Lake: Del Valle, Alameda Co.

Bay Delta Region Pre-Stocking Evaluation

Decision Species potentially affected by Trout Hatchery and Stocking Programs in the Central Region.

Common Name	Scientific Name	Mitigation Required	Historic Range	Habitat Present	Species Present	Reference
Invertebrates						
California freshwater shrimp	*Syncaris pacifica*	No	No	No	No	Reference: EBRPD biologists
Lampreys						
River lamprey	*Lampetra ayresii*	No	Yes	No	No	
Freshwater and Estuarine Fish						
Hardhead	*Mylopharodon conocephalus*	No	Maybe	No	No	
Sacramento perch (within native range only)	*Archoplites interruptus*	No	Yes, maybe	Yes	No	
Salmonid Fish						
Steelhead (Central Valley DPS)	*Oncorhynchus mykiss irideus*	Yes	N/A	N/A	N/A	
Steelhead (central California coast DPS)	*Oncorhynchus mykiss irideus*	Yes	Yes	Not in Res.	No	Hatchery Rainbow trout have never been observed spawning in Arroyo Del Valle above or below Del Valle Res. P. Alexander
Steelhead (south/central California coast DPS)	*Oncorhynchus mykiss irideus*	Yes	N/A	N/A	N/A	
Coho salmon (central California coast ESU)	*Oncorhynchus kisutch*	No	Possible	No	No	
Chinook salmon (California coastal ESU)	*Oncorhynchus tshawytscha*	Yes	Possible	No	No	
Chinook salmon (Central Valley fall-/late fall–run ESU)	*Oncorhynchus tshawytscha*	Yes	N/A	N/A	N/A	

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Amphibians						
California tiger salamander	*Ambystoma californiense*	Yes	Yes	Yes, in watershed	Not in the Res.	All references: EBRPD biologists
Long-toed salamander	*Ambystoma macrodactylum*	No	No	No	No	
Santa Cruz long-toed salamander	*Ambystoma macrodactylum croceum*	No	No	No	No	
California giant salamander	*Dicamptodon ensatus*	No	No	No	No	
Pacific giant salamander	*Dicamptodon tenebrosus*	No	No	No	No	
Rough-skinned newt	*Taricha granulosa*	No	Yes	Yes	No	T. torosa present in watershed
Red-bellied newt	*Taricha rivularis*	No	No	No	No	
Western spadefoot	Spea (=Scaphiopus) hammondii	No	Yes	Yes	No	
Western toad	*Bufo boreas*	No	Yes	Yes	Yes	
Pacific treefrog	*Hyla (=Pseudacris) regilla*	No	Yes	Yes	Yes	
California red-legged frog	*Rana draytonii*	Yes	Yes	Yes	Not in the Res. In watershed	
Foothill yellow-legged frog	*Rana boylii*	Yes	Yes	Yes, upstream of Res.	Not in the Res.	
Reptiles						
Western pond turtle	*Clemmys marmorata*	No	Yes	Yes	Yes	
Common garter snake	*Thamnophis sirtalis*	No	Yes	Yes	Yes	
Giant garter snake	*Thamnophis gigas*	No	No	No	No	
San Francisco garter snake	*Thamnophis sirtalis tetrataenia*	Yes	No	No	No	
Birds						

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Bald eagle	*Haliaeetus leucocephalus*	No	Yes	Yes	Yes	Observed feeding on lake fish. Currently nesting upstream of Del Valle Res.
Golden eagle		Yes	Yes	Yes	Yes	Frequently observed. Nesting adjacent to Del Valle Res.
Osprey	*Pandion haliaetus*	No	Yes	Yes	Yes	Frequently observed feeding on lake fish
Willow flycatcher (except southwestern subspecies)	*Empidonax traillii*	Yes	No	No	No	

Supplemental Evaluation Species potentially affected by Trout Hatchery and Stocking Programs where stocking currently occurs.

Common Name	Scientific Name	Mitigation Required	Historic Range	Habitat Present	Species Present	Reference
Birds						
Fish Eating Birds		No	Yes	Yes	Yes	
Western Grebe	*Aechmophorus occidentalis*	No	Yes	Yes	Yes	
Clark's Grebe	*A. clarkia*	No	Yes	Yes	Yes	
Double-crested Cormorant (rookery site)	*Phalacrocorax auritus*	No	Yes	Yes	Yes, No Rookery	
Common Loon (nesting)	*Gavia immer*	No	No	No	No	
Caspian Tern (nesting colony)	*Hydroprogne caspia*	No	Yes	Yes	Yes, no nesting	

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Black Tern (nesting colony)	*Chlidonias niger*	No	No	No	No	
Green Heron	*Butorides virescens*	No	Yes	Yes	Yes	
Invertebrate Eating Birds		No				
Spotted Sandpiper	*Actitis macularia*	No	Yes	Yes	Yes	
Black Swift (nesting)	*Cypseloides niger*	No	Yes	Yes	Yes	
Vaux's Swift (nesting)	*Chaetura vauxi*	No	Yes	Yes	Yes	
Bank Swallow (nesting)	*Riparia riparia*	Yes	Yes	Yes	Yes	Riparian banks
American Dipper	*Cinclus mexicanus*	No	Yes	Yes	Yes	Streams
Yellow Warbler (nesting)	*Dendroica petechia*	No	Yes	Yes	Yes	
Orange-Crowned Warbler	*Vermivora celata*	No	Yes	Yes	Yes	
Warbling Vireo	*Vireo gilvus*	No	Yes	Yes	Yes	
Swainson's Thrush	*Catharus ustulatus*	No	Yes	Yes	Yes	
Opportunistic Feeders		No				
Redhead (nesting)	*Aythya americana*	No	Yes	Delta?	Yes, no nesting	
Least Bittern (nesting)	*Ixobrychus exilis*	No	No	No	No	
Common Merganser	*Mergus merganser*	No	Yes	Yes	Yes	All piciverous birds listed here & below have been observed feeding on lake fish.
Gulls	*Larus spp.*	No	Yes	Yes	Yes	
Great blue heron (rookery site)	*Ardea herodias*	No	Yes	Yes	Yes, No rookery site	
Great Egret (rookery site)	*Ardea alba*	No	Yes	Yes	Yes, No rookery site	

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Snowy Egret (rookery site)	*Egretta thula*	No	Yes	Yes	Yes, No rookery site	
Black-crowned Night-heron (rookery site)	*Nycticorax nycticorax*	No	Yes	Yes	Yes, No rookery site	
California Black Rail	*Laterallus jamaicensis coturniculus*	Yes	Yes	Yes	No	
Western Yellow-billed Cuckoo (nesting)	*Coccyzus americanus occidentalis*	No	Yes	Yes	No	Riparian
Belted Kingfisher	*Megaceryle alcyon*	No	Yes	Yes	Yes	EBRPD sightings
Yellow-breasted Chat (nesting)	*Icteria virens*	No	Yes	Yes	Yes	Requires riparian thickets near watercourses.
Mammals						
Aquatic or Riparian Dependent Species		No				
Water shrew	*Sorex palustris*	No	No	No	No	Found in higher elevations
River otter	*Lontra canadensis*	No	Yes	Yes	No	
Species that Utilize Both Riparian and Uplands		No				
Townsend's big-eared bat	*Corynorhinus townsendii*	No	Unknown	Yes	Possible	Occur in Sunol
Pallid bat	*Antrozous pallidus*	No	Unknown	Yes	Yes	
Spotted bat	*Euderma maculatum*	No	Unknown	Unknown	Unlikely	No known work on this species in our region
Western red bat	*Lasiurus blossevillii*	No	Unknown	Yes	Possible	

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Western mastiff bat	*Eumops perotis califomicus*	No	Unknown	Yes	Unlikely	
Fringed myotis	*Myotis thysanodes*	No	Unknown	Yes	Yes	
Big free-tailed bat	*Nyctinomops macrotis*	No	Unknown	Yes	Unlikely	
Upland Species		No				
Sonoma tree vole	*Arborimus pomo*	No	No	No	No	coniferous tree