

Appendix D.1a Floral and Faunal Compendia

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).

FLORAL COMPENDIUM¹

LEGEND

- * **Nonnative**
@ **Ornamental/Landscape**

VASCULAR PLANTS

CONIFERAE

PINACEAE - PINE FAMILY

- * *Pinus halepensis* Aleppo Pine

ANGIOSPERMAE (DICOTYLEDONS)

ANACARDIACEAE - SUMAC FAMILY

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

APOCYNACEAE - DOGBANE FAMILY

- * *Vinca major* periwinkle
* *Nerium oleander* oleander

ASTERACEAE - SUNFLOWER FAMILY

- Baccharis pilularis* coyote brush
 Baccharis salicifolia mulefat
 Helianthus gracilentus slender sunflower
* *Picris echioides* bristly ox-tongue
* *Silybum marianum* milk thistle
* *Sonchus asper* prickly sow-thistle
* *Sonchus oleraceus* common sow-thistle
 Stephanomeria virgata twiggy wreathplant

BRASSICACEAE - MUSTARD FAMILY

- * *Brassica nigra* black mustard
* *Sisymbrium officinale* hedge-mustard

CAPRIFOLIACEAE - HONEYSUCKLE FAMILY

- Sambucus. nigra. subsp. caerulea* blue elderberry

¹ This is not intended as an exhaustive listing of the vegetation occurring on the site; some annual herbs or very uncommon species may not have been detected by the field survey.

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

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

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>Venessa 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

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

	<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

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

	<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 BATS²

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

² 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.

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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