS**

*Chaetodipus californicus* California pocket mouse

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<sup>2</sup> The site is within the range of a number of bat species in several families, but it is unlikely that all are present. As their distribution varies according to season, and as the precise habitat requirements of each species are not well known, it is difficult to determine which species are present on the property.

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## MURIDAE RATS & MICE

	<i>Peromyscus californicus</i>	California mouse
O	<i>Peromyscus maniculatus</i>	deer mouse
O	<i>Neotoma fuscipes</i>	dusky-footed woodrat
	<i>Microtus californicus</i>	California vole
*	<i>Rattus rattus</i>	black rat
*	<i>Rattus norvegicus</i>	Norway rat
*	<i>Mus musculus</i>	house mouse

## CANIDAE - WOLVES & FOXES

O	<i>Canis latrans</i>	coyote
*O	<i>Canis familiaris</i>	domestic dog
O	<i>Urocyon cinereoargenteus</i>	gray fox

## PROCYONIDAE - RACCOONS

	<i>Procyon lotor</i>	raccoon
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## MUSTELIDAE - WEASELS, SKUNKS & OTTERS

	<i>Mustela frenata</i>	long-tailed weasel
	<i>Taxidea taxus</i>	badger
	<i>Spilogale putorius</i>	western spotted skunk
	<i>Mephitis mephitis</i>	striped skunk

## FELIDAE - CATS

*	<i>Felis catus</i>	domestic cat
	<i>Lynx rufus</i>	bobcat

## CERVIDAE - DEER

O	<i>Odocoileus hemionus</i>	mule deer
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