

**APPENDIX C**  
**Project Area Plant and Wildlife Species Observed or Detected**

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**VASCULAR PLANT SPECIES**

**SPHENOPSIDS**

**EQUISETACEAE**

*Equisetum hyemale* spp. *affine* – rough horsetail

**FERNS**

**AZOLLACEAE – MOSQUITO FERN FAMILY**

*Azolla filiculoides* – Pacific mosquito fern

**ANGIOSPERMS (DICOTS)**

**ACERACEAE – MAPLE FAMILY**

*Acer negundo* var. *californicum* – box elder

**AMARANTHACEAE – AMARANTH FAMILY**

*Amaranthus blitoides* – prostrate amaranth

*Amaranthus* sp. – amaranth

**ANACARDIACEAE – SUMAC FAMILY**

*Toxicodendron diversilobum* – western poison oak

**APIACEAE – CARROT FAMILY**

*Eryngium castrense* – coyote thistle

\* *Torilis arvensis* – hedge parsley

\* *Torilis nodosus* – knotted hedge parsley

**ASCLEPIADACEAE – MILKWEED FAMILY**

*Asclepias fascicularis* – narrow-leaf milkweed

**ASTERACEAE – SUNFLOWER FAMILY**

*Achyrachaena mollis* – blow-wives

*Ambrosia psilostachya* – western ragweed

*Aster subulatus* var. *ligatus* – slim aster

\* *Bidens frondosa* – stickweed

\* *Centaurea solstitialis* – yellow-star-thistle

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- Centromadia* [=*Hemizonia*] *fitchii* – Fitch’s spikeweed
- \* *Conyza floridunda* – tropical horseweed
  - Conyza canadensis* – horseweed
  - Eclipta prostrate* – false daisy
  - Euthamia occidentalis* – western goldenrod
  - Grindelia camporum* var. *bracteosum* – rayless gumplant
  - \* *Lactuca serriola* – prickly lettuce
  - \* *Picris echioides* – bristly ox-tongue
  - Psilocarphus brevissimus* var. *brevissimus* – dwarf woolly-heads, woolly marbles
  - \* *Senecio vulgaris* – common groundsel
  - \* *Silybum marianum* – milk thistle
  - \* *Sonchus asper* – prickly sow thistle
  - Xanthium strumarium* – cocklebur

### **BORAGINACEAE – BORAGE FAMILY**

*Plagiobothrys stipitatus* var. *micrantha* – stipitate popcornflower

### **BRASSICACEAE – MUSTARD FAMILY**

- \* *Brassica nigra* – black mustard
- \* *Hirschfeldia incana* – short-pod mustard

### **CAPRIFOLIACEAE – HONEYSUCKLE FAMILY**

*Sambucus mexicana* – blue elderberry

### **CERATOPHYLLACEAE – HORNWORT FAMILY**

*Ceratophyllum demersum* – coontail, hornwort

### **CHENOPODIACEAE – GOOSEFOOT FAMILY**

- \* *Salsola tragus* – Russian thistle, tumbleweed

### **CONVOLVULACEAE – MORNING-GLORY FAMILY**

- \* *Convolvulus arvensis* – bindweed, orchard morning-glory
- Cressa truxillensis* – alkali weed

### **CRASSULACEAE – STONECROP FAMILY**

*Crassula aquatica* – water pygmy-weed

### **EUPHORBIACEAE – SPURGE FAMILY**

- \* *Chamaesyce maculata* – spotted spurge
- Eremocarpus setigerus* – doveweed

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### FABACEAE – PEA FAMILY

- \* *Lotus corniculatus* – birdfoot lotus
- \* *Medicago polymorpha* – California burclover
- \* *Melilotus albus* – white sweetclover
- \* *Trifolium hirtum* – rose clover
- \* *Vicia sativa* – spring vetch

### FAGACEAE – OAK FAMILY

*Quercus lobata* – valley oak, roble

### GERANIACEAE – GERANIUM FAMILY

- \* *Erodium cicutarium* – red-stemmed filaree/storksbill
- \* *Geranium dissectum* – cut-leaved geranium

### JUGLANDACEAE – WALNUT FAMILY

*Juglans californica* var. *hindsii* – California black walnut

### LYTHRACEAE – LOOSESTRIFE FAMILY

- Ammannia robusta* – grand ammannia  
*Lythrum californicum* – California loosestrife
- \* *Lythrum hyssopifolia* – grass poly

### MALVACEAE – MALLOW FAMILY

- \* *Abutilon theophrasti* – velvet-leaf
  - \* *Malva neglecta* – common mallow
- Malvella leprosa* – alkali-mallow, whiteweed

### MORACEAE – MULBERRY FAMILY

- \* *Ficus carica* – edible fig

### MYRTACEAE – MYRTLE FAMILY

- \* *Eucalyptus camaldulensis* – red gum, river red gum
- \* *Eucalyptus globulus* – blue gum

### OLEACEAE – OLIVE FAMILY

*Fraxinus latifolia* – Oregon ash

### ONAGRACEAE – EVENING-PRIMROSE FAMILY

- Epilobium ciliatum* ssp. *ciliatum* – willow herb  
*Ludwigia peploides* ssp. *montevidensis* – floating water-primrose

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### PLANTAGINACEAE – PLANTAIN FAMILY

- \* *Plantago lanceolata* – English plantain
- \* *Plantago coronopus* – buckhorn plantain

### POLYGONACEAE – BUCKWHEAT FAMILY

- \* *Polygonum arenastrum* – common knotweed, doorweed
- Polygonum lapathifolium* – willow weed
- \* *Polygonum pensylvanicum* – willow smartweed
- Polygonum punctatum* – punctuate smartweed
- \* *Rumex crispus* – curly dock
- \* *Rumex pulcher* – fiddle dock

### ROSACEAE – ROSE FAMILY

- Rubus ursinus* – California blackberry
- Rubus armeniacus* – Himalayan blackberry

### SALICACEAE – WILLOW FAMILY

- Populus fremontii* ssp. *fremontii* – alamo or Fremont cottonwood
- Salix gooddingii* – Goodding's black willow
- Salix exigua* – sandbar willow
- Salix lasiolepis* – arroyo willow

### SCROPHULARIACEAE – FIGWORT FAMILY

- \* *Kickxia spuria* – flullein
- Veronica peregrine* ssp. *xalapensis* – purslane speedwell

### SOLANACEAE – NIGHTSHADE FAMILY

- \* *Solanum americanum* – white nightshade

### VERBENACEAE – VERVAIN FAMILY

- \* *Verbena bonariensis* – purpletop vervain

### VITACEAE – GRAPE FAMILY

- \* *Vitis vinifera* – cultivated grape

### ZYGOPHYLLACEAE – CALTROP FAMILY

- \* *Tribulus terrestris* – puncture vine

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### ANGIOSPERMS (MONOCOTS)

#### ALISMATACEAE – WATER PLANTAIN FAMILY

- \* *Alisma lanceolatum* – lanceleaf water plantain
- \* *Alisma plantago-aquatica* – water plantain
- Echinodorus berteroi* – burhead

#### CYPERACEAE – SEDGE FAMILY

- Cyperus erythrorhizos* – red-root flatsedge
- Cyperus esculentus* – yellow nutsedge
- \* *Cyperus difformis* – nutsedge
- \* *Cyperus flavicomus* – whiteedge flatsedge
- Cyperus eragrostis* – umbrella-sedge
- Cyperus odoratus* – fragrant flatsedge
- Scirpus acutus* var. *occidentalis* – viscid bulrush
- Scirpus mucronatus* – ricefield bulrush

#### HYDROCHARITACEAE

- Elodea Canadensis* – Canadian pondweed

#### JUNCACEAE – RUSH FAMILY

- Juncus bufonius* var. *bufonius* – toad rush
- Juncus effusus* var. *pacificus* – bog rush

#### LEMNACEAE – DUCKWEED FAMILY

- Lemna minuta* – minute duckweed

#### LILIACEAE – LILY FAMILY

- Brodiaea* sp. – brodiaea

#### POACEAE – GRASS FAMILY

- Aegilops triuncialis* – barbed goatgrass
- Agrostis* sp. – bent
- \* *Avena barbata* – slender wild oat
- \* *Bromus diandrus* – ripgut grass
- \* *Bromus hordeaceus* – soft chess
- \* *Bromus madritensis* – foxtail chess
- Crypsis* sp. – pricklegrass
- \* *Cynodon dactylon* – Bermuda grass

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- Distichlis spicata* – saltgrass
- \* *Echinochloa crus-galli* – common barnyard grass
  - \* *Echinochloa colona* – jungle-rice
  - \* *Hordeum murinum* – barley
  - Leptochloa fascicularis* – bearded sprangletop
  - \* *Lolium multiflorum* – Italian ryegrass
  - \* *Oryza sativa* – cultivated rice
  - \* *Paspalum dilatatum* – dallis grass
  - \* *Phalaris aquatica* – bulbous canarygrass
  - \* *Poa annua* – annual bluegrass
  - \* *Polypogon interruptus* – ditch rabbitsfoot grass
  - \* *Polypogon monspeliensis* – annual beard grass
  - \* *Setaria pumila* – yellow foxtail
  - \* *Sorghum halapense* – Johnsongrass
  - \* *Taeniatherum caput-medusae* – medusa-head
  - \* *Vulpia bromoides* – foxtail fescue

### POTAMOGETONACEAE – PONDWEED FAMILY

- Potamogeton foliosus* – leafy pondweed  
*Potamogeton nodosus* – long-leaved pondweed

### TYPHACEAE – CATTAIL FAMILY

- Typha angustifolia* – narrow-leaved cattail  
*Typha latifolia* – broad-leaved cattail

## WILDLIFE SPECIES -VERTEBRATES

### AMPHIBIANS

#### RANIDAE – TRUE FROGS

- \* *Rana catesbeiana* – bullfrog

### REPTILES

#### IGUANIDAE – IGUANID LIZARDS

- Sceloporus occidentalis* – western fence lizard

#### COLUBRIDAE – COLUBRID SNAKES

- Thamnophis sirtalis* – common garter snake

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### BIRDS

#### PODICIPEDIDAE – GREBES

*Podilymbus podiceps* – pied-billed grebe

#### PELECANIDAE – PELICANS

*Pelecanus erythrorhynchos* – American white pelican

#### PHALACROCORACIDAE – CORMORANTS

*Phalacrocorax auritus* – double-crested cormorant

#### ARDEIDAE – HERONS

*Ardea herodias* – great blue heron

*Botaurus lentiginosus* – American bittern

*Butorides virescens* – green heron

*Ardea alba* – great egret

*Egretta thula* – snowy egret

#### THRESKIORNITHIDAE – IBISES

*Plegadis chihi* – white-faced ibis

#### ANATIDAE – WATERFOWL

*Aix sponsa* – wood duck

*Anas platyrhynchos* – mallard

*Anas strepera* – gadwall

*Branta canadensis* – Canada goose

*Mergus merganser* – common merganser

#### CATHARTIDAE – NEW WORLD VULTURES

*Cathartes aura* – turkey vulture

#### ACCIPITRIDAE – HAWKS

*Buteo jamaicensis* – red-tailed hawk

*Buteo lineatus* – red-shouldered hawk

*Buteo swainsoni* – Swainson's hawk

*Circus cyaneus* – northern harrier

*Elanus leucurus* – white-tailed kite

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### FALCONIDAE – FALCONS

*Falco sparverius* – American kestrel

### PHASIANIDAE – PHEASANTS AND QUAILS

*Callipepla californica* – California quail

*Phasianus colchicus* – ring-necked pheasant

### CHARADRIIDAE – PLOVERS

*Charadrius vociferus* – killdeer

### SCOLOPACIDAE – SANDPIPERS

*Actitis macularius* – spotted sandpiper

### COLUMBIDAE – PIGEONS AND DOVES

\* *Columba livia* – rock dove

*Zenaida macroura* – mourning dove

### STRIGIDAE – TRUE OWLS

*Bubo virginianus* – great horned owl

### TROCHILIDAE – HUMMINGBIRDS

*Calypte anna* – Anna's hummingbird

### ALCEDINIDAE – KINGFISHERS

*Ceryle alcyon* – belted kingfisher

### PICIDAE – WOODPECKERS

*Picoides nuttallii* – Nuttall's woodpecker

*Picoides pubescens* – downy woodpecker

### TYRANNIDAE – TYRANT FLYCATCHERS

*Empidonax traillii* – willow flycatcher

*Sayornis nigricans* – black phoebe

*Tyrannus verticalis* – western kingbird

### HIRUNDINIDAE – SWALLOWS

*Hirundo rustica* – barn swallow

*Petrochelidon pyrrhonota* – cliff swallow



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*Tachycineta bicolor* – tree swallow

*Tachycineta thalassina* – violet-green swallow

### **CORVIDAE – JAYS AND CROWS**

*Aphelocoma californica* – western scrub-jay

*Pica nuttalli* – yellow-billed magpie

*Corvus brachyrhynchos* – American Crow

*Corvus corax* – Common raven

### **PARIDAE – TITMICE**

*Baeolophus inornatus* – oak titmouse

### **TROGLODYTIDAE – WRENS**

*Cistothorus palustris* – marsh wren

*Thryomanes bewickii* – Bewick's wren

### **TURDIDAE – THRUSHES AND BABBLERS**

*Turdus migratorius* – American robin

### **MIMIDAE – THRASHERS**

*Mimus polyglottos* – northern mockingbird

### **LANIIDAE – SHRIKES**

*Lanius ludovicianus* – loggerhead shrike

### **STURNIDAE – STARLINGS**

\* *Sturnus vulgaris* – European starling

### **PARULIDAE – WOOD WARBLERS**

*Dendroica petechia* – yellow warbler

*Geothlypis trichas* – common yellowthroat

*Vermivora celata* – orange-crowned warbler

*Wilsonia pusilla* – Wilson's warbler

### **EMBERIZIDAE – BUNTINGS AND SPARROWS**

*Melospiza melodia* – song sparrow

*Passerculus sandwichensis* – Savannah sparrow

*Pipilo crissalis* – California towhee

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### ICTERIDAE – BLACKBIRDS AND ORIOLES

- Agelaius phoeniceus* – red-winged blackbird
- Euphagus cyanocephalus* – Brewer's blackbird
- Icterus bullockii* – Bullock's oriole
- Molothrus ater* – brown-headed cowbird
- Quiscalus mexicanus* – great-tailed grackle
- Sturnella neglecta* – western meadowlark

### FRINGILLIDAE – FINCHES

- Carpodacus mexicanus* – house finch
- Carduelis psaltria* – lesser goldfinch
- Carduelis tristis* – American goldfinch

### PASSERIDAE – OLD WORLD SPARROWS

- \* *Passer domesticus* – house sparrow

## MAMMALS

### SCIURIDAE – SQUIRRELS

- Spermophilus beecheyi* – California ground squirrel

### MURIDAE – RATS AND MICE

- Microtis californicus* – California vole

### CANIDAE – WOLVES AND FOXES

- Canis latrans* – coyote

### PROCYONIDAE – RACCOONS AND RELATIVES

- Procyon lotor* – common raccoon

- \* signifies introduced (non-native) species