

TABLE X-18.—SPECIES GROUPS AND ASSOCIATED SPECIES FOR THE NORTHERN CALIFORNIA REGIONAL STUDY—  
Continued

Group evaluated	Species	Commercial	Recreational	Forage	Special status
Herrings	Shadow goby			X	
	Yellowfin goby			X	
	Pacific herring	X	X		
	Pacific sardine	X	X		
Rock crabs	Other herrings		X		
	Slender crab			X	
	Brown rock crab		X		
	Hairy rock crab			X	
Rockfishes	Red rock crab	X	X		
	Slender rock crab			X	
	Yellow crab		X		
	Aurora rockfish	X	X		
	Black and yellow rockfish	X	X		
	Black rockfish	X	X		
	Blue rockfish	X	X		
	Boccacio	X	X		
	Brown rockfish	X	X		
	California scorpionfish	X	X		
	Chilipepper	X	X		
	Copper rockfish	X	X		
	Gopher rockfish	X	X		
	Grass rockfish	X	X		
	Kelp rockfish	X	X		
	Olive rockfish	X	X		
	Shortbelly rockfish	X	X		
	Yellowtail rockfish	X	X		
	Other rockfish	X	X		
Sculpins	Other sculpins <sup>c</sup>	X	X		
Silversides	Jacksmelt		X		
	Other silversides <sup>d</sup>		X		
Smelts	Surf smelt	X	X		
	Other smelts <sup>e</sup>	X	X		
Surfperches	Barred surfperch	X	X		
	Black surfperch	X	X		
	Pile surfperch	X	X		
	Shiner perch	X	X		
	Striped surfperch	X	X		
	Walleye surfperch	X	X		
	White surfperch	X	X		
	Other surfperch <sup>f</sup>	X	X		
Chinook salmon	Chinook salmon				X (FT, ST, FE, SE, FCT)
Delta smelt	Delta smelt				X (FT, ST)
Green sturgeon	Green sturgeon				X (SOC)
Longfin smelt	Longfin smelt				X (SOC)
Sacramento splittail	Sacramento splittail				X (FT)
Steelhead	Steelhead				X (FT)
Striped bass	Striped bass		X		
Herrings	American shad		X		

<sup>a</sup> Other bay shrimp includes Alaskan bay shrimp, black tailed bay shrimp, blackspotted bay shrimp, Franciscan bay shrimp, smooth bay shrimp, and spotted bay shrimp.

<sup>b</sup> Other flounders includes CO Turbot, curfin turbot, diamond turbot, fantail sole, honeyhead turbot, slender turbot, and speckled turbot.

<sup>c</sup> Other sculpin includes bonyhead sculpin, brown Irish lord, buffalo sculpin, coralline sculpin, fluffy sculpin, manacled sculpin, pacific staghorn sculpin, prickly sculpin, rosy sculpin, roughcheek sculpin, smoothhead sculpin, snubnose sculpin, staghorn sculpin, tidepool sculpin, and wooly sculpin.

<sup>d</sup> Other silversides includes topsmelt.

<sup>e</sup> Other smelts includes night smelt and popeye blacksmelt.

<sup>f</sup> Other surfperch includes dwarf surfperch, kelp surfperch, rainbow surfperch, and spotfin surfperch.

FT = federally listed as threatened

ST = state listed as threatened

FE = federally listed as endangered

SE = state listed as endangered

FCT = federal candidate for listing as threatened

SOC = species of concern

Available impingement and entrainment data indicate that 20 of a total of 92 distinct species that are impinged and entrained by northern

California facilities are harvested species subject to FMP's developed by the PPMC. Table X-19 summarizes information on the stock status of these

species. Note that stock status is known for only 4 of these species. Most of the species listed are rockfish species. Northern anchovy falls under the