

Summarized statewide trawl landed and bycatch species and categories.

Source: WCGOP observer data, Open Access trawl, 2016-22.

Anadromous		Finfish (other)		Mammals & birds	
Elasmobranch		Flatfish		Rockfish complex	
Biogenic Inverts		Crustaceans		Echinoderm	
Invert-Other		Mollusks			

*Individual species in bold identified by Free (2022) as a top 40 species landed or discarded in the northern and southern halibut trawl fisheries.

**Italicized species were observed only south of Point Arguello.

*** Unid= unidentified species

Anadromous
American Shad
Chinook (King) Salmon
Coho (Silver) Salmon
Green Sturgeon
Striped Bass
White Sturgeon

Elasmobranch
<i>Aleutian Skate</i>
<i>Banded Guitarfish</i>
Bat Ray
Big Skate
Bonito (Shortfin Mako) Shark
<i>Brown Cat Shark</i>
Brown Smoothhound Shark
<i>California Butterfly Ray</i>
California Skate
Common Thresher Shark
<i>Diamond Stingray</i>
Egg Case Unid
Gray Smoothhound Shark
Horn Shark
Leopard Shark
Longnose Skate
Pacific Angel Shark
<i>Pacific Electric Ray</i>
Ray Unid
<i>Round Stingray</i>
Sandpaper Skate
Sevengill Shark
Shark Unid
Shovelnose Guitarfish

Elasmobranch-cont
Sixgill Shark
<i>Skate Unid</i>
<i>Smoothhound Unid</i>
Soupin Shark
Spiny Dogfish Shark
Starry Skate
Swell Shark
Thornback
Thresher Shark Unid

Finfish (other)
<i>Anchovy Unid</i>
<i>Anglerfish Unid</i>
<i>Barred Sand Bass</i>
<i>Bass Unid</i>
Bay Pipefish
<i>Bigfin Eelpout</i>
<i>Blacksmith</i>
Buffalo Sculpin
<i>Bull Sculpin</i>
California Barracuda
<i>California Lizardfish</i>
Combfish Unid
<i>Croaker Unid</i>
<i>Cusk-eel Unid</i>
<i>Eelpout Unid</i>
<i>Finescale Triggerfish</i>
Fish Unid
Giant sea bass
Jack Mackerel
<i>Kelp Bass</i>

Finfish (other)-cont
<i>Longspine Combfish</i>
<i>Lumptail Searobin</i>
Mackerel Unid
Midshipman Unid
Mola Mola (Sunfish)
Non-Eulachon Smelt Unid
Northern Anchovy
<i>Ocean Whitefish</i>
Pacific Argentine
Pacific Butterfish
Pacific Cod
<i>Pacific Grenadier</i>
Pacific Hake
Pacific Herring
Pacific Mackerel
<i>Pacific Pomfret</i>
Pacific Sandlance
Pacific Sardine
Pacific Staghorn Sculpin
Pacific Tom Cod
<i>Painted Greenling</i>
Pile Surfperch
Pink Surfperch
<i>Plainfin Midshipman</i>
Poacher Unid
<i>Queenfish</i>
Rubberlip Surfperch
Sablefish
<i>Sarcastic Fringehead</i>
Sculpin Unid
Shiner Surfperch
Smooth Stargazer

Finfish (other)-cont
<i>Snubnose Pipefish</i>
<i>Specklefin Midshipman</i>
<i>Splitnose Searobin</i>
Spotfin Surfperch
<i>Spotted Batfish</i>
Spotted Ratfish
<i>Spotted Sand Bass</i>
Surfperch Unid
Threadfin Sculpin
White Croaker
White Sea Bass
Wolf-eel

Flatfish
Arrowtooth Flounder
Bigmouth Sole
<i>Butter Sole</i>
California Halibut
California Tonguefish
<i>C-O (C-O Turbot) Sole</i>
Curlfin Sole
Deepsea Sole
Diamond Turbot
Dover Sole
English Sole
Fantail Sole
Flatfish Unid
Flathead Sole
Hornyhead Turbot
Longfin Sanddab
Pacific Sanddab
Petrale Sole

Flatfish-cont
Rex Sole
Rock Sole
Sand Sole
Sanddab Unid
Slender Sole
Speckled Sanddab
Spotted Turbot
Starry Flounder

Rockfish Complex
<i>Bocaccio Rockfish</i>
<i>Bronzespotted Rockfish</i>
Brown Rockfish
<i>Cabezon</i>
Calico Rockfish
California Scorpionfish
<i>California Sheephead</i>
Canary Rockfish
Chilipepper Rockfish
Copper Rockfish
<i>Gopher Rockfish</i>
<i>Halfbanded Rockfish</i>
Kelp greenling (California)
<i>Kelp Rockfish</i>
Lingcod
Longspine Thornyhead
<i>Mexican Rockfish</i>
Nearshore Rockfish Unid
Quillback Rockfish
Redbanded Rockfish

Rockfish Complex-cont
Rosy Rockfish
<i>Shelf Rockfish Unid</i>
Speckled Rockfish
<i>Squarespot Rockfish</i>
Stripetail Rockfish
<i>Vermilion Rockfish</i>
Yellowtail Rockfish

Mammals and Birds
California Sea Lion
Harbor Porpoise
Harbor Seal
Northern Elephant Seal
Stellar Sea Lion
Brandts Cormorant
Western Grebe

Biogenic Invertebrates
<i>Gorgonian Coral Unid</i>
<i>Horny Gorgonian</i>
Sea Anemone Unid
<i>Sea Pansy</i>
Sea Pen
<i>Sea Whip</i>
Soft Coral
Sponge Unid

Crustaceans
Armed Box Crab
Brown Box Crab
<i>California King Crab</i>
<i>California Spiny Lobster</i>
Crab Unid
Crustacean Unid
Decorator/Spider Crab
Dungeness Crab
Graceful Crab
Hermit Crab Unid
Isopod Unid
<i>Kelp Crab Unid</i>
<i>King Crab Unid</i>
<i>Lyre Crab Unid</i>
<i>Mantis Shrimp</i>
Masking Crab
Pacific Rock Crab
<i>Purple Globe Crab</i>
Red Rock Crab
<i>Ridgeback Prawn</i>
Rock Crab
<i>Scarlet King Crab</i>
Sheep Crab
Shrimp Unid
<i>Spiny King Crab</i>
Spiny Lobster Unid
<i>Spot Prawn</i>
<i>Squat Lobster Unid</i>
<i>Xantus Swimming Crab</i>
Yellow Rock crab

Echinoderms
<i>Brittle/Basket Star Unid</i>
<i>CA Sea Cucumber</i>
Irregular Echinoid
Sand Dollar Unid
<i>Sea Cucumber Unid</i>
Sea Star Unid
Urchin Unid

Invertebrate Other
<i>Ectoprocta Unid</i>
Invertebrate Unid
Jellyfish Unid
Pyrosome Unid
Salp Unid
Tunicate Unid
<i>Worm Unid</i>

Mollusks
<i>Bivalve Unid</i>
Bobtail Squid
<i>Humboldt Squid</i>
<i>Market Squid</i>
<i>Mollusk Unid</i>
<i>Non-Humboldt Squid Unid</i>
Nudibranch Unid
Octopus Unid
<i>Scallop Unid</i>
Sea Snail Unid
Squid Unid