

CHAPTER 3 AREAS AND STOCKS INVOLVED

The management regime of this FMP applies to:

1. The U.S. EEZ of the northeast Pacific ocean that lies between the U.S.-Canada border (as specified in *Federal Register*, Volume 42, Number 44, March 7, 1977, page 12938) and the U.S.-Mexico border (Figure 3-1).
2. All foreign and domestic commercial and recreational vessels which are used to fish for groundfish in the management area.
3. Groundfish stocks of this fishery management unit (FMU) (Table 3-1).
4. All groundfish species comprising this FMU (Table 3-2).

Management Areas. Upon consideration of stock distribution and domestic and foreign historical catch statistics, the following statistical areas (Figure 3-1) have been determined by the Pacific Fishery Management Council (Council) to be the most convenient administrative and biological management areas. These areas are based on International North Pacific Fisheries Commission (INPFC) statistical areas, but in some cases have been modified slightly. The areas are, from south to north:

Conception - Southern boundary of EEZ to 36°00' N latitude
Monterey - 36°00' N latitude to 40°30' N latitude
Eureka - 40°30' N latitude to 43°00' N latitude
Columbia - 43°00' N latitude to 47°30' N latitude
Vancouver - 47°30' N latitude to northern boundary of the EEZ

These areas may be modified or deleted and additional statistical reporting and management areas may be added, modified, or deleted if necessary to refine information or management of a species or species group. Changes will be implemented in accordance with the procedures in Chapters 5 and 6.

3.1 Species Managed by this Fishery Management Plan

Table 3-1 is the listing of species actively managed under this FMP.

Table 3-1. Common and scientific names of species actively managed in this FMP.

Common Name	Scientific Name
ELASMOBRANCHS	
Big skate	<i>Raja binoculata</i>
Leopard shark	<i>Triakis semifasciata</i>
Longnose skate	<i>Raja rhina</i>
Pacific Spiny dogfish	<i>Squalus suckleyi</i>
ROUNDFISH	
Cabezon	<i>Scorpaenichthys marmoratus</i>
Kelp greenling	<i>Hexagrammos decagrammus</i>
Lingcod	<i>Ophiodon elongatus</i>
Pacific cod	<i>Gadus macrocephalus</i>

Common Name	Scientific Name
Pacific whiting (hake)	<i>Merluccius productus</i>
Sablefish	<i>Anoplopoma fimbria</i>
ROCKFISH¹	
Aurora rockfish	<i>Sebastes aurora</i>
Bank rockfish	<i>S. rufus</i>
Black rockfish	<i>S. melanops</i>
Black and yellow rockfish	<i>S. chrysomelas</i>
Blackgill rockfish	<i>S. melanostomus</i>
Blackspotted rockfish	<i>S. melanostictus</i>
Blue rockfish	<i>S. mystinus</i>
Bocaccio	<i>S. paucispinis</i>
Bronzespotted rockfish	<i>S. gilli</i>
Brown rockfish	<i>S. auriculatus</i>
Calico rockfish	<i>S. dallii</i>
California scorpionfish	<i>Scorpaena gutatta</i>
Canary rockfish	<i>Sebastes pinniger</i>
Chameleon rockfish	<i>S. phillipsi</i>
Chilipepper rockfish	<i>S. goodei</i>
China rockfish	<i>S. nebulosus</i>
Copper rockfish	<i>S. caurinus</i>
Cowcod	<i>S. levis</i>
Darkblotched rockfish	<i>S. crameri</i>
Deacon rockfish	<i>S. diaconus</i>
Dusky rockfish	<i>S. ciliatus</i>
Dwarf-red rockfish	<i>S. rufinanus</i>
Flag rockfish	<i>S. rubrivinctus</i>
Freckled rockfish	<i>S. lentiginosus</i>
Gopher rockfish	<i>S. carnatus</i>
Grass rockfish	<i>S. rastrelliger</i>
Greenblotched rockfish	<i>S. rosenblatti</i>
Greenspotted rockfish	<i>S. chlorostictus</i>
Greenstriped rockfish	<i>S. elongatus</i>
Halfbanded rockfish	<i>S. semicinctus</i>
Harlequin rockfish	<i>S. variegatus</i>
Honeycomb rockfish	<i>S. umbrus</i>
Kelp rockfish	<i>S. atrovirens</i>
Longspine thornyhead	<i>Sebastolobus altivelis</i>
Mexican rockfish	<i>Sebastes macdonaldi</i>
Olive rockfish	<i>S. serranoides</i>
Pink rockfish	<i>S. eos</i>
Pinkrose rockfish	<i>S. simulator</i>
Pygmy rockfish	<i>S. wilsoni</i>
Pacific ocean perch	<i>S. alutus</i>
Quillback rockfish	<i>S. maliger</i>

¹ The category “rockfish” includes all genera and species of the family Scorpaenidae, even if not listed, that occur in the Washington, Oregon, and California area. The Scorpaenidae genera are *Sebastes*, *Scorpaena*, *Sebastolobus*, and *Scorpaenodes*.

Common Name	Scientific Name
Redbanded rockfish	<i>S. babcocki</i>
Redstripe rockfish	<i>S. proriger</i>
Rosethorn rockfish	<i>S. helvomaculatus</i>
Rosy rockfish	<i>S. rosaceus</i>
Rougheye rockfish	<i>S. aleutianus</i>
Sharpchin rockfish	<i>S. zacentrus</i>
Shortraker rockfish	<i>S. borealis</i>
Shortspine thornyhead	<i>Sebastolobus alascanus</i>
Silvergray rockfish	<i>Sebastes brevispinis</i>
Speckled rockfish	<i>S. ovalis</i>
Splitnose rockfish	<i>S. diploproa</i>
Squarespot rockfish	<i>S. hopkinsi</i>
Sunset rockfish	<i>S. crocotulus</i>
Starry rockfish	<i>S. constellatus</i>
Stripetail rockfish	<i>S. saxicola</i>
Swordspine rockfish	<i>S. ensifer</i>
Tiger rockfish	<i>S. nigrocinctus</i>
Treefish	<i>S. serriceps</i>
Vermilion rockfish	<i>S. miniatus</i>
Widow rockfish	<i>S. entomelas</i>
Yelloweye rockfish	<i>S. ruberrimus</i>
Yellowmouth rockfish	<i>S. reedi</i>
Yellowtail rockfish	<i>S. flavidus</i>
FLATFISH	
Arrowtooth flounder (turbot)	<i>Atheresthes stomias</i>
Butter sole	<i>Isopsetta isolepis</i>
Curlfin sole	<i>Pleuronichthys decurrens</i>
Dover sole	<i>Microstomus pacificus</i>
English sole	<i>Parophrys vetulus</i>
Flathead sole	<i>Hippoglossoides elassodon</i>
Pacific sanddab	<i>Citharichthys sordidus</i>
Petrale sole	<i>Eopsetta jordani</i>
Rex sole	<i>Glyptocephalus zachirus</i>
Rock sole	<i>Lepidopsetta bilineata</i>
Sand sole	<i>Psettichthys melanostictus</i>
Starry flounder	<i>Platichthys stellatus</i>

3.2 Stocks Managed under this Fishery Management Plan

The Council geographically delineates (i.e., defines) stocks of managed groundfish species (Table 3-2) describes the stock and its boundaries. Stock definitions are based on the best scientific information available, taking into consideration the goals and objectives of the FMP and other requirements. The Council may review, and potentially adjust, a stock definition based on new information. Updating the

defined stocks would require a FMP amendment.

Table 3-2. Groundfish stocks within the fishery management unit (FMU) of the Pacific Coast Groundfish FMP and their boundaries, as amended through Amendment 31.

Stock	Species Scientific Name	Stock Boundaries
Elasmobranchs		
Pacific Spiny Dogfish	<i>Squalus suckleyi</i>	Pacific West Coast FMU
Roundfish		
Lingcod <i>North</i>	<i>Ophiodon elongatus</i>	North of 40°10' N. lat.
Lingcod <i>South</i>	<i>Ophiodon elongatus</i>	South of 40°10' N. lat.
Sablefish	<i>Anoplopoma fimbria</i>	Pacific West Coast FMU
Rockfish²		
Black Rockfish - <i>Washington</i>	<i>Sebastes melanops</i>	North of 46°16' N. lat.
Black Rockfish - <i>Oregon</i>	<i>S. melanops</i>	46°16' N. lat. to 42° N. lat.
Black Rockfish - <i>California</i>	<i>S. melanops</i>	South of 42° N. lat.
Canary Rockfish	<i>S. pinniger</i>	Pacific West Coast FMU
Copper Rockfish <i>North</i>	<i>S. caurinus</i>	North of 42° N. lat.
Copper Rockfish <i>South</i>	<i>S. caurinus</i>	South 42° N. lat.
Quillback Rockfish - <i>Washington</i>	<i>S. maliger</i>	North of 46°16' N. lat.
Quillback Rockfish - <i>Oregon</i>	<i>S. maliger</i>	46°16' N. lat. to 42° N. lat.
Quillback Rockfish - <i>California</i>	<i>S. maliger</i>	South of 42° N. lat.
Squarespot Rockfish	<i>S. hopkinsi</i>	Pacific West Coast FMU
Vermilion Rockfish	<i>S. miniatus</i>	North of 42° N. lat.
Vermilion/Sunset Rockfish	<i>S. miniatus/S. crocotulus</i>	South 42° N. lat.
Shortspine Thornyhead	<i>Sebastolobus alascanus</i>	Pacific West Coast FMU
Flatfish		
Dover Sole	<i>Microstomus pacificus</i>	Pacific West Coast FMU
Petrable Sole	<i>Eopsetta jordani</i>	Pacific West Coast FMU
Rex Sole	<i>Glyptocephalus zachirus</i>	Pacific West Coast FMU

3.3 Ecosystem Component Species

The species in Table 3-3 are designated Ecosystem Component Species (see section 4.4.4 for more details). The inclusion of all endemic skates, except longnose and big skate, and all endemic grenadiers will allow more precise catch monitoring without the need for a sorting requirement for these species since skates and grenadiers are generally landed in unidentified species market categories (e.g., Unidentified Skates).

² The category “rockfish” includes all genera (*Sebastes*, *Scorpaena*, *Sebastolobus*, and *Scorpaenodes*) and species of the family Scorpaenidae, even if not listed, that occur in the waters off Washington, Oregon, and California.

Table 3-3. Groundfish species designated as Ecosystem Component Species.

Common Name	Scientific Name
Shortbelly rockfish	<i>Sebastes jordani</i>
Aleutian skate	<i>Bathyraja aleutica</i>
Bering/sandpaper skate	<i>B. interrupta</i>
California skate	<i>R. inornata</i>
Roughtail/black skate	<i>Bathyraja trachura</i>
All other skates	Endemic species in the family <i>Arhynchobatidae</i>
Pacific grenadier	<i>Coryphaenoides acrolepis</i>
Giant grenadier	<i>Albatrossia pectoralis</i>
All other grenadiers	Endemic species in the family <i>Macrouridae</i>
Finescale codling (aka Pacific flatnose)	<i>Antimora microlepis</i>
Rattfish	<i>Hydrolagus collieri</i>
Soupfin shark	<i>Galeorhinus zyopterus</i>

Table 3-4 lists EC species shared between all four of the Council's FMPs, including the Groundfish FMP.

Table 3-4. Common and scientific names of EC species shared between all four of the Council's FMPs.

Common Name	Scientific Name
Round herring	<i>Etrumeus teres</i>
Thread herring	<i>Opisthonema libertate</i> , <i>O. medirastre</i>
Mesopelagic fishes	Families: <i>Myctophidae</i> , <i>Bathylagidae</i> , <i>Paralepididae</i> , and <i>Gonostomatidae</i>
Pacific sand lance	<i>Ammodytes hexapterus</i>
Pacific saury	<i>Cololabis saira</i>
Silversides	<i>Atherinopsidae</i>
Smelts	<i>Osmeridae</i>
Pelagic squids	Families: <i>Cranchiidae</i> , <i>Gonatidae</i> , <i>Histioteuthidae</i> , <i>Octopoteuthidae</i> , <i>Ommastrephidae</i> except Humboldt squid (<i>Dosidicus gigas</i>), <i>Onychoteuthidae</i> , and <i>Thysanoteuthidae</i>

No directed commercial fisheries may begin for any Shared EC Species until and unless the Council has had an adequate opportunity to both assess the scientific information relating to any proposed directed fishery and consider potential impacts to existing fisheries, fishing communities, and the greater marine ecosystem.

[Amended: 11, 16-1, 24, 25, 27, 31]