

APPENDIX B

Wildlife Survey Results

Table B-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 ^(a)	Source ^(b)
Invertebrates	Valley Elderberry Longhorn Beetle	<i>Desmocerus californicus dimorphus</i>	FT	2002a
	California linderiella	<i>Linderiella occidentalis</i>	None	2016a, 2010, 2002d
	California Clam Shrimp	<i>Cyzicus californicus</i>	None	2002d
Amphibians	California Tiger Salamander	<i>Ambystoma californiense</i>	FT, ST	2021e, 2002g
	California Newt	<i>Taricha torosa</i>	None	2005b
	California Slender Salamander	<i>Batrachoseps attenuatus</i>	None	2008
	Arboreal Salamander	<i>Aneides lugubris</i>	None	2005b
	Western Spadefoot	<i>Spea hammondi</i>	CDFW:SSC (under review)	2021e, 2002g
	California Toad	<i>Anaxyrus boreas halophilus</i>	None	2021e, 2002g
	Sierran Treefrog	<i>Pseudacris sierra</i>	None	2021e, 2002g
	California Red-legged Frog	<i>Rana draytonii</i>	FT, CDFW:SSC	2021e, 2002g
Reptiles	Western Pond Turtle	<i>Actinemys marmorata</i>	CDFW:SSC	2005b
	Skilton's (Western) Skink	<i>Plestiodon skiltonianus</i>	None	2021a, 2021f, 2002c, 2002g
	Variagated (Gilbert's) Skink	<i>Plestiodon gilberti cancellosus</i>	None	2021a, 2021f, 2002c, 2002g
	California Whiptail	<i>Aspidoscelis tigris munda</i>	None	2021a, 2021f, 2002c, 2002g
	California (Southern) Alligator Lizard	<i>Elgaria multicolorata</i>	None	2021a, 2002c, 2002g
	San Francisco (Northern) Alligator Lizard	<i>Elgaria coerulea</i>	None	2021a
	California Legless Lizard	<i>Anniella pulchra</i>	CDFW:SSC	2021a, 2002c
	Blainville's (Coast) Horned Lizard	<i>Phrynosoma blainvillii</i>	CDFW:SSC	2021a, 2021e, 2002c
	Common Side- blotched Lizard	<i>Uta stansburiana</i>	None	2021a, 2021f, 2002c, 2002g
	Coast Range Fence Lizard	<i>Sceloporus occidentalis bocourtii</i>	None	2021a, 2021f, 2002c, 2002g
	California Kingsnake	<i>Lampropeltis californiae</i>	None	2021f, 2002c, 2002g
	Long-nosed Snake	<i>Rhinocheilus lecontei</i>	None	2021f, 2002c, 2002g
	Western Black- headed Snake	<i>Tantilla planiceps</i>	None	2002c
California Glossy Snake	<i>Arizona elegans occidentalis</i>	CDFW:SSC	2021a, 2021f, 2002c, 2002g	

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Reptiles (cont.)	Pacific Gophersnake	<i>Pituophis catenifer</i>	None	2021a, 2021f, 2002c, 2002g
	Western Yellow-bellied Racer	<i>Coluber constrictor mormon</i>	None	2021f, 2002c, 2002g
	San Joaquin Coachwhip	<i>Masticophis flagellum ruddocki</i>	CDFW:SSC	2021a, 2021f, 2002g
	Alameda Whipsnake	<i>Masticophis lateralis euryxanthus</i>	FT, ST	2021a, 2021f, 2002c
	California Nightsnake	<i>Hypsiglena ochrorhyncha nuchalata</i>	None	2021a, 2021f, 2002c, 2002g
	Pacific Ring-necked Snake	<i>Diadophis punctatus amabilis</i>	None	2020c, 2005b
	Northern Pacific Rattlesnake	<i>Crotalus oreganus</i>	None	2021a, 2021f, 2002c, 2002g
Birds	Pied-billed Grebe	<i>Podilymbus podiceps</i>	MBTA	2003a
	Great Egret	<i>Ardea alba</i>	MBTA	2021g, 2003a
	American White Pelican	<i>Pelecanus erythrorhynchos</i>	MBTA, CDFW:SSC	2016
	Double-crested Cormorant	<i>Phalacrocorax auritus</i>	MBTA	2003a
	Red-shouldered Hawk	<i>Buteo lineatus</i>	MBTA	2020a, 2016, 2003a
	Golden Eagle	<i>Aquila chrysaetos</i>	MBTA, BGEPA, CDFW:FP	2021g, 2016, 2003a
	Rough-legged Hawk	<i>Buteo lagopus</i>	MBTA	2016, 2003a
	Ferruginous Hawk	<i>Buteo regalis</i>	MBTA	2020a, 2016, 2003a
	Red-tailed Hawk	<i>Buteo jamaicensis</i>	MBTA	2021e, 2016, 2003a
	Swainson's Hawk	<i>Buteo swainsoni</i>	MBTA, ST	2016, 2003a
	White-tailed Kite	<i>Elanus leucurus</i>	MBTA, CDFW:FP	2003a
	Cooper's Hawk	<i>Accipiter cooperii</i>	MBTA	2020a, 2016, 2003a
	Sharp-shinned Hawk	<i>Accipiter striatus</i>	MBTA	2016, 2003a
	Northern Harrier	<i>Circus hudsonius</i>	MBTA, CDFW:SSC, BCC	2021g, 2016, 2003a
	Turkey Vulture	<i>Cathartes aura</i>	MBTA	2021g, 2016, 2003a
	Osprey	<i>Pandion haliaetus</i>	MBTA	2016, 2003a
	Bufflehead	<i>Bucephala albeola</i>	MBTA	2021g, 2003a
Common Goldeneye	<i>Bucephala clangula</i>	MBTA	2003a	
Mallard	<i>Anas platyrhynchos</i>	MBTA	2021g, 2016, 2003a	

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Birds (cont.)	Northern Shoveler	<i>Spatula clypeata</i>	MBTA	2003a
	Cinnamon Teal	<i>Spatula cyanoptera</i>	MBTA	2021g, 2003a
	Prairie Falcon	<i>Falco mexicanus</i>	MBTA	2020b, 2016, 2003a
	American Peregrine Falcon	<i>Falco peregrinus anatum</i>	MBTA, CDFW:FP	2016
	Merlin	<i>Falco columbarius</i>	MBTA	2011
	American Kestrel	<i>Falco sparverius</i>	MBTA	2021g, 2016, 2003a
	Wild Turkey	<i>Meleagris gallopavo</i>	None	2003a
	California Quail	<i>Callipepla californica</i>	None	2021g, 2003a
	Virginia Rail	<i>Rallus limicola</i>	MBTA	1992
	Sora	<i>Porzana carolina</i>	MBTA	2009
	Killdeer	<i>Charadrius vociferus</i>	MBTA	2020a, 2003a
	American Avocet	<i>Recurvirostra americana</i>	MBTA	2002f
	Greater Yellowlegs	<i>Tringa melanoleuca</i>	MBTA	2003a
	Wilson's Snipe	<i>Gallinago delicata</i>	MBTA	2003a
	Long-billed curlew	<i>Numenius americanus</i>	MBTA, CDFW:SSC	2014
	Western Gull	<i>Larus occidentalis</i>	MBTA	2016
	Mourning Dove	<i>Zenaida macroura</i>	MBTA	2021g, 2016, 2003a
	Rock Pigeon	<i>Columba livia</i>	None	2016, 1992
	Eurasian Collared-dove	<i>Streptopelia decaocto</i>	None	2021g, Woollett 2017
	Greater Roadrunner	<i>Geococcyx californianus</i>	MBTA	2021g, 2003a
	Barn Owl	<i>Tyto alba</i>	MBTA	2021e, 2003a
	Short-eared Owl	<i>Asio flammeus</i>	MBTA, CDFW:SSC, BCC	2003a
	Great Horned Owl	<i>Bubo virginianus</i>	MBTA	2021e, 2003a
	Long-eared Owl	<i>Asio otus</i>	MBTA, CDFW:SSC, BCC	2003a
	Burrowing Owl	<i>Athene cunicularia</i>	MBTA, CDFW:SSC, BCC	2021e, 2016, 2003a
	Western Screech-Owl	<i>Megascops kennicottii</i>	MBTA	2003a
	Common Poorwill	<i>Phalaenoptilus nuttallii</i>	MBTA	2003a

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Birds (cont.)	White-throated Swift	<i>Aeronautes saxatalis</i>	MBTA	2016, 2003a
	Allen's Hummingbird	<i>Selasphorus sasin</i>	MBTA, BCC	1992
	Rufous Hummingbird	<i>Selasphorus rufus</i>	MBTA	2003a
	Costa's Hummingbird	<i>Calypte costae</i>	MBTA	2003a
	Anna's Hummingbird	<i>Calypte anna</i>	MBTA	2021g, 2016, 2003a
	Lewis's Woodpecker	<i>Melanerpes lewis</i>	MBTA	2018
	Northern Flicker	<i>Colaptes auratus</i>	MBTA	2016, 2003a
	Nuttall's Woodpecker	<i>Dryobates nuttallii</i>	MBTA, BCC	2003a
	Acorn Woodpecker	<i>Melanerpes formicivorus</i>	MBTA	1992
	Ash-throated Flycatcher	<i>Myiarchus cinerascens</i>	MBTA	2003a
	Cassin's Kingbird	<i>Tyrannus vociferans</i>	MBTA	2003a
	Western Kingbird	<i>Tyrannus verticalis</i>	MBTA	2016, 2003a
	Western Wood-pewee	<i>Contopus sordidulus</i>	MBTA	1992
	Willow Flycatcher	<i>Empidonax traillii</i>	SE, MBTA	2005a
	Say's Phoebe	<i>Sayornis saya</i>	MBTA	2020a, 2016, 2003a
	Pacific-slope Flycatcher	<i>Empidonax difficilis</i>	MBTA	2003a
	Black Phoebe	<i>Sayornis nigricans</i>	MBTA	2021g, 2016, 2003a
	Loggerhead Shrike	<i>Lanius ludovicianus</i>	MBTA, CDFW:SSC	2020a, 2016, 2003a
	California (Western) Scrub-Jay	<i>Aphelocoma californica</i>	MBTA	2021g, 2003a
	Common Raven	<i>Corvus corax</i>	MBTA	2021e, 2016, 2003a
	American Crow	<i>Corvus brachyrhynchos</i>	MBTA	2021g, 2003a
	California Horned Lark	<i>Eremophila alpestris actia</i>	MBTA	2021g, 2016, 2003a
	Tree Swallow	<i>Tachycineta bicolor</i>	MBTA	2003a
	Cliff Swallow	<i>Petrochelidon pyrrhonota</i>	MBTA	2021g, 2016, 2003a
	Barn Swallow	<i>Hirundo rustica</i>	MBTA	2016
	Northern Rough-winged Swallow	<i>Stelgidopteryx serripennis</i>	MBTA	2016, 2003a

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Birds (cont.)	Oak Titmouse	<i>Baeolophus inornatus</i>	MBTA, BCC	2003a
	Bushtit	<i>Psaltriparus minimus</i>	MBTA	2003a
	House Wren	<i>Troglodytes aedon</i>	MBTA	2016, 2003a
	Rock Wren	<i>Salpinctes obsoletus</i>	MBTA	2003a
	Bewick's Wren	<i>Thryomanes bewickii</i>	MBTA	2003a
	Ruby-crowned Kinglet	<i>Regulus calendula</i>	MBTA	2020a, 2003a
	Blue-gray Gnatcatcher	<i>Poliophtila caerulea</i>	MBTA	2019
	Hermit Thrush	<i>Catharus guttatus</i>	MBTA	2003a
	Western Bluebird	<i>Sialia mexicana</i>	MBTA	2021g, 2003a
	Varied Thrush	<i>Ixoreus naevius</i>	MBTA	2003a
	American Robin	<i>Turdus migratorius</i>	MBTA	2021g, 2003a
	Swainson's Thrush	<i>Catharus ustulatus</i>	MBTA	2003a
	Mountain Bluebird	<i>Sialia currucoides</i>	MBTA	2021g, 2003a
	California Thrasher	<i>Toxostoma redivivum</i>	MBTA, BCC	2021g, 2003a
	Northern Mockingbird	<i>Mimus polyglottos</i>	MBTA	2021g, 2003a
	European Starling	<i>Sturnus vulgaris</i>	None	2021g, 2016, 2003a
	Cedar Waxwing	<i>Bombycilla cedrorum</i>	MBTA	2021g, 2003a
	Phainopepla	<i>Phainopepla nitens</i>	MBTA	2003a
	MacGillivray's Warbler	<i>Geothlypis tolmiei</i>	MBTA	2003a
	Common Yellowthroat	<i>Geothlypis trichas</i>	MBTA	2021g, 2003a
	Wilson's Warbler	<i>Cardellina pusilla</i>	MBTA	2021g, 2003a
	Orange-crowned Warbler	<i>Leiothlypis celata</i>	MBTA	2003a
	Yellow Warbler	<i>Setophaga petechia</i>	MBTA, CDFW:SSC,	2003a
	Yellow-rumped Warbler	<i>Setophaga coronata</i>	MBTA	2021g, 2003a
	Black-throated Gray Warbler	<i>Setophaga nigrescens</i>	MBTA	2003a
	Song Sparrow	<i>Melospiza melodia</i>	CDFW:SSC, MBTA	2003a
	Lincoln's Sparrow	<i>Melospiza lincolni</i>	MBTA	2003a

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Birds (cont.)	Fox Sparrow	<i>Passerella iliaca</i>	MBTA	2003a
	White-crowned Sparrow	<i>Zonotrichia leucophrys</i>	MBTA	2021g, 2016, 2003a
	Golden-crowned Sparrow	<i>Zonotrichia atricapilla</i>	MBTA	2021g, 2016, 2003a
	Dark-eyed Junco	<i>Junco hyemalis</i>	MBTA	2021g, 2003a
	Black-throated Sparrow	<i>Amphispiza bilineata</i>	MBTA	2003a
	California Towhee	<i>Melospiza crissalis</i>	MBTA	2021g, 2003a
	Vesper Sparrow	<i>Poocetes gramineus</i>	MBTA	1992
	Lark Sparrow	<i>Chondestes grammacus</i>	MBTA	2003a
	Bell's Sparrow	<i>Artemisiospiza belli</i>	MBTA	2003a
	Savannah Sparrow	<i>Passerculus sandwichensis</i>	MBTA	2016, 2003a
	Grasshopper Sparrow	<i>Ammodramus savannarum</i>	MBTA, CDFW:SSC	2003a
	Rufous-crowned Sparrow	<i>Aimophila ruficeps</i>	MBTA	2016, 2003a
	Lazuli Bunting	<i>Passerina amoena</i>	MBTA	2003a
	Blue Grosbeak	<i>Passerina caerulea</i>	MBTA	2003a
	Black-headed Grosbeak	<i>Pheucticus melanocephalus</i>	MBTA	1992
	Western Tanager	<i>Piranga ludoviciana</i>	MBTA	2021g, 2003a
	Bullock's Oriole	<i>Icterus bullockii</i>	MBTA, BCC	2021g, 2003a
	Brown-headed Cowbird	<i>Molothrus ater</i>	MBTA	2021g, 2003a
	Red-winged Blackbird	<i>Agelaius phoeniceus</i>	MBTA	2016, 2003a
	Tricolored Blackbird	<i>Agelaius tricolor</i>	BCC, CDFW:SSC, MBTA, ST	2021e, 2016, 2003a
	Western Meadowlark	<i>Sturnella neglecta</i>	MBTA	2021g, 2016, 2003a
	Brewer's Blackbird	<i>Euphagus cyanocephalus</i>	MBTA	2016, 2003a
	Lesser Goldfinch	<i>Spinus psaltria</i>	MBTA	2021g, 2016, 2003a
House Finch	<i>Haemorhous mexicanus</i>	MBTA	2021g, 2016, 2003a	
Mammals	Broad-footed Mole	<i>Scapanus latimanus</i>	None	2011
	Big Brown Bat	<i>Eptesicus fuscus</i>	None	2021b
	Townsend's Big-eared Bat	<i>Corynorhinus townsendii</i>	CDFW:SSC	2021b

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Mammals (cont.)	Hoary Bat	<i>Lasiurus cinereus</i>	None	2021b, 2003b
	Western Red Bat	<i>Lasiurus blossevillii</i>	CDFW:SSC	2021b, 2003b
	Silver-haired Bat	<i>Lasionycteris noctivagans</i>	None	2021b
	Small-footed Myotis	<i>Myotis ciliolabrum</i>	None	2021b
	California Myotis	<i>Myotis californicus</i>	None	2021b, 2003b
	Long-legged Myotis	<i>Myotis Volans</i>	None	2021b
	Fringed Myotis	<i>Myotis thysanodes</i>	None	2021b
	Yuma Myotis	<i>Myotis yumanensis</i>	None	2021b, 2003b
	Long-eared Myotis	<i>Myotis evotis</i>	None	2021b
	Canyon Bat	<i>Parastrellus hesperus</i>	None	2021b, 2003b
	Pallid Bat	<i>Antrozous pallidus</i>	CDFW:SSC	2021b, 2003b
	Brazilian Free-tailed Bat	<i>Tadarida brasiliensis</i>	None	2021b, 2003b
	Western Mastiff Bat	<i>Eumops perotis</i>	CDFW:SSC	2021b
	Audubon's (Desert) Cottontail	<i>Sylvilagus audubonii</i>	None	2021c, 2002b, 2002g
	Black-tailed Jackrabbit	<i>Lepus californicus</i>	None	2002b, 2002g
	California Ground Squirrel	<i>Ostospermophilus beecheyi</i>	None	2021c, 2021g, 2002g
	Botta's Pocket Gopher	<i>Thomomys bottae</i>	None	2002e, 2002g
	Heermann's Kangaroo Rat	<i>Dipodomys heermanni</i>	None	2021c, 2002e, 2002g
	San Joaquin Pocket Mouse	<i>Perognathus inornatus</i>	None	2002b
	California Pocket Mouse	<i>Chaetodipus californicus</i>	None	2021d, 2002e, 2002g
	House Mouse	<i>Mus musculus</i>	None	2002e, 2002g
	California Vole	<i>Microtus californicus</i>	None	2021f
	Deer Mouse	<i>Peromyscus maniculatus</i>	None	2002e, 2002g
	Western Harvest Mouse	<i>Reithrodontomys megalotis</i>	None	2021d, 2021f, 2002e, 2002g
	Dusky-footed Woodrat	<i>Neotoma fuscipes</i>	None	2002e, 2002g
	Diablo Range Woodrat	<i>Neotoma fuscipes perplexa</i>	None	2021d
	Brush Mouse	<i>Peromyscus boylii</i>	None	2021d, 2002e, 2002g
	Bryant's Woodrat	<i>Neotoma bryanti intermedia</i>	None	2021d

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Mammals (cont.)	Red Fox	<i>Vulpes vulpes</i>	None	2005b
	Gray Fox	<i>Urocyon cinereoargenteus</i>	None	2005b
	Coyote	<i>Canis latrans</i>	None	2021c, 2021g, 2002b, 2002g
	Raccoon	<i>Procyon lotor</i>	None	2021c, 2002g
	American Badger	<i>Taxidea taxus</i>	CDFW:SSC	2021c, 2021e, 2002b, 2002g
	Long-tailed Weasel	<i>Mustela frenata</i>	None	2002g
	Western Spotted Skunk	<i>Spilogale gracilis</i>	None	2002g
	Striped Skunk	<i>Mephitis mephitis</i>	None	2021c, 2002g
	Mountain Lion	<i>Puma concolor</i>	Candidate CESA	2002g
	Bobcat	<i>Lynx rufus</i>	None	2021c, 2002b, 2002g
	Wild Pig	<i>Sus scrofa</i>	None	2021c, 2021g, 2002b, 2002g
	Mule Deer	<i>Odocoileus hemionus</i>	None	2021c, 2021g, 2002b, 2002g

(a) **Regulatory Status**

BGEPA = Protected under the *Bald and Golden Eagle Protection Act*
 BCC = USFWS Bird of Conservation Concern (USFWS 2021 BCC lists)
 Candidate CESA = Candidate for listing under the California Endangered Species Act
 CDFW:FP = California Department of Fish and Wildlife-Fully Protected Species (CDFW Special Animals List, January 2022)
 CDFW:SSC = California Department of Fish and Wildlife-Species of Special Concern (CDFW Special Animals List, January 2022)
 FT = Threatened under the Federal Endangered Species Act
 MBTA = Protected under the *Migratory Bird Treaty Act*
 SE = Endangered under the State Endangered Species Act
 ST = Threatened under the State Endangered Species Act

(b) **Source (Year of documentation does not indicate absence in other years.)**

1992: DOE 1992	2016a: ESA 2016	Observations by LLNL Wildlife Biologists:	
2002a: Arnold 2002	2016b: Garcia & Associates (GANDA) 2016	2002f: Scott, J.	2018: Murphy, C.
2002b: Clark et al. 2003	2021a: ECORP 2021a	2002g: Van Hattem, M. and J. Woollett	2019: Murphy, C.
2002c: Swaim 2002	2021b: ECORP 2021b	2005a: Van Hattem, M.	2020a: Aquino, P.
2002d: Weber 2002	2021c: 2021c	2005b: Woollett, J.	2020b: Murphy, C.
2002e: West 2003	2021d: 2021d	2008: Burkholder, L	2020c: Paterson, L.
2003a: LLNL 2002	2021e: LLNL 2021b	2009: Woollett, J.	2021g: Aquino, P.
2003b: Rainey and Pierson 2003	2021f: Murphy 2021	2011: Woollett, J.	
2010: Dexter 2010		2014: Woollett, J.	