

APPENDIX C
Project Area Plant and Wildlife Species Observed or Detected

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

Achyraea mollis – blow-wives

Ambrosia psilostachya – western ragweed

Aster subulatus var. *ligatus* – slim aster

* *Bidens frondosa* – stickweed

* *Centaurea solstitialis* – yellow-star-thistle

APPENDIX C (Continued)

- 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

APPENDIX C (Continued)

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

APPENDIX C (Continued)

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

APPENDIX C (Continued)

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

APPENDIX C (Continued)

- 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

APPENDIX C (Continued)

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

APPENDIX C (Continued)

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

APPENDIX C (Continued)

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

APPENDIX C (Continued)

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