

## APPENDIX E

### Wildlife Survey Results

**Table E-1.** Site 300 wildlife species list. Includes species for which there are verified observations; it is not intended to be a complete list of Site 300 species.

Taxa	Common Name	Scientific Name	Regulatory Status <sup>(a)</sup>	Source
<b>Mammals</b>	Pallid bat	<i>Antrozous pallidus</i>	CASCS	Rainey 2003
	Western red bat	<i>Lasiurus blossevillii</i>		Rainey 2003
	Hoary bat	<i>Lasiurus cinereus</i>		Rainey 2003
	California myotis	<i>Myotis californicus</i>		Rainey 2003
	Western pipistrelle	<i>Pipistrellus hesperus</i>		Rainey 2003
	Brazilian free-tailed bat	<i>Tadarida brasiliensis</i>		Rainey 2003
	Desert cottontail	<i>Sylvilagus audubonii</i>		LLNL 2002; Clark et al. 2002
	Black-tailed jackrabbit	<i>Lepus californicus</i>		LLNL 2002; Clark et al. 2002
	Heermann's kangaroo rat	<i>Dipodomys heermanni</i>		LLNL 2002; West 2002
	California pocket mouse	<i>Chaetodipus californicus</i>	CASCS	LLNL 2002; West 2002
	San Joaquin pocket mouse	<i>Perognathus inornatus</i>		Clark et al. 2002
	California ground squirrel	<i>Spermophilus beecheyi</i>		LLNL 2002
	Valley pocket gopher	<i>Thomomys bottae</i>		LLNL 2002; West 2002
	California vole	<i>Microtus californicus</i>		LLNL 2002; West 2002
	House mouse	<i>Mus musculus</i>		LLNL 2002; West 2002
	Dusky-footed woodrat	<i>Neotoma fuscipes</i>		LLNL 2002; West 2002
	Brush mouse	<i>Peromyscus boylii</i>		LLNL 2002; West 2002
	Deer mouse	<i>Peromyscus maniculatus</i>		LLNL 2002; West 2002
	Western harvest mouse	<i>Reithrodontomys megalotis</i>		LLNL 2002; West 2002
	Coyote	<i>Canis latrans</i>		LLNL 2002; Clark et al. 2002
	Raccoon	<i>Procyon lotor</i>		LLNL 2002; Orloff 1986
	Long-tailed weasel	<i>Mustela frenata</i>		LLNL 2002 ; Orloff 1986
	Striped skunk	<i>Mephitis mephitis</i>		LLNL 2002; Orloff 1986
	Western spotted skunk	<i>Spilogale gracilis</i>		LLNL 2002; Orloff 1986
	American badger	<i>Taxidea taxus</i>	CASCS	LLNL 2002; Clark et al. 2002
	Bobcat	<i>Lynx rufus</i>		LLNL 2002; Clark et al. 2002
	Mountain Lion	<i>Felis concolor</i>		LLNL 2002
	Mule deer	<i>Odocoileus hemionus</i>		LLNL 2002; Clark et al. 2002
	Wild pig	<i>Sus scrofa</i>		LLNL 2002; Clark et al. 2002
	<b>Herpetofauna</b>	Arboreal salamander	<i>Aneides lugubris</i>	
California tiger salamander		<i>Ambystoma californiense</i>	FT, CASCS	LLNL 2002
California red-legged frog		<i>Rana aurora draytonii</i>	FT, CASCS	LLNL 2002
Pacific tree frog		<i>Hyla regilla</i>		LLNL 2002

**Table E-1 (cont.).** Site 300 wildlife species list. Includes species for which there are verified observations; it is not intended to be a complete list of Site 300 species.

Taxa	Common Name	Scientific Name	Regulatory Status <sup>(a)</sup>	Source
<b>Herpetofauna (cont.)</b>	Western spadefoot toad	<i>Spea hammondi</i>	CASCS	LLNL 2002
	Western toad	<i>Bufo boreas</i>		LLNL 2002
	Alameda whipsnake	<i>Masticophis lateralis euryxanthus</i>	FT, ST	Swaim 2002
	San Joaquin coachwhip	<i>Masticophis flagellum</i>	CASCS	LLNL 2002
	Coast horned lizard	<i>Phrynosoma coronatum</i>	CASCS	LLNL 2002
	California legless lizard	<i>Anniella pulchra</i>	CASCS	Swaim 2002
	Side-blotched lizard	<i>Uta stansburiana</i>		LLNL 2002; Swaim 2002
	Western whiptail	<i>Cnemidophorus tigris</i>		LLNL 2002; Swaim 2002
	Western fence lizard	<i>Sceloporus occidentalis</i>		LLNL 2002; Swaim 2002
	Western skink	<i>Eumeces skiltonianus</i>		LLNL 2002; Swaim 2002
	Gilbert skink	<i>Eumeces gilberti</i>		LLNL 2002; Swaim 2002
	Southern alligator lizard	<i>Gerrhonotus multicarinatus</i>		LLNL 2002; Swaim 2002
	Western yellow bellied racer	<i>Coluber constrictor</i>		LLNL 2002; Swaim 2002
	Pacific gopher snake	<i>Pituophis melanoleucus</i>		LLNL 2002; Swaim 2002
	Common kingsnake	<i>Lampropeltis getulus</i>		LLNL 2002; Swaim 2002
	Western rattlesnake	<i>Crotalus viridis</i>		LLNL 2002; Swaim 2002
	Night snake	<i>Hypsiglena torquata</i>		LLNL 2002; Swaim 2002
	Glossy snake	<i>Arizona elegans</i>		LLNL 2002; Swaim 2002
	Long-nosed snake	<i>Rhinocheilus lecontei</i>		LLNL 2002; Swaim 2002
	California black-headed snake	<i>Tantilla planiceps</i>		Swaim 2002
<b>Birds</b>	Cooper's Hawk	<i>Accipiter cooperii</i>	CASCS, MBTA	LLNL 2003
	Sharp-shinned Hawk	<i>Accipiter striatus</i>	CASCS, MBTA	LLNL 2003
	Golden Eagle	<i>Aquila chrysaetos</i>	CAFPS, CASCS, MBTA	LLNL 2003
	Red-tailed Hawk	<i>Buteo jamaicensis</i>	MBTA	LLNL 2003
	Rough-legged Hawk	<i>Buteo lagopus</i>	MBTA	LLNL 2003
	Red-shouldered Hawk	<i>Buteo lineatus</i>	MBTA	LLNL 2003
	Ferruginous Hawk	<i>Buteo regalis</i>	CASCS, MBTA	LLNL 2003
	Swainson's Hawk	<i>Buteo swainsoni</i>	ST, MBTA	LLNL 2003
	Northern Harrier	<i>Circus cyaneus</i>	CASCS, MBTA	LLNL 2003
	White-tailed Kite	<i>Elanus leucurus</i>	CAFPS, MBTA	LLNL 2003
	Osprey	<i>Pandion haliaetus</i>	CASCS, MBTA	LLNL 2003
	Bushtit	<i>Psaltriparus minimus</i>	MBTA	LLNL 2003
	Horned Lark	<i>Eremophila alpestris</i>	CASCS, MBTA	LLNL 2003
	Northern Shoveler	<i>Anas clypeata</i>	MBTA	LLNL 2003
	Cinnamon Teal	<i>Anas cuamptera</i>	MBTA	LLNL 2003

**Table E-1 (cont.).** Site 300 wildlife species list. Includes species for which there are verified observations; it is not intended to be a complete list of Site 300 species.

Taxa	Common Name	Scientific Name	Regulatory Status <sup>(a)</sup>	Source
Birds (cont.)	Mallard	<i>Anas platyrhynchos</i>	MBTA	LLNL 2003
	Bufflehead	<i>Bucephala albeola</i>	MBTA	LLNL 2003
	Common Goldeneye	<i>Bucephala clangula</i>	MBTA	LLNL 2003
	White-throated Swift	<i>Aeronautes saxatalis</i>	MBTA	LLNL 2003
	Great Egret	<i>Ardea alba</i>	MBTA	LLNL 2003
	Virginia Rail	<i>Rallus limicola</i>	MBTA	U.S. DOE and UC 1992
	Cedar Waxwing	<i>Bombycilla garrulus</i>	MBTA	LLNL 2003
	Common Poorwill	<i>Phalaenoptilus nuttallii</i>	MBTA	LLNL 2003
	Blue-grosbeak	<i>Guiraca caerulea</i>	MBTA	LLNL 2003
	Black-headed Grosbeak	<i>Pheucticus melanocephalus</i>	MBTA	U.S. DOE and UC 1992
	Lazuli Bunting	<i>Passerina amoena</i>	MBTA	LLNL 2003
	Turkey Vulture	<i>Cathartes aura</i>	MBTA	LLNL 2003
	Killdeer	<i>Charadrius vociferus</i>	MBTA	LLNL 2003
	Rock Dove	<i>Columba livia</i>		U.S. DOE and UC 1992
	Mourning Dove	<i>Zenaida macroura</i>	MBTA	LLNL 2003
	Western Scrub Jay	<i>Aphelocoma californica</i>	MBTA	LLNL 2003
	American Crow	<i>Corvus brachyrhynchos</i>	MBTA	LLNL 2003
	Common Raven	<i>Corvus corax</i>	MBTA	LLNL 2003
	Greater Roadrunner	<i>Geococcyx californianus</i>	MBTA	LLNL 2003
	Bell's Sage Sparrow	<i>Amphispiza belli</i>	CASCS, MBTA	LLNL 2003
	Black-throated Sparrow	<i>Amphispiza bilineata</i>	MBTA	LLNL 2003
	Rufous Crowned Sparrow	<i>Aimophila ruficeps</i>	MBTA	LLNL 2003
	Grasshopper Sparrow	<i>Ammodramus savannarum</i>	MBTA	LLNL 2003
	Lark Sparrow	<i>Chondestes grammacus</i>	MBTA	LLNL 2003
	California Towhee	<i>Carpodacus mexicanus</i>	MBTA	LLNL 2003
	Oregon Junco	<i>Junco hyemalis</i>	MBTA	LLNL 2003
	Lincoln's Sparrow	<i>Melospiza lincolni</i>	MBTA	LLNL 2003
	Song Sparrow	<i>Melospiza melodia</i>	MBTA	LLNL 2003
	Vesper Sparrow	<i>Pooecetes gramineus</i>	MBTA	U.S. DOE and UC 1992
	Fox Sparrow	<i>Passerella iliaca</i>	MBTA	LLNL 2003
	Savannah Sparrow	<i>Passerculus sandwichensis</i>	MBTA	LLNL 2003
	Golden-crowned Sparrow	<i>Zonotrichia atricapilla</i>	MBTA	LLNL 2003
	White-crowned Sparrow	<i>Zonotrichia leucophrys</i>	MBTA	LLNL 2003
	American Kestrel	<i>Falco sparverius</i>	MBTA	LLNL 2003
	Prairie Falcon	<i>Falca mexicanus</i>	CASCS, MBTA	LLNL 2003
	House Finch	<i>Carpodacus mexicanus</i>	MBTA	LLNL 2003

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Taxa	Common Name	Scientific Name	Regulatory Status <sup>(a)</sup>	Source
<b>Birds (cont.)</b>	Lesser Goldfinch	<i>Carduelis psaltia</i>	MBTA	LLNL 2003
	Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	MBTA	LLNL 2003
	Northern Rough Winged Swallow	<i>Stelgidopteryx serripennis</i>	MBTA	LLNL 2003
	Tree Swallow	<i>Tachycineta bicolor</i>	MBTA	LLNL 2003
	Red-winged Blackbird	<i>Agelaius phoeniceus</i>	MBTA	LLNL 2003
	Tricolored Blackbird	<i>Agelaius tricolor</i>	CASCS, MBTA	LLNL 2003
	Brewer's Blackbird	<i>Euphagus cyanocephalus</i>	MBTA	LLNL 2003
	Bullock's Oriole	<i>Icterus bullockii</i>	MBTA	LLNL 2003
	Brown-headed Cowbird	<i>Molothrus ater</i>	MBTA	LLNL 2003
	Western Meadowlark	<i>Sturnella magna</i>	MBTA	LLNL 2003
	Loggerhead Shrike	<i>Lanius ludovicianus</i>	CASCS, MBTA	LLNL 2003
	Northern Mockingbird	<i>Mimus polyglottos</i>	MBTA	LLNL 2003
	California Thrasher	<i>Toxostoma redivivum</i>	MBTA	LLNL 2003
	California Quail	<i>Callipepla californica</i>		LLNL 2003
	Oak Titmouse	<i>Baeolophus inornatus</i>	FSC, MBTA	LLNL 2003
	Yellow-rumped Warbler	<i>Dendroica coronata</i>	MBTA	LLNL 2003
	Black-throated Gray Warbler	<i>Dendroica nigrescens</i>	MBTA	LLNL 2003
	Yellow Warbler	<i>Dendroica petechia</i>	CASCS, MBTA	LLNL 2003
	Common Yellowthroat	<i>Geothlypis trichas</i>	CASCS, MBTA	LLNL 2003
	MacGillivray's Warbler	<i>Oporornis tolmiei</i>	MBTA	LLNL 2003
	Orange-crowned Warbler	<i>Vermivora bachmanii</i>	MBTA	LLNL 2003
	Wilson's Warbler	<i>Wilsonia pusila</i>	MBTA	LLNL 2003
	Double-crested Cormorant	<i>Phalacrocorax auritus</i>	CASCS, MBTA	LLNL 2003
	Wild Turkey	<i>Meleagris gallopavo</i>		LLNL 2003
	Northern Flicker	<i>Colaptes auratus</i>	MBTA	LLNL 2003
	Nuttall's Woodpecker	<i>Picoides nuttallii</i>	MBTA	LLNL 2003
	Acorn Woodpecker	<i>Melanerpes formicivorus</i>	MBTA	U.S. DOE and UC 1992
	Pied-billed Grebe	<i>Podilymbus podiceps</i>	MBTA	LLNL 2003
	Phainopepla	<i>Phainopepla nitens</i>	MBTA	LLNL 2003
	Ruby-crowned Kinglet	<i>Regulus calendula</i>	MBTA	LLNL 2003
	Common Snipe	<i>Gallinago gallinago</i>	MBTA	LLNL 2003
	Greater Yellowlegs	<i>Tringa melanoleuca</i>	MBTA	LLNL 2003
	Burrowing Owl	<i>Athene cunicularia</i>	CASCS, MBTA	LLNL 2003
	Short-eared Owl	<i>Asio flammeus</i>	CASCS, MBTA	LLNL 2003
	Great horned Owl	<i>Bubo virginianus</i>	MBTA	LLNL 2003
	Western Screech Owl	<i>Otus kennicottii</i>	MBTA	LLNL 2003

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Taxa	Common Name	Scientific Name	Regulatory Status <sup>(a)</sup>	Source
<b>Birds (cont.)</b>	European Starling	<i>Sturnus vulgaris</i>		LLNL 2003
	Western Tanager	<i>Piranga ludoviciana</i>	MBTA	LLNL 2003
	Anna's Hummingbird	<i>Calypte anna</i>	MBTA	LLNL 2003
	Costa's Hummingbird	<i>Calypte costae</i>	MBTA	LLNL 2003
	Rufous Hummingbird	<i>Selasphorus rufus</i>	MBTA	LLNL 2003
	Allen's Hummingbird	<i>Selasphorus sasin</i>	MBTA	U.S. DOE and UC 1992
	Rock Wren	<i>Salpinctes obsoletus</i>	MBTA	LLNL 2003
	Bewick's Wren	<i>Thyothorus ludovicianus</i>	MBTA	LLNL 2003
	House Wren	<i>Troglodytes aedon</i>	MBTA	LLNL 2003
	Hermit Thrush	<i>Catharus guttatus</i>	MBTA	LLNL 2003
	Swainson's Thrush	<i>Catharus ustulatus</i>	MBTA	LLNL 2003
	Varied Thrush	<i>Ixoreus naevius</i>	MBTA	LLNL 2003
	Mountain Bluebird	<i>Sialia currucoides</i>	MBTA	LLNL 2003
	Western Buebird	<i>Sialia mexicana</i>	MBTA	LLNL 2003
	American Robin	<i>Turdus migratorius</i>	MBTA	LLNL 2003
	Pacific-slope Flycatcher	<i>Empidonax difficillis</i>	MBTA	LLNL 2003
	Willow Flycatcher	<i>Empidonax traillii</i>	SE, MBTA	van Hattem 2005
	Ash-throated Flycatcher	<i>Myiarchus cinerascens</i>	MBTA	LLNL 2003
	Western Wood-pewee	<i>Contopus sordidulus</i>	MBTA	U.S. DOE and UC 1992
	Black Phoebe	<i>Sayornis nigricans</i>	MBTA	LLNL 2003
	Say's Phoebe	<i>Sayornis saya</i>	MBTA	LLNL 2003
	Western Kingbird	<i>Tyrannus verticalis</i>	MBTA	LLNL 2003
	Cassin's Kingbird	<i>Tyrannus vociferans</i>	MBTA	LLNL 2003
	Barn Owl	<i>Tyto alba</i>	MBTA	LLNL 2003
<b>Invertebrates</b>	Valley elderberry longhorn beetle	<i>Desmocerus californicus dimorphus</i>	FT	Arnold 2002
	California fairy shrimp	<i>Linderiella occidentalis</i>		Weber 2002
	California clam shrimp	<i>Cyzicus californicus</i>		Weber 2002

(a) CAFPS = California Department of Fish and Game Fully Protected Species (CA Dept. of Fish and Game 2006)  
CASCS = California Special Concern species (CA Dept. of Fish and Game 2006)  
FE = Endangered under the Federal Endangered Species Act  
FT = Threatened under the Federal Endangered Species Act  
PT = Proposed as threatened under the Federal Endangered Species Act  
MBTA = Migratory Bird Treaty Act  
SE = Endangered under the State Endangered Species Act  
ST = Threatened under the State Endangered Species Act  
FSC = Federal Species of Concern for Alameda and San Joaquin Counties. May be endangered or threatened.  
Not enough biological information has been gathered to support listing at this time (U.S. Fish and Wildlife Service 1-1-03-SP-0162).