Appendix E. Refuge Species List

Camman Nama	Scientific Name	Federal			Classification
Common Name		rederai	State	Occurrence	Classification
Greater White-fronted Goose	Anser albifrons				native
Snow Goose	Chen hyperborea				native
Ross's Goose	Chen rossii				native
Canada Goose	Branta canadensis			nests locally	native
Cackling Goose	Branta hutchinsii				native
Brant	Branta bernicla		SSC		native
Tundra Swan	Cygnus columbianus				native
Gadwall	Anas strepera			nests locally	native
Eurasian Wigeon	Anas penelope				native
American Wigeon	Anas americana				native
Mallard	Anas platyrhynchos			nests locally	native
Blue-winged Teal	Anas discors				native
Cinnamon Teal	Anas cyanoptera			nests locally	native
Northern Shoveler	Anas clypeata			nests locally	native
Northern Pintail	Anas acuta			nests locally	native
Green-winged Teal	Anas crecca				native
Canvasback	Aythya valisineria			nests locally	native
Redhead	Aythya americana		SSC		native
Ring-necked Duck	Aythya collaris				native
Tufted Duck	Aythya fuligula				non-native
Greater Scaup	Aythya marila				native
Lesser Scaup	Aythya affinis			nests locally	native
Surf Scoter	Melanitta perspicillata			,	native
White-winged Scoter	Melanitta fusca				native
Black Scoter	Melanitta nigra				native
Long-tailed Duck	Clangula hyemalis				native
Bufflehead	Bucephala albeola				native
Common Goldeneye	Bucephala clangula				native
Barrow's Goldeneye	Bucephala islandica				native
Hooded Merganser	Lophodytes cucullata				native
Common Merganser	Mergus merganser				native
Red-breasted Merganser	Mergus serrator				native
Ruddy Duck	Oxyura jamaicensis			nests locally	native
California Quail	Callipepla californica			ĺ	native
Ring-necked Pheasant	Phasianus colchicus			nests locally	non-native
Red-throated Loon	Gavia stellata			,	native
Pacific Loon	Gavia pacifica				native
Common Loon	Gavia immer				native
Pied-billed Grebe	Podilymbus podiceps			nests locally	native
Horned Grebe	Podiceps auritus				native
Red-necked Grebe	Podiceps grisegena				native
Eared Grebe	Podiceps nigricollis			nests locally	native
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	Colombia Nome				Classification
Common Name	Scientific Name	Federal	State	Occurrence	Classification
Western Grebe	Aechmophorus occidentalis				native
Clark's Grebe	Aechmophorus clarkii			nests locally	native
American White Pelican	Pelecanus erythrorhynchos		SSC		native
Brown Pelican	Pelecanus occidentalis				native
Brandt's Cormorant	Phalacrocorax penicillatus				native
Double-crested Cormorant	Phalacrocorax auritus			nests locally	native
Pelagic Cormorant	Phalacrocorax pelagicus				native
American Bittern	Botaurus lentiginosus				native
Least Bittern	Ixobrychus exilis		SSC		native
Great Blue Heron	Ardea herodias			nests locally	native
Great Egret	Ardea alba			nests locally	native
Snowy Egret	Egretta thula			nests locally	native
Little Blue Heron	Egretta caerulea				native
Cattle Egret	Bubulcus ibis			nests locally	native
Green Heron	Butorides virescens				native
Black-crowned Night-Heron	Nycticorax nycticorax			nests locally	native
White-faced Ibis	Plegadis chihi				native
Turkey Vulture	Cathartes aura				native
Osprey	Pandion haliaetus			nests locally	native
White-tailed Kite	Elanus coeruleus		SP	nests locally	native
Bald Eagle	Haliaeetus leucocephalus		Е		native
Northern Harrier	Circus cyaneus		SSC	nests locally	native
Sharp-shinned Hawk	Accipiter striatus				native
Cooper's Hawk	Accipiter cooperii				native
Red-shouldered Hawk	Buteo lineatus				native
Red-tailed Hawk	Buteo jamaicensis			nests locally	native
Ferruginous Hawk	Buteo regalis				native
Rough-legged Hawk	Buteo lagopus				native
Golden Eagle	Aquila chrysaetos		SP		native
American Kestrel	Falco sparverius			nests locally	native
Merlin	Falco columbarius				native
Peregrine Falcon	Falco peregrinus			nests locally	native
Prairie Falcon	Falco mexicanus				native
California Black Rail	Laterallus jamaicensis coturniculus		Т		native
California Clapper rail	Rallus longirostris obsoletus	E	Е	nests locally	native
Virginia Rail	Rallus limicola				native
Sora	Porzana carolina				native
Common Moorhen	Gallinula chloropus			nests locally	native
American Coot	Fulica americana			nests locally	native
Sandhill Crane	Grus canadensis				native
Black-bellied Plover	Pluvialis squatarola				native
American Golden-Plover	Pluvialis dominica				native

- N	Don Edwards San Francisco Bay Nation				01 101 41
Common Name	Scientific Name	Federal	State	Occurrence	Classification
Pacific Golden-Plover	Pluvialis fulva				native
Western Snowy Plover	Charadrius alexandrinus nivosus	T		nests locally	native
Semipalmated Plover	Charadrius semipalmata				native
Killdeer	Charadrius vociferus			nests locally	native
Black-necked Stilt	Himantopus mexicanus			nests locally	native
American Avocet	Recurvirostra americana			nests locally	native
Greater Yellowlegs	Tringa melanoleuca				native
Lesser Yellowlegs	Tringa flavipes				native
Willet	Catoptrophorus semipalmatus				native
Wandering Tattler	Heteroscelus incanus				native
Spotted Sandpiper	Actitis macularia				native
Whimbrel	Numenius phaeopus				native
Long-billed Curlew	Numenius americanus				native
Marbled Godwit	Limosa fedoa				native
Ruddy Turnstone	Arenaria interpres				native
Black Turnstone	Arenaria melanocephala				native
Red Knot	Calidris canutus				native
Sanderling	Calidris alba				native
Semipalmated Sandpiper	Calidris pusilla				native
Western Sandpiper	Calidris mauri				native
Least Sandpiper	Calidris minutilla				native
Baird's Sandpiper	Calidris bairdii				native
Pectoral Sandpiper	Calidris melanotos				native
Dunlin	Calidris alpina				native
Stilt Sandpiper	Calidris himantopus				native
Ruff	Philomachus pugnax				native
Short-billed Dowitcher	Limnodromus griseus				native
Long-billed Dowitcher	Limnodromus scolopaceus				native
Wilson's Snipe	Gallinago delicata				native
Wilson's Phalarope	Phalaropus tricolor				native
Red-necked Phalarope	Phalaropus lobatus				native
Red Phalarope	Phalaropus fulicaria				native
Parasitic Jaeger	Stercorarius parasiticus				native
Franklin's Gull	Larus pipixcan				native
Bonaparte's Gull	Larus Philadelphia				native
Heermann's Gull	Larus heermanni				native
Mew Gull	Larus canus				native
Ring-billed Gull	Larus delawarensis				native
California Gull	Larus californicus			nests locally	native
Herring Gull	Larus argentatus				native
Thayer's Gull	Larus thayeri				native
Western Gull	Larus occidentalis		1	nests locally	native

	on Edwards San Francisco Bay Nationa			1	Ta
Common Name	Scientific Name	Federal	State	Occurrence	Classification
Glaucous-winged Gull	Larus glaucescens				native
Glaucous Gull	Larus hyperboreus				native
Sabine's Gull	Xena sabini				native
Caspian Tern	Sterna caspia			nests locally	native
Elegant Tern	Sterna elegans				native
Common Tern	Sterna hirundo				native
Forster's Tern	Sterna forsteri			nests locally	native
California Least Tern	Sterna antillarum browni	E	Е		native
Black Tern	Chlidonias niger				native
Black Skimmer	Rynchops niger		SSC	nests locally	native
Common Murre	Uria aalge				native
Rock Dove	Columba livia				non-native
Mourning Dove	Zenaida macroura			nests locally	native
Barn Owl	Tyto alba			nests locally	native
Great Horned Owl	Bubo virginianus				native
Burrowing Owl	Athene cunicularia		SSC	nests locally	native
Short-eared Owl	Asio flammeus		SSC	nests locally	native
Vaux's Swift	Chaetura vauxi		SSC		native
White-throated Swift	Aeronautes saxatalis				native
Anna's Hummingbird	Calypte anna			nests locally	native
Rufous Hummingbird	Selasphorus rufus				native
Allen's Hummingbird	Selasphorus sasin				native
Belted Kingfisher	Ceryle alcyon				native
Red-breasted Sapsucker	Sphyrapicus ruber				native
Nuttall's Woodpecker	Picoides nuttallii				native
Downy Woodpecker	Picoides pubescens				native
Northern Flicker	Colaptes auratus				native
Western Wood-Pewee	Contopus sordidulus				native
Willow Flycatcher	Empidonax traillii				native
Pacific-slope Flycatcher	Empidonax difficilis				native
Black Phoebe	Sayornis nigricans			nests locally	native
Say's Phoebe	Sayornis saya			•	native
Ash-throated Flycatcher	Myiarchus cinerascens				native
Western Kingbird	Tyrannus verticalis				native
Loggerhead Shrike	Lanius Iudovicianus		SSC	nests locally	native
Warbling Vireo	Vireo gilvus			•	native
Western Scrub-Jay	Aphelocoma californica			nests locally	native
American Crow	Corvus brachyrhynchos			Ì	native
Common Raven	Corvus corax			nests locally	native
Horned Lark	Eremophila alpestris			nests locally	native
Purple Martin	Progne subis			ĺ	native
Tree Swallow	Tachycineta bicolor	ĺ		nests locally	native

	Scientific Name				Classification
Common Name	Scientific Name	Federal	State	Occurrence	Classification
Violet-green Swallow	Tachycineta thalassina				native
Northern Rough-winged Swallow	Stelgidopteryx serripennis				native
Bank Swallow	Riparia riparia		Т		native
Cliff Swallow	Petrochelidon pyrrhonota			nests locally	native
Barn Swallow	Hirundo rustica			nests locally	native
Chestnut-backed Chickadee	Poecile rufescens				native
Bushtit	Psaltriparus minimus			nests locally	native
Rock Wren	Salpinctes obsoletus				native
Bewick's Wren	Thryomanes bewickii			nests locally	native
House Wren	Troglodytes aedon				native
Marsh Wren	Cistothorus palustris			nests locally	native
Golden-crowned Kinglet	Regulus satrapa				native
Ruby-crowned Kinglet	Regulus calendula				native
Blue-gray Gnatcatcher	Polioptila caerulea				native
Swainson's Thrush	Catharus ustulatus				native
Hermit Thrush	Catharus guttatus				native
American Robin	Turdus migratorius				native
Varied Thrush	Ixoreus naevius				native
Northern Mockingbird	Mimus polyglottos			nests locally	native
Sage Thrasher	Oreoscoptes montanus				native
European Starling	Sturnus vulgaris				non-native
American Pipit	Anthus rubescens				native
Cedar Waxwing	Bombycilla cedrorum				native
Orange-crowned Warbler	Vermivora celata				native
Nashville Warbler	Vermivora ruficapilla				native
Yellow Warbler	Dendroica petechia		SSC		native
Yellow-rumped Warbler	Dendroica coronata				native
Townsend's Warbler	Dendroica townsendi				native
Palm Warbler	Dendroica palmarum				native
Blackpoll Warbler	Dendroica striata				native
Northern Waterthrush	Seiurus noveboracensis				native
San Francisco common yellowthroat	Geothlypis trichas sinuosa		SSC	nests locally	native
Wilson's Warbler	Wilsonia pusilla			·	native
Western Tanager	Piranga ludoviciana				native
Spotted Towhee	Pipilo maculatus				native
California Towhee	Pipilo crissalis			nests locally	native
Bryant's savannah sparrow	Passerculus sandwichensis alaudinus		SSC	nests locally	native
Nelson's Sharp-tailed Sparrow	Ammodramus nelsoni				native
Fox Sparrow	Passerella iliaca				native
Alameda song sparrow	Melospiza melodia pusillula		SSC	nests locally	native
Lincoln's Sparrow	Melospiza lincolnii			322220000	native
Swamp Sparrow	Melospiza georgiana		1		native

Common Name	Scientific Name	Federal		1	Classification
		reuerai	State	Occurrence	
White-throated Sparrow	Zonotrichia leucophrys				native
White-crowned Sparrow	Zonotrichia atricapilla				native
Golden-crowned Sparrow	Zonotrichia atricapilla				native
Dark-eyed Junco	Junco hyemalis				native
Black-headed Grosbeak	Pheucticus melanocephalus				native
Lazuli Bunting	Passerina amoena				native
Red-winged Blackbird	Agelaius phoeniceus			nests locally	native
Tricolored Blackbird	Agelaius tricolor		SSC		native
Western Meadowlark	Sturnella neglecta			nests locally	native
Brewer's Blackbird	Euphagus cyanocephalus				native
Brown-headed Cowbird	Molothrus ater				native
Hooded Oriole	Icterus cucullatus				native
Bullock's Oriole	Icterus bullockii			nests locally	native
House Finch	Carpodacus mexicanus			nests locally	native
Lesser Goldfinch	Carduelis psaltria				native
American Goldfinch	Carduelis tristis			nests locally	native
House Sparrow	Passer domesticus			nests locally	non-native
Brown Booby	Sula leucogaster			accidental	native
Magnificent Frigatebird	Fregata magnificens			accidental	native
Glossy Ibis	Plegadis falcinellus			accidental	native
Wild Turkey	Meleagris gallopavo				native
Black Oystercatcher	Haematopus bachmani			accidental	native
Solitary Sandpiper	Tringa solitaria			accidental	native
Hudsonian Godwit	Limosa haemastica			accidental	native
Bar-tailed Godwit	Limosa lapponica			accidental	native
Surfbird	Aphriza virgata			accidental	native
Little Stint	Calidris minuta			accidental	native
Sharp-tailed Sandpiper	Calidris acuminata			accidental	native
Curlew Sandpiper	Calidris ferruginea			accidental	native
Buff-breasted Sandpiper	Tryngites subruficollis			accidental	native
Little Gull	Larus minutus			accidental	native
Black-headed Gull	Larus ridibundus			accidental	native
Lesser Black-backed Gull	Larus fuscus			accidental	native
Slaty-backed Gull	Larus schistisagus			accidental	native
Arctic Tern	Sterna paradisaea			accidental	native
Ancient Murrelet	Synthliboramphus antiquus			accidental	native
Pigeon Guillemot	Cepphus columba			accidental	native
Band-tailed Pigeon	Columba fasciata				native
Chimney Swift	Chaetura pelagica			accidental	native
Black-chinned Hummingbird	Archilochus alexandri			accidental	native
Least Flycatcher	Empidonax minimus			accidental	native
Dusky Flycatcher	Empidonax oberholseri			accidental	native

Common Name	Scientific Name	Federal	State	Occurrence	Classification
Hammond's Flycatcher	Empidonax hammondii			accidental	native
Tropical Kingbird	Tyrannus melancholicus			accidental	native
Cassin's Kingbird	Tyrannus vociferans			accidental	native
Hutton's Vireo	Vireo huttoni			accidental	native
Cassin's Vireo	Vireo cassinii			accidental	native
White Wagtail	Motacilla alba			accidental	native
American Redstart	Setophaga ruticilla			accidental	native
Magnolia Warbler	Dendroica magnolia			accidental	native
Yellow-breasted Chat	Icteria virens		SSC	accidental	native
Sage Sparrow	Amphispiza belli			accidental	native
Chipping Sparrow	Spizella passerina			accidental	native
Clay-colored Sparrow	Spizella pallida			accidental	native
Brewer's Sparrow	Spizella breweri			accidental	native
Vesper Sparrow	Pooecetes gramineus			accidental	native
Lark Sparrow	Chondestes grammacus			accidental	native
Chestnut-collared Longspur	Calcarius ornatus			accidental	native
Pine Siskin	Spinus pinus			accidental	native

Common Name	Scientific Name	Federal	State	Occurrence	Classification
Virginia opossum	Didelphis virginianus			upland	non-native
salt marsh wandering shrew	Sorex vagrans halicoetes			marsh	native
Yuma myotis	Myotis yumanensis			all habitats	native
Western red bats	Lasirurs blossevillii			all habitats	native
Hoary bats	Lasiurus cinereus			all habitats	native
Mexican free-tailed bat	Tadarida brasiliensis			all habitats	native
Raccoon	Procyon lotor			all habitats	native
Common muskrat	Ondatra zibethicus			all habitats	native
Long-tailed weasel	Mustela frenata			all habitats	native
Striped skunk	Mephitis mephitis			all habitats	native
western spotted skunk	Spilogale gracilis			all habitats	native
Gray fox	Urocyon cinereoargenteus			all habitats	native
Red fox	Vulpes vulpes			all habitats	non-native
Mountain lion	Felis concolor		FP	all habitats	native
Pacific harbor seal	Phoca vitulina richardsi			tidal sloughs	native
California ground squirrel	Spermophilus beecheyi			upland	native
Botta's pocket gopher	Thomomys bottae			upland	native
Western harvest mouse	Reithrodontomys megalotis			all habitats	native
Salt marsh harvest mouse	raviventris	Е	Е	marsh	native
House mouse	Mus musculus			all habitats	non-native
Deer mouse	Peromyscus maniculatus			all habitats	native
California vole	Microtus californicus			all habitats	native
Norway rat	Rattus norvegicus			all habitats	non-native
Black rat	Rattus rattus			all habitats	non-native
Brush rabbit	Sylvilagus bachmani			upland	native
Audubon's cottontail	Sylvilagus audubonii			upland	native
Black-tailed jackrabbit	Lepus californicus			upland	native

Don Edwards San Francisco Bay National Wildlife Refuge Amphibian and Reptile List

Common Name	Scientific Name	Federal	State	Occurrence	Classification
California tiger salamander	Ambystoma californiense	Т	Е	Known	native
Arboreal salamander	Aneides lugubris			Possible	native
California slender salamander	Batrachoseps attenuatus			Possible	native
Pacific tree frog	Pseudacris regilla			Known	native
Western fence lizard	Sceloporus occidentalis			Known	native
Western skink	Eumeces skiltonianus			Possible	native
Southern alligator lizard	Elgaria multicarinata			Known	native
Gopher snake	Pituophis melanoleuca			Known	native
Common garter snake	Thamnophis sirtalis			Known	native
Western terrestrial garter snake	Thamnophis elegans			Known	native
Western rattlesnakes	Crotalus oreganus			Known	native
Western pond turtle	Clemmys marmorata		SC	Known	native

Common Name	Scientific Name	Federal	State	Occurrence	Classification
Leopard shark	Triakis semifasciata			present in tidal waters and ponds	native
Soupfin shark	Galeorhinus galeus			present in tidal waters	native
Brown smoothhound	Mustelus henlei			present in tidal waters and ponds	native
Big skate	Raja binoculata			present in tidal waters	native
Spiny dogfish	Squalus acanthias			present in tidal waters	native
California skate	Raja inornata			present in tidal waters	native
Bat ray	Myliobatis californica			present in tidal waters and ponds	native
Green sturgeon	Acipenser medirostris	Т		present in tidal waters	native
American shad	Alosa sapidissima			present in tidal waters	non-native
Pacific herring	Clupea pallasii			present in tidal waters	native
Threadfin shad	Dorosma petenense			present in tidal waters	non-native
Pacific sardine	Sardinops sagax			present in tidal waters	native
Northern anchovy	Engraulis mordax			present in tidal waters and ponds	native
Chinook salmon	Oncorhynchus tshawytscha	Е	Е	present in tidal waters	native
Steelhead (Central California Coast DPS)	Oncorhynchus mykiss	Т		present in tidal waters	native
Longfin smelt	Spirinchus thaleichthys		Т	present in tidal waters	native
Common carp	Cyprinus carpio			present in tidal waters	non-native
Sacramento sucker	Catostomus occidentalis occidentalis			present in tidal waters	native
Pacific whiting (hake)	Merluccius productus			present in tidal waters	native
Plainfin midshipman	Porichthys notatus			present in tidal waters	native
Rainwater killifish	Lucania parva			present in tidal waters and ponds	non-native
Topsmelt	Atherinops affinis			present in tidal waters and ponds	native
Mississippi silversides	Menidia audens			present in tidal waters and ponds	non-native
Jacksmelt	Atherinopsis californiensis			present in tidal waters	native
Threespine sticklebacks	Gasterosteus aculeatus			present in tidal waters and ponds	native
Bay pipefish	Syngnathus leptorhynchus			present in tidal waters and ponds	native
Brown rockfish	Sebastes auriculatus			present in tidal waters	native
Bocaccio	Sebastes paucispinis			rare in tidal waters	non-native
Calico rockfish	Sebastes dalli			rare in tidal waters	native
Kelp greenling	Hexagrammos decagrammus			present in tidal waters	native
Lingcod	Ophiodon elongatus			present in tidal waters	native
Prickly sculpin	Cottus asper			present in tidal waters and ponds	native
Pacific staghorn sculpin	Leptocottus armatus			present in tidal waters and ponds	native
Cabezon	Scorpaenichthys marmoratus			rare in tidal waters	non-native
Striped bass	Morone saxatilis			present in tidal waters and ponds	non-native
Jackmackerel	Trachurus symmetricus			present in tidal waters	native
White croaker	Genyonemus lineatus			present in tidal waters	native
Shiner surfperch	Cymatogaster aggregata			present in tidal waters and ponds	native
Barred surfperch	Amphistichus argenteus			present in tidal waters and ponds	native
Yellowfin goby	Acanthogobius flavimanus			present in tidal waters and ponds	non-native
Arrow goby	Clevelandia ios			present in tidal waters	native
Longjaw mudsucker	Gillichthys mirabilis			present in tidal waters and ponds	native
Cheekspot goby	llypnus gilberti			present in tidal waters	native
Bay goby	Lepidogobius lepidus			present in tidal waters	native
Chameleon goby	Tridentiger trigonocephalus			present in tidal waters and ponds	non-native

Shimofuri goby	Tridentiger bifasciatus	present in tidal waters and ponds	non-native				
Shokahaze goby	Tridentiger barbatus	present in tidal waters and ponds	non-native				
Pacific sanddab	Citharichthys sordidus	present in tidal waters	native				
Speckled sanddab	Citharichthys stigmaeus	present in tidal waters and ponds	native				
California halibut	Paralichthys californicus	present in tidal waters	native				
Rex sole	Glyptocephalus zachirus	rare in tidal waters	native				
Diamond turbot	Hypsopsetta guttulata	present in tidal waters and ponds	native				
English sole	Parophrys vetulus	present in tidal waters	native				
Starry flounder	Platichthys stellatus	present in tidal waters	native				
Curlfin sole	Pleuronichthys decurrens	present in tidal waters	native				
Sand sole	Psettichthys melanostictus	present in tidal waters	native				