

## APPENDIX C

### Wildlife Survey Results

**Table C-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
Mammals	Pallid bat	<i>Antrozous pallidus</i>	CASSC	Rainey 2003
	Western red bat	<i>Lasiurus blossevillii</i>	CASSC	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>		LLNL 2002; West 2002
	San Joaquin pocket mouse	<i>Perognathus inornatus inornatus</i>		Clark et al. 2002
	California ground squirrel	<i>Spermophilus beecheyi</i>		LLNL 2002
	Botta's 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
	Red fox	<i>Vulpes vulpes</i>		Woollett 2005
	Gray fox	<i>Urocyon cinereoargenteus</i>		Woollett 2005
	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>	CASSC	LLNL 2002; Clark et al. 2002
	Bobcat	<i>Lynx rufus</i>		LLNL 2002; Clark et al. 2002
	Mountain Lion	<i>Puma 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
	Herpetofauna	Arboreal salamander	<i>Aneides lugubris</i>	
California tiger salamander		<i>Ambystoma californiense</i>	FT, ST, CASSC	LLNL 2002
California slender salamander		<i>Batrachoseps attenuatus</i>		Burkholder 2008
Coast Range newt		<i>Taricha torosa torosa</i>	CASSC	Woollett 2005

## C. Wildlife Survey Results

**Table C-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>	California red-legged frog	<i>Rana draytonii</i>	FT, CASSC	LLNL 2002
	Pacific treefrog	<i>Pseudacris regilla</i>		LLNL 2002
	Western spadefoot toad	<i>Spea hammondi</i>	CASSC	LLNL 2002
	Western pond turtle	<i>Actinemys marmorata</i>	CASSC	Woollett 2005
	Western toad	<i>Anaxyrus boreas halophilus</i>		LLNL 2002
	Alameda whipsnake	<i>Masticophis lateralis euryxanthus</i>	FT, ST	Swaim 2002
	San Joaquin coachwhip	<i>Masticophis flagellum ruddocki</i>	CASSC	LLNL 2002
	Coast horned lizard	<i>Phrynosoma coronatum</i>	CASSC	LLNL 2002
	California legless lizard	<i>Anniella pulchra</i>	CASSC	Swaim 2002
	Side-blotched lizard	<i>Uta stansburiana</i>		LLNL 2002; Swaim 2002
	Western whiptail	<i>Aspidoscelis tigris</i>		LLNL 2002; Swaim 2002
	Northwestern fence lizard	<i>Sceloporus occidentalis 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
	California alligator lizard	<i>Elgaria multicarinata multicarinata</i>		LLNL 2002; Swaim 2002
	Racer	<i>Coluber constrictor</i>		LLNL 2002; Swaim 2002
	Gopher snake	<i>Pituophis catenifer</i>		LLNL 2002; Swaim 2002
	California kingsnake	<i>Lampropeltis getula californiae</i>		LLNL 2002; Swaim 2002
	Northern Pacific rattlesnake	<i>Crotalus oreganus oreganus</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	
Pacific ring-necked snake	<i>Diadophis punctatus amabilis</i>		Woollett 2005	
<b>Birds</b>	Pied-billed Grebe	<i>Podilymbus podiceps</i>	MBTA	LLNL 2003
	Double-crested Cormorant	<i>Phalacrocorax auritus</i>	MBTA	LLNL 2003
	Great Egret	<i>Ardea alba</i>	MBTA	LLNL 2003
	Turkey Vulture	<i>Cathartes aura</i>	MBTA	LLNL 2003
	Bufflehead	<i>Bucephala albeola</i>	MBTA	LLNL 2003
	Common Goldeneye	<i>Bucephala clangula</i>	MBTA	LLNL 2003
	Mallard	<i>Anas platyrhynchos</i>	MBTA	LLNL 2003
	Northern Shoveler	<i>Anas clypeata</i>	MBTA	LLNL 2003
	Cinnamon Teal	<i>Anas cyanoptera</i>	MBTA	LLNL 2003

## C. Wildlife Survey Results

**Table C-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>Birds (cont.)</b>	Red-shouldered Hawk	<i>Buteo lineatus</i>	MBTA	LLNL 2003
	Osprey	<i>Pandion haliaetus</i>	MBTA	LLNL 2003
	Golden Eagle	<i>Aquila chrysaetos</i>	CAFPS, MBTA, EPA	LLNL 2003
	Rough-legged Hawk	<i>Buteo lagopus</i>	MBTA	LLNL 2003
	Ferruginous Hawk	<i>Buteo regalis</i>	MBTA	LLNL 2003
	Red-tailed Hawk	<i>Buteo jamaicensis</i>	MBTA	LLNL 2003
	Swainson's Hawk	<i>Buteo swainsoni</i>	ST, MBTA	LLNL 2003
	White-tailed Kite	<i>Elanus leucurus</i>	CAFPS, MBTA	LLNL 2003
	Cooper's Hawk	<i>Accipiter cooperii</i>	MBTA	LLNL 2003
	Sharp-shinned Hawk	<i>Accipiter striatus</i>	MBTA	LLNL 2003
	Northern Harrier	<i>Circus cyaneus</i>	CASSC, MBTA	LLNL 2003
	Prairie Falcon	<i>Falco mexicanus</i>	MBTA	LLNL 2003
	American Kestrel	<i>Falco sparverius</i>	MBTA	LLNL 2003
	Wild Turkey	<i>Meleagris gallopavo</i>		LLNL 2003
	California Quail	<i>Callipepla californica</i>		LLNL 2003
	Virginia Rail	<i>Rallus limicola</i>	MBTA	U.S. DOE and UC 1992
	Killdeer	<i>Charadrius vociferus</i>	MBTA	LLNL 2003
	Greater Yellowlegs	<i>Tringa melanoleuca</i>	MBTA	LLNL 2003
	Wilson's Snipe	<i>Gallinago delicata</i>	MBTA	LLNL 2003
	Mourning Dove	<i>Zenaida macroura</i>	MBTA	LLNL 2003
	Rock Dove	<i>Columba livia</i>		U.S. DOE and UC 1992
	Greater Roadrunner	<i>Geococcyx californianus</i>	MBTA	LLNL 2003
	Barn Owl	<i>Tyto alba</i>	MBTA	LLNL 2003
	Short-eared Owl	<i>Asio flammeus</i>	CASSC, MBTA	LLNL 2003
	Great Horned Owl	<i>Bubo virginianus</i>	MBTA	LLNL 2003
	Burrowing Owl	<i>Athene cunicularia</i>	CASSC, BCC, MBTA	LLNL 2003
	Western Screech Owl	<i>Megascops kennicottii</i>	MBTA	LLNL 2003
	Common Poorwill	<i>Phalaenoptilus nuttallii</i>	MBTA	LLNL 2003
	White-throated Swift	<i>Aeronautes saxatalis</i>	MBTA	LLNL 2003
	Allen's Hummingbird	<i>Selasphorus sasin</i>	BCC, MBTA	U.S. DOE and UC 1992
	Rufous Hummingbird	<i>Selasphorus rufus</i>	MBTA	LLNL 2003
	Costa's Hummingbird	<i>Calypte costae</i>	BCC, MBTA	LLNL 2003
	Anna's Hummingbird	<i>Calypte anna</i>	MBTA	LLNL 2003
	Northern Flicker	<i>Colaptes auratus</i>	MBTA	LLNL 2003
	Nuttall's Woodpecker	<i>Picoides nuttallii</i>	BCC, MBTA	LLNL 2003
	Acorn Woodpecker	<i>Melanerpes formicivorus</i>	MBTA	U.S. DOE and UC 1992
Ash-throated Flycatcher	<i>Myiarchus cinerascens</i>	MBTA	LLNL 2003	

## C. Wildlife Survey Results

**Table C-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.)	Cassin's Kingbird	<i>Tyrannus vociferans</i>	MBTA	LLNL 2003
	Western Kingbird	<i>Tyrannus verticalis</i>	MBTA	LLNL 2003
	Western Wood-pewee	<i>Contopus sordidulus</i>	MBTA	U.S. DOE and UC 1992
	Willow Flycatcher	<i>Empidonax traillii</i>	SE, MBTA	van Hatten 2005
	Pacific-slope Flycatcher	<i>Empidonax difficillis</i>	MBTA	LLNL 2003
	Black Phoebe	<i>Sayornis nigricans</i>	MBTA	LLNL 2003
	Say's Phoebe	<i>Sayornis saya</i>	MBTA	LLNL 2003
	Loggerhead Shrike	<i>Lanius ludovicianus</i>	CASSC, BCC, 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
	Horned Lark	<i>Eremophila alpestris</i>	MBTA	LLNL 2003
	Tree Swallow	<i>Tachycineta bicolor</i>	MBTA	LLNL 2003
	Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	MBTA	LLNL 2003
	Northern Rough Winged Swallow	<i>Stelgidopteryx serripennis</i>	MBTA	LLNL 2003
	Oak Titmouse	<i>Baeolophus inornatus</i>	BCC, MBTA	LLNL 2003
	Bushtit	<i>Psaltiriparus minimus</i>	MBTA	LLNL 2003
	House Wren	<i>Troglodytes aedon</i>	MBTA	LLNL 2003
	Rock Wren	<i>Salpinctes obsoletus</i>	MBTA	LLNL 2003
	Bewick's Wren	<i>Thryomanes bewickii</i>	MBTA	LLNL 2003
	Ruby-crowned Kinglet	<i>Regulus calendula</i>	MBTA	LLNL 2003
	Hermit Thrush	<i>Catharus guttatus</i>	MBTA	LLNL 2003
	Swainson's Thrush	<i>Catharus ustulatus</i>	MBTA	LLNL 2003
	Western Buebird	<i>Sialia mexicana</i>	MBTA	LLNL 2003
	Mountain Bluebird	<i>Sialia currucoides</i>	MBTA	LLNL 2003
	American Robin	<i>Turdus migratorius</i>	MBTA	LLNL 2003
	Varied Thrush	<i>Ixoreus naevius</i>	MBTA	LLNL 2003
	California Thrasher	<i>Toxostoma redivivum</i>	MBTA	LLNL 2003
	Northern Mockingbird	<i>Mimus polyglottos</i>	MBTA	LLNL 2003
	European Starling	<i>Sturnus vulgaris</i>		LLNL 2003
	Cedar Waxwing	<i>Bombycilla garrulus</i>	MBTA	LLNL 2003
	Phainopepla	<i>Phainopepla nitens</i>	MBTA	LLNL 2003
	MacGillivray's Warbler	<i>Oporornis tolmiei</i>	MBTA	LLNL 2003
	Common Yellowthroat	<i>Geothlypis trichas</i>	MBTA	LLNL 2003
	Wilson's Warbler	<i>Wilsonia pusilla</i>	MBTA	LLNL 2003
	Orange-crowned Warbler	<i>Vermivora celata</i>	MBTA	LLNL 2003
	Yellow Warbler	<i>Dendroica petechia</i>	CASSC, MBTA	LLNL 2003

## C. Wildlife Survey Results

**Table C-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>Birds (cont.)</b>	Yellow-rumped Warbler	<i>Dendroica coronata</i>	MBTA	LLNL 2003	
	Black-throated Gray Warbler	<i>Dendroica nigrescens</i>	MBTA	LLNL 2003	
	Western Tanager	<i>Piranga ludoviciana</i>	MBTA	LLNL 2003	
	Song Sparrow	<i>Melospiza melodia</i>	MBTA	LLNL 2003	
	Lincoln's Sparrow	<i>Melospiza lincolni</i>	MBTA	LLNL 2003	
	Fox Sparrow	<i>Passerella iliaca</i>	MBTA	LLNL 2003	
	White-crowned Sparrow	<i>Zonotrichia leucophrys</i>	MBTA	LLNL 2003	
	Golden-crowned Sparrow	<i>Zonotrichia atricapilla</i>	MBTA	LLNL 2003	
	Dark-eyed Junco	<i>Junco hyemalis</i>	MBTA	LLNL 2003	
	Black-throated Sparrow	<i>Amphispiza bilineata</i>	MBTA	LLNL 2003	
	California Towhee	<i>Pipilo crissalis</i>	MBTA	LLNL 2003	
	Vesper Sparrow	<i>Poocetes gramineus</i>	MBTA	U.S. DOE and UC 1992	
	Lark Sparrow	<i>Chondestes grammacus</i>	MBTA	LLNL 2003	
	Bell's Sage Sparrow	<i>Amphispiza belli</i>	MBTA	LLNL 2003	
	Savannah Sparrow	<i>Passerculus sandwichensis</i>	MBTA	LLNL 2003	
	Grasshopper Sparrow	<i>Ammodramus savannarum</i>	CASSC, MBTA	LLNL 2003	
	Rufous Crowned Sparrow	<i>Aimophila ruficeps</i>	MBTA	LLNL 2003	
	Lazuli Bunting	<i>Passerina amoena</i>	MBTA	LLNL 2003	
	Blue-grosbeak	<i>Passerina caerulea</i>	MBTA	LLNL 2003	
	Black-headed Grosbeak	<i>Pheucticus melanocephalus</i>	MBTA	U.S. DOE and UC 1992	
	Bullock's Oriole	<i>Icterus bullockii</i>	MBTA	LLNL 2003	
	Brown-headed Cowbird	<i>Molothrus ater</i>	MBTA	LLNL 2003	
	Red-winged Blackbird	<i>Agelaius phoeniceus</i>	MBTA	LLNL 2003	
	Tricolored Blackbird	<i>Agelaius tricolor</i>	CASSC, BCC, MBTA	LLNL 2003	
	Western Meadowlark	<i>Sturnella neglecta</i>	MBTA	LLNL 2003	
	Brewer's Blackbird	<i>Euphagus cyanocephalus</i>	MBTA	LLNL 2003	
	Lesser Goldfinch	<i>Carduelis psaltria</i>	MBTA	LLNL 2003	
	House Finch	<i>Carpodacus mexicanus</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) BCC = U.S. Fish and Wildlife Service Birds of Conservation Concern (US Fish and Wildlife Service 2008)  
 CAFPS = California Department of Fish and Game Fully Protected Species (CA Fish and Game Code Section 3511)  
 CASSC = California Species of Special Concern (CA Dept. of Fish and Game, Special Animals List, March 2006)  
 EPA = Eagle Protection Act  
 FT = 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