

Appendix S2. Flow-sensitive fish species list for California

List of California native fish species sensitive to flow alteration. Screening of California dams focused on the 42 species with conservation status of 1 or 2 (endangered or vulnerable, per Moyle et al. 2011).

Common Name	Scientific Name	Conservation Status
Pacific lamprey	<i>Entosphenus tridentata</i>	3-Watch List
Klamath River lamprey	<i>Entosphenus similis</i>	3-Watch List
River lamprey	<i>Lampetra ayersi</i>	3-Watch List
Kern brook lamprey	<i>Lampetra hubbsi</i>	2-Vulnerable
Western brook lamprey	<i>Lampetra richardsoni</i>	3-Watch List
Northern green sturgeon	<i>Acipenser medirostris</i>	2-Vulnerable
Southern green sturgeon	<i>Acipenser medirostris</i>	1-Endangered
White sturgeon	<i>Acipenser transmontanus</i>	2-Vulnerable
Owens tui chub	<i>Siphatales bicolor snyderi</i>	1-Endangered
Blue chub	<i>Gila coerulea</i>	3-Watch List
Arroyo chub	<i>Gila orcutti</i>	2-Vulnerable
Sacramento hitch	<i>Lavinia exilicauda exilicauda</i>	3-Watch List
Monterey hitch	<i>Lavinia exilicauda harengus</i>	2-Vulnerable
Central California roach	<i>Lavinia symmetricus symmetricus</i>	3-Watch List
Red Hills roach	<i>Lavinia symmetricus subspecies</i>	2-Vulnerable
Monterey roach	<i>Lavinia symmetricus subditus</i>	3-Watch List
Tomales Roach	<i>Lavinia symmetricus subspecies</i>	3-Watch List
Northern roach	<i>Lavinia mitrulus</i>	2-Vulnerable
Sacramento splittail	<i>Pogonichthys macrolepidotus</i>	2-Vulnerable
Hardhead	<i>Mylopharodon conocephalus</i>	3-Watch List
Sacramento pikeminnow	<i>Ptychocheilus grandis</i>	4-Relatively Secure
Sacramento speckled dace	<i>Rhinichthys osculus subspecies</i>	4-Relatively Secure
Lahontan speckled dace	<i>Rhinichthys osculus robustus</i>	4-Relatively Secure

Owens speckled dace	<i>Rhinichthys osculus subspecies</i>	1-Endangered
Santa Ana speckled dace	<i>Rhinichthys osculus subspecies</i>	1-Endangered
Lahontan mountain sucker	<i>Catostomus platyrhynchus</i>	3-Watch List
Sacramento sucker	<i>Catostomus occidentalis occidentalis</i>	4-Relatively Secure
Monterey sucker	<i>Catostomus occidentalis mnioltiltus</i>	4-Relatively Secure
Modoc sucker	<i>Catostomus microps</i>	1-Endangered
Klamath largescale sucker	<i>Catostomus snyderi</i>	2-Vulnerable
Lost River sucker	<i>Catostomus luxatus</i>	1-Endangered
Santa Ana sucker	<i>Catostomus santaanae</i>	1-Endangered
Shortnose sucker	<i>Chasmistes brevirostris</i>	2-Vulnerable
Razorback sucker	<i>Xyrauchen texanus</i>	1-Endangered
Longfin smelt	<i>Spirinchus thaleichthys</i>	2-Vulnerable
Delta smelt	<i>Hypomesus pacificus</i>	1-Endangered
Mountain whitefish	<i>Prosopium williamsoni</i>	3-Watch List
Upper Klamath-Trinity fall Chinook salmon	<i>Oncorhynchus tshawytscha</i>	2-Vulnerable
Upper Klamath-Trinity spring Chinook salmon	<i>Oncorhynchus tshawytscha</i>	1-Endangered
California Coast fall Chinook salmon	<i>Oncorhynchus tshawytscha</i>	2-Vulnerable
Central Valley winter Chinook salmon	<i>Oncorhynchus tshawytscha</i>	2-Vulnerable
Central Valley spring Chinook salmon	<i>Oncorhynchus tshawytscha</i>	2-Vulnerable
Central Valley late fall Chinook salmon	<i>Oncorhynchus tshawytscha</i>	1-Endangered
Central Valley fall Chinook salmon	<i>Oncorhynchus tshawytscha</i>	2-Vulnerable
Central coast coho salmon	<i>Oncorhynchus kisutch</i>	1-Endangered
Southern Oregon Northern California coast coho salmon	<i>Oncorhynchus kisutch</i>	1-Endangered
Northern California coast winter steelhead	<i>Oncorhynchus mykiss</i>	3-Watch List
Northern California coast summer steelhead	<i>Oncorhynchus mykiss</i>	1-Endangered
Klamath Mountains Province winter steelhead	<i>Oncorhynchus mykiss</i>	3-Watch List

Klamath Mountains Province summer steelhead	<i>Oncorhynchus mykiss</i>	1-Endangered
Central California coast winter steelhead	<i>Oncorhynchus mykiss</i>	2-Vulnerable
South Central California coast steelhead	<i>Oncorhynchus mykiss</i>	2-Vulnerable
Southern California steelhead	<i>Oncorhynchus mykiss</i>	1-Endangered
Kern River rainbow trout	<i>Oncorhynchus mykiss gilberti</i>	1-Endangered
Lahontan cutthroat trout	<i>Oncorhynchus clarki henshawi</i>	2-Vulnerable
Desert pupfish	<i>Cyprinodon macularius</i>	1-Endangered
Owens pupfish	<i>Cyprinodon radiosus</i>	1-Endangered
Bigeye marbled sculpin	<i>Cottus klamathensis macrops</i>	2-Vulnerable
Lower Klamath marbled sculpin	<i>Cottus klamathensis polyporus</i>	3-Watch List
Upper Klamath marbled sculpin	<i>Cottus klamathensis klamathensis</i>	3-Watch List
Riffle sculpin	<i>Cottus gulosus</i>	3-Watch List
Pit sculpin	<i>Cottus pitensis</i>	4-Relatively Secure
Inland threespine stickleback	<i>Gasterosteus aculeatus microcephalus</i>	4-Relatively Secure
Unarmored threespine stickleback	<i>Gasterosteus aculeatus williamsoni</i>	1-Endangered
Sacramento perch	<i>Archoplites interruptus</i>	1-Endangered
Sacramento tule perch	<i>Hysterocarpus traskii traskii</i>	3-Watch List
Tidewater Goby	<i>Eucyclogobius newberryi</i>	2-Vulnerable

References

Moyle PB, Katz JVE, Quiñones RM. 2011. Rapid decline of California's native inland fishes: a status assessment. *Biological Conservation* 144: 2414-2423.