

S2 Table. List of species used in each analysis and total catch numbers in the study's dataset (March to August for 26 sites within the Delta between 1995 and 2015).

Q1: Species Catch Pattern	Q2: Fish Community Composition	Q3: Biomass	Latin Name	Family	Total Catch
American Shad	American Shad	American Shad	<i>Alosa sapidissima</i>	Clupeidae	3,274
Bigscale Logperch	Bigscale Logperch	Bigscale Logperch	<i>Percina macrolepida</i>	Percidae	1,263
		Black Bullhead	<i>Ameiurus melas</i>	Ictaluridae	34
		Unknown Black Bass	<i>Micropterus spp.</i>	Centrarchidae	255
	Black Crappie	Black Crappie	<i>Pomoxis nigromaculatus</i>	Centrarchidae	257
Bluegill	Bluegill	Bluegill	<i>Lepomis macrochirus</i>	Centrarchidae	7,274
		Brown Bullhead	<i>Ameiurus nebulosus</i>	Ictaluridae	25
		California Roach	<i>Hesperoleucus symmetricus</i>	Cyprinidae	32
		Chameleon Goby	<i>Tridentiger trigonocephalus</i>	Gobiidae	33
		Channel Catfish	<i>Ictalurus punctatus</i>	Ictaluridae	10
	Common Carp	Common Carp	<i>Cyprinus carpio</i>	Cyprinidae	1,845
Delta Smelt	Delta Smelt	Delta Smelt	<i>Hypomesus transpacificus</i>	Osmeridae	1,295
Fathead Minnow	Fathead Minnow	Fathead Minnow	<i>Pimephales promelas</i>	Cyprinidae	2,259
		Goldfish	<i>Carassius auratus</i>	Cyprinidae	42
Golden Shiner	Golden Shiner	Golden Shiner	<i>Notemigonus crysoleucas</i>	Cyprinidae	6,730
		Green Sunfish	<i>Lepomis cyanellus</i>	Centrarchidae	64
	Hardhead	Hardhead	<i>Mylopharodon conocephalus</i>	Cyprinidae	131
Hitch	Hitch	Hitch	<i>Lavinia exilicauda</i>	Cyprinidae	1,445
Mississippi Silverside	Mississippi Silverside	Mississippi Silverside	<i>Menidia audens</i>	Atherinopsidae	1,118,510
Largemouth Bass	Largemouth Bass	Largemouth Bass	<i>Micropterus salmoides</i>	Centrarchidae	8,345
		Longfin Smelt	<i>Spirinchus thaleichthys</i>	Osmeridae	29
		Pacific Herring	<i>Clupea pallasii</i>	Clupeidae	18
	Pacific Staghorn Sculpin	Pacific Staghorn Sculpin	<i>Leptocottus armatus</i>	Cottidae	908
Prickly Sculpin	Prickly Sculpin	Prickly Sculpin	<i>Cottus asper</i>	Cottidae	999
Rainwater Killifish	Rainwater Killifish	Rainwater Killifish	<i>Lucania parva</i>	Fundulidae	2,778
Red Shiner	Red Shiner	Red Shiner	<i>Cyprinella lutrensis</i>	Cyprinidae	120,282
Redear Sunfish	Redear Sunfish	Redear Sunfish	<i>Lepomis microlophus</i>	Centrarchidae	9,934
		Redeye Bass	<i>Micropterus coosae</i>	Centrarchidae	20
	Sacramento Blackfish	Sacramento Blackfish	<i>Orthodon microlepidotus</i>	Cyprinidae	127
Sacramento Pikeminnow	Sacramento Pikeminnow	Sacramento Pikeminnow	<i>Ptychocheilus grandis</i>	Cyprinidae	11,080
Sacramento Sucker	Sacramento Sucker	Sacramento Sucker	<i>Catostomus occidentalis</i>	Catostomidae	35,149

Shimofuri Goby	Shimofuri Goby	Shimofuri Goby	<i>Tridentiger bifasciatus</i>	Gobiidae	2,796
		Shokihaze Goby	<i>Tridentiger barbatus</i>	Gobiidae	3
	Smallmouth Bass	Smallmouth Bass	<i>Micropterus dolomieu</i>	Centrarchidae	325
Splittail	Splittail	Splittail	<i>Pogonichthys macrolepidotus</i>	Cyprinidae	86,258
	Spotted Bass	Spotted Bass	<i>Micropterus punctulatus</i>	Centrarchidae	1,660
		Starry Flounder	<i>Platichthys stellatus</i>	Pleuronectidae	58
Striped Bass	Striped Bass	Striped Bass	<i>Morone saxatilis</i>	Moronidae	4,212
Threadfin Shad	Threadfin Shad	Threadfin Shad	<i>Dorosoma petenense</i>	Clupeidae	148,819
Three-spined Stickleback	Three-spined Stickleback	Three-spined Stickleback	<i>Gasterosteus aculeatus</i>	Gasterosteidae	1,120
Tule Perch	Tule Perch	Tule Perch	<i>Hysterocarpus traskii</i>	Embiotocidae	6,408
	Wakasagi	Wakasagi	<i>Hypomesus nipponensis</i>	Osmeridae	1,052
		Warmouth	<i>Lepomis gulosus</i>	Centrarchidae	24
Western Mosquitofish	Western Mosquitofish	Western Mosquitofish	<i>Gambusia affinis</i>	Poeciliidae	13,569
		White Catfish	<i>Ameiurus catus</i>	Ictaluridae	41
		White Crappie	<i>Pomoxis annularis</i>	Centrarchidae	77
Yellowfin Goby	Yellowfin Goby	Yellowfin Goby	<i>Acanthogobius flavimanus</i>	Gobiidae	13,990