

## National Marine Fisheries Service - 2nd Quarter 2019 Update

Table A. Summary of Stock Status for FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished	Management Action Required	Rebuilding Program Progress	B/B <sub>MSY</sub>	Points
CFMC	Queen Conch Resources of Puerto Rico and the United States Virgin Islands	Queen conch - Caribbean	No	Yes	NA	Continue Rebuilding	Year 14 of 15-year plan	<<1	2
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Groupers *	No	Unknown	Unknown	NA	NA	not estimated	1.5
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Parrotfishes Complex *	No	No	Yes	NA	NA	<1	3
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Snappers *	No	Unknown	Unknown	NA	NA	not estimated	1.5
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Puerto Rico Triggerfishes and Filefishes Complex *	No	Unknown	Unknown	NA	NA	not estimated	1.5
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Croix Triggerfishes and Filefishes Complex *	No	Unknown	Unknown	NA	NA	not estimated	1.5
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Thomas / St. John Triggerfishes and Filefishes Complex *	No	Unknown	Unknown	NA	NA	not estimated	1.5
CFMC	Spiny Lobster Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean spiny lobster - Puerto Rico	No	Unknown	Unknown	NA	NA	not estimated	1.5
CFMC	Spiny Lobster Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean spiny lobster - St. Croix	No	Unknown	Unknown	NA	NA	not estimated	1.5
CFMC	Spiny Lobster Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean spiny lobster - St. Thomas / St. John	No	Unknown	Unknown	NA	NA	not estimated	1.5

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GMFMC	Reef Fish Resources of the Gulf of Mexico	Gag - Gulf of Mexico	No	No	No	NA	NA	1.78	4
GMFMC	Reef Fish Resources of the Gulf of Mexico	Gray triggerfish - Gulf of Mexico *	No	No - Rebuilding	No	Continue Rebuilding	Year 1 of 9-year plan	0.58	3
GMFMC	Reef Fish Resources of the Gulf of Mexico	Greater amberjack - Gulf of Mexico *	No	Yes	NA	Continue Rebuilding	Year 3 of 3-year plan	0.29	2
GMFMC	Reef Fish Resources of the Gulf of Mexico	Hogfish - Eastern Gulf of Mexico	No	No	No	NA	NA	2.36	4
GMFMC	Reef Fish Resources of the Gulf of Mexico	Red grouper - Gulf of Mexico	No	No	No	NA	NA	1.19	4
GMFMC	Reef Fish Resources of the Gulf of Mexico	Red snapper - Gulf of Mexico *	No	No - Rebuilding	No	Continue Rebuilding	Year 18 of 31-year plan	0.70	3
GMFMC	Reef Fish Resources of the Gulf of Mexico	Tilefish - Gulf of Mexico *	No	No	Unknown	NA	NA	2.30	4
GMFMC	Reef Fish Resources of the Gulf of Mexico	Vermilion snapper - Gulf of Mexico	No	No	No	NA	NA	1.06	4
GMFMC	Reef Fish Resources of the Gulf of Mexico	Yellowedge grouper - Gulf of Mexico *	No	No	No	NA	NA	1.11	4
GMFMC	Shrimp Fishery of the Gulf of Mexico	Brown shrimp - Gulf of Mexico	No	No	No	NA	NA	12.20	4
GMFMC	Shrimp Fishery of the Gulf of Mexico	Pink shrimp - Gulf of Mexico	No	No	No	NA	NA	3.67	4
GMFMC	Shrimp Fishery of the Gulf of Mexico	Royal red shrimp - Gulf of Mexico	No	Unknown	Unknown	NA	NA	not estimated	1.5
GMFMC	Shrimp Fishery of the Gulf of Mexico	White shrimp - Gulf of Mexico	No	No	No	NA	NA	1.28	4
HMS	Consolidated Atlantic Highly Migratory Species	Atlantic sharpnose shark - Atlantic	No	No	No	NA	NA	2.08	4
HMS	Consolidated Atlantic Highly Migratory Species	Atlantic sharpnose shark - Gulf of Mexico	No	No	No	NA	NA	1.02	4

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HMS	Consolidated Atlantic Highly Migratory Species	Blacknose shark - Atlantic	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 6 of 30-year plan	0.43-0.64	1
HMS	Consolidated Atlantic Highly Migratory Species	Blacknose shark - Gulf of Mexico	Unknown	Unknown	Unknown	NA	NA	not estimated	0
HMS	Consolidated Atlantic Highly Migratory Species	Blacktip shark - Atlantic	Unknown	Unknown	Unknown	NA	NA	not estimated	0
HMS	Consolidated Atlantic Highly Migratory Species	Blacktip shark - Gulf of Mexico	No	No	No	NA	NA	2.62	4
HMS	Consolidated Atlantic Highly Migratory Species	Blue shark - North Atlantic	No	No	No	NA	NA	1.35-3.45	4
HMS	Consolidated Atlantic Highly Migratory Species	Bonnethead - Atlantic	Unknown	Unknown	Unknown	NA	NA	not estimated	0
HMS	Consolidated Atlantic Highly Migratory Species	Bonnethead - Gulf of Mexico	Unknown	Unknown	Unknown	NA	NA	not estimated	0
HMS	Consolidated Atlantic Highly Migratory Species	Dusky shark - Atlantic and Gulf of Mexico	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 11 of 100-year plan	0.41-0.64	1
HMS	Consolidated Atlantic Highly Migratory Species	Finetooth shark - Atlantic and Gulf of Mexico	No	No	No	NA	NA	1.30	4
HMS	Consolidated Atlantic Highly Migratory Species	Porbeagle - Northwestern Atlantic	No	Yes	NA	Continue Rebuilding	Year 11 of 100-year plan	0.43-0.65	2
HMS	Consolidated Atlantic Highly Migratory Species	Sandbar shark - Atlantic and Gulf of Mexico	No	Yes	NA	Continue Rebuilding	Year 14 of 66-year plan	0.77	2

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HMS	Consolidated Atlantic Highly Migratory Species	Scalloped hammerhead - Atlantic	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 6 of 10-year plan	0.45	1
HMS	Consolidated Atlantic Highly Migratory Species	Shortfin mako - North Atlantic *	Yes	Yes	NA	Reduce Mortality, Rebuilding Program	NA	0.57-0.95	1
MAFMC	Atlantic Mackerel, Squid and Butterfish	Atlantic mackerel - Gulf of Maine / Cape Hatteras	Yes	Yes	NA	Reduce Mortality, Rebuilding Program	NA	0.22	1
MAFMC	Atlantic Mackerel, Squid and Butterfish	Butterfish - Gulf of Maine / Cape Hatteras	No	No	No	NA	NA	1.41	4
MAFMC	Atlantic Mackerel, Squid and Butterfish	Longfin inshore squid - Georges Bank / Cape Hatteras	Unknown	No	No	NA	NA	1.74	2.5
MAFMC	Atlantic Mackerel, Squid and Butterfish	Northern shortfin squid - Northwestern Atlantic Coast*	No	Unknown	Unknown	NA	NA	not estimated	1.5
MAFMC	Atlantic Surfclam and Ocean Quahog	Atlantic surfclam - Mid-Atlantic Coast	No	No	No	NA	NA	2.54	4
MAFMC	Atlantic Surfclam and Ocean Quahog	Ocean quahog - Atlantic Coast	No	No	No	NA	NA	1.63	4
MAFMC	Bluefish	Bluefish - Atlantic Coast	No	No	No	NA	NA	0.78	3
MAFMC	Summer Flounder, Scup and Black Sea Bass	Black sea bass - Mid-Atlantic Coast	No	No	No	NA	NA	2.29	4
MAFMC	Summer Flounder, Scup and Black Sea Bass	Scup - Atlantic Coast	No	No	No	NA	NA	2.06	4

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MAFMC	Summer Flounder, Scup and Black Sea Bass	Summer flounder - Mid-Atlantic Coast	No	No	No	NA	NA	0.78	3
MAFMC	Tilefish	Tilefish - Mid-Atlantic Coast	No	No	No	NA	NA	0.89	4
NEFMC	Atlantic Herring	Atlantic herring - Northwestern Atlantic Coast	No	No	Yes	NA	NA	0.75	3
NEFMC	Atlantic Sea Scallop	Sea scallop - Northwestern Atlantic Coast	No	No	No	NA	NA	2.72	4
NEFMC	Deep-Sea Red Crab	Red deepsea crab - Northwestern Atlantic *	No	Unknown	Unknown	NA	NA	not estimated	1.5
NEFMC	Northeast Multispecies	Acadian redfish - Gulf of Maine / Georges Bank	No	No	No	NA	NA	1.45	4
NEFMC	Northeast Multispecies	American plaice - Gulf of Maine / Georges Bank *	No	No - Rebuilding	No	Continue Rebuilding	Year 5 of 10-year plan	0.99	3
NEFMC	Northeast Multispecies	Atlantic cod - Georges Bank*	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 15 of 23-year plan	0.07	1
NEFMC	Northeast Multispecies	Atlantic cod - Gulf of Maine*	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 5 of 10-year plan	0.05-0.08	1
NEFMC	Northeast Multispecies	Atlantic halibut - Northwestern Atlantic Coast*	No	Yes	NA	Continue Rebuilding	Year 15 of 52-year plan	0.03	2
NEFMC	Northeast Multispecies	Atlantic wolffish - Gulf of Maine / Georges Bank *	No	Yes	NA	Continue Rebuilding	Year 9 of plan	0.40	2

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NEFMC	Northeast Multispecies	Haddock - Georges Bank	No	No	No	NA	NA	2.78	4
NEFMC	Northeast Multispecies	Haddock - Gulf of Maine	No	No	No	NA	NA	7.07	4
NEFMC	Northeast Multispecies	Ocean pout - Northwestern Atlantic Coast	No	Yes	NA	Continue Rebuilding	Year 15 of 10-year plan	0.05	2
NEFMC	Northeast Multispecies	Offshore hake - Northwestern Atlantic Coast	Unknown	Unknown	Unknown	NA	NA	not estimated	0
NEFMC	Northeast Multispecies	Pollock - Gulf of Maine / Georges Bank	No	No	No	NA	NA	1.74	4
NEFMC	Northeast Multispecies	Red hake - Gulf of Maine / Northern Georges Bank	No	No	No	NA	NA	2.02	4
NEFMC	Northeast Multispecies	Red hake - Southern Georges Bank / Mid-Atlantic	Yes	Yes	NA	Reduce Mortality, Rebuilding Program	NA	0.37	1
NEFMC	Northeast Multispecies	Silver hake - Gulf of Maine / Northern Georges Bank	No	No	No	NA	NA	3.10	4
NEFMC	Northeast Multispecies	Silver hake - Southern Georges Bank / Mid-Atlantic	No	No	No	NA	NA	0.64	3
NEFMC	Northeast Multispecies	White hake - Gulf of Maine / Georges Bank *	No	No - Rebuilding	No	Continue Rebuilding	Year 15 of 10-year plan	0.69	3
NEFMC	Northeast Multispecies	Windowpane - Gulf of Maine / Georges Bank	No	Yes	NA	Continue Rebuilding	Year 9 of 7-year plan	0.18	2
NEFMC	Northeast Multispecies	Windowpane - Southern New England / Mid-Atlantic	No	No	No	NA	NA	1.30	4

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NEFMC	Northeast Multispecies	Winter flounder - Georges Bank	No	No - Rebuilding	Yes	Continue Rebuilding	Year 9 of 7-year plan	0.52	3
NEFMC	Northeast Multispecies	Winter flounder - Gulf of Maine	No	Unknown	Unknown	NA	NA	not estimated	1.5
NEFMC	Northeast Multispecies	Winter flounder - Southern New England / Mid-Atlantic *	No	Yes	NA	Continue Rebuilding	Year 6 of 10-year plan	0.18	2
NEFMC	Northeast Multispecies	Witch flounder - Northwestern Atlantic Coast *	Unknown	Yes	NA	Continue Rebuilding	Year 9 of 7-year plan	<<1	0.5
NEFMC	Northeast Multispecies	Yellowtail flounder - Cape Cod / Gulf of Maine	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 15 of 19-year plan	0.26	1
NEFMC	Northeast Multispecies	Yellowtail flounder - Georges Bank *	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 13 of 26-year plan	0.02	1
NEFMC	Northeast Multispecies	Yellowtail flounder - Southern New England / Mid-Atlantic *	Yes	Yes	NA	Reduce Mortality, Rebuilding Program	NA	0.08	1
NEFMC	Northeast Skate Complex	Barndoor skate - Georges Bank / Southern New England	No	No	No	NA	NA	1.01	4
NEFMC	Northeast Skate Complex	Clearnose skate - Southern New England / Mid-Atlantic	No	No	No	NA	NA	0.89	4

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NEFMC	Northeast Skate Complex	Little skate - Georges Bank / Southern New England	No	No	No	NA	NA	0.76	3
NEFMC	Northeast Skate Complex	Rosette skate - Southern New England / Mid-Atlantic	No	No	No	NA	NA	1.06	4
NEFMC	Northeast Skate Complex	Smooth skate - Gulf of Maine	No	No	No	NA	NA	1.06	4
NEFMC	Northeast Skate Complex	Thorny skate - Gulf of Maine	No	Yes	NA	Continue Rebuilding	Year 16 of 25-year plan	0.04	2
NEFMC	Northeast Skate Complex	Winter skate - Georges Bank / Southern New England	No	No	No	NA	NA	1.26	4
NEFMC / MAFMC	Monkfish	Goosefish - Gulf of Maine / Northern Georges Bank	No	No	No	NA	NA	1.31	4
NEFMC / MAFMC	Monkfish	Goosefish - Southern Georges Bank / Mid-Atlantic	No	No	No	NA	NA	1.55	4
NEFMC / MAFMC	Spiny Dogfish	Spiny dogfish - Atlantic Coast	No	No	No	NA	NA	0.67	3
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Blue king crab - Pribilof Islands *	No	Yes	NA	Continue Rebuilding	Year 4 of plan	0.06	2
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Blue king crab - Saint Matthew Island *	No	Yes	NA	Rebuilding Program	NA	0.35	2
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Golden king crab - Aleutian Islands	No	No	No	NA	NA	1.66 1.25	4
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Red king crab - Bristol Bay	No	No	No	NA	NA	0.82	4

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NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Red king crab - Norton Sound	No	No	No	NA	NA	1.11	4
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Red king crab - Pribilof Islands	No	No	No	NA	NA	1.04	4
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Snow crab - Bering Sea	No	No	No	NA	NA	0.86	4
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Southern Tanner crab - Bering Sea	No	No	No	NA	NA	1.09	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Alaska plaice - Bering Sea / Aleutian Islands	No	No	No	NA	NA	1.84	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Arrowtooth flounder - Bering Sea / Aleutian Islands	No	No	No	NA	NA	2.35	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Atka mackerel - Bering Sea / Aleutian Islands	No	No	No	NA	NA	1.24	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Blackspotted and Rougheye Rockfish Complex *	No	No	No	NA	NA	0.94	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Flathead Sole Complex *	No	No	No	NA	NA	2.08	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Rock Sole Complex *	No	No	No	NA	NA	2.47	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Skate Complex *	No	No	No	NA	NA	1.70	4

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NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Greenland halibut - Bering Sea / Aleutian Islands	No	No	No	NA	NA	1.59	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Northern rockfish - Bering Sea / Aleutian Islands	No	No	No	NA	NA	1.89	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Pacific cod - Bering Sea	No	No	No	NA	NA	1.32	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Pacific ocean perch - Bering Sea / Aleutian Islands	No	No	No	NA	NA	1.81	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Walleye pollock - Aleutian Islands	No	No	No	NA	NA	1.26	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Walleye pollock - Eastern Bering Sea	No	No	No	NA	NA	1.56	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Yellowfin sole - Bering Sea / Aleutian Islands	No	No	No	NA	NA	1.81	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area / Groundfish of the Gulf of Alaska	Sablefish - Eastern Bering Sea / Aleutian Islands / Gulf of Alaska *	No	No	No	NA	NA	0.77	3
NPFMC	Groundfish of the Gulf of Alaska	Arrowtooth flounder - Gulf of Alaska	No	No	No	NA	NA	2.85	4
NPFMC	Groundfish of the Gulf of Alaska	Dusky rockfish - Gulf of Alaska	No	No	No	NA	NA	1.14	4

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NPFMC	Groundfish of the Gulf of Alaska	Flathead sole - Gulf of Alaska	No	No	No	NA	NA	2.55	4
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Blackspotted and Rougheye Rockfish Complex *	No	No	No	NA	NA	1.92	4
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Deepwater Flatfish Complex *	No	No	No	NA	NA	2.43	4
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Demersal Shelf Rockfish Complex *	No	Unknown	Unknown	NA	NA	not estimated	1.5
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Shallow Water Flatfish Complex *	No	No	No	NA	NA	2.48	4
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Thornyhead Rockfish Complex *	No	Unknown	Unknown	NA	NA	not estimated	1.5
NPFMC	Groundfish of the Gulf of Alaska	Northern rockfish - Western / Central Gulf of Alaska	No	No	No	NA	NA	1.16	4
NPFMC	Groundfish of the Gulf of Alaska	Pacific cod - Gulf of Alaska	No	No	No	NA	NA	0.66	3
NPFMC	Groundfish of the Gulf of Alaska	Pacific ocean perch - Gulf of Alaska	No	No	No	NA	NA	1.75	4
NPFMC	Groundfish of the Gulf of Alaska	Rex sole - Gulf of Alaska	No	No	No	NA	NA	2.36	4
NPFMC	Groundfish of the Gulf of Alaska	Walleye pollock - Western / Central / West Yakutat Gulf of Alaska	No	No	No	NA	NA	1.68	4
PFMC	Coastal Pelagic Species	Northern anchovy - Southern Pacific Coast	No	Unknown	Unknown	NA	NA	not estimated	1.5

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PFMC	Coastal Pelagic Species	Opalescent inshore squid - Pacific Coast	Unknown	Unknown	Unknown	NA	NA	not estimated	0
PFMC	Coastal Pelagic Species	Pacific chub mackerel - Pacific Coast *	No	No	No	NA	NA	not estimated	4
PFMC	Coastal Pelagic Species	Pacific sardine - Pacific Coast *	No	Yes	NA	Rebuilding Program	NA	not estimated	2
PFMC	Pacific Coast Groundfish	Arrowtooth flounder - Pacific Coast	No	No	No	NA	NA	3.47	4
PFMC	Pacific Coast Groundfish	Black rockfish - California	No	No	No	NA	NA	0.83	4
PFMC	Pacific Coast Groundfish	Black rockfish - Oregon	No	No	No	NA	NA	1.51	4
PFMC	Pacific Coast Groundfish	Blackgill rockfish - Southern California	Unknown	No	No	NA	NA	0.98	2.5
PFMC	Pacific Coast Groundfish	Bocaccio - Southern Pacific Coast	No	No	No	NA	NA	1.22	4
PFMC	Pacific Coast Groundfish	Brown rockfish - Pacific Coast	Unknown	No	No	NA	NA	1.06	2.5
PFMC	Pacific Coast Groundfish	Cabazon - California	No	No	No	NA	NA	1.21	4
PFMC	Pacific Coast Groundfish	California Blue and Deacon Rockfish Complex	Unknown	No	No	NA	NA	0.93	2.5
PFMC	Pacific Coast Groundfish	California scorpionfish - Southern California	No	No	No	NA	NA	1.36	4
PFMC	Pacific Coast Groundfish	Canary rockfish - Pacific Coast	No	No	No	NA	NA	1.41	4
PFMC	Pacific Coast Groundfish	Chilipepper - Southern Pacific Coast	No	No	No	NA	NA	1.73	4
PFMC	Pacific Coast Groundfish	Cowcod - Southern California	No	No - Rebuilding	No	Continue Rebuilding	Year 18 of 19 year plan	0.85	3

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PFMC	Pacific Coast Groundfish	Darkblotched rockfish - Pacific Coast	No	No	No	NA	NA	1.00	4
PFMC	Pacific Coast Groundfish	Dover sole - Pacific Coast	No	No	No	NA	NA	3.35	4
PFMC	Pacific Coast Groundfish	English sole - Pacific Coast	No	No	No	NA	NA	3.52	4
PFMC	Pacific Coast Groundfish	Gopher rockfish - Northern California	Unknown	No	Unknown	NA	NA	2.42	2.5
PFMC	Pacific Coast Groundfish	Greenspotted rockfish - Pacific Coast	Unknown	No	No	NA	NA	0.86	2.5
PFMC	Pacific Coast Groundfish	Greenstriped rockfish - Pacific Coast	Unknown	No	No	NA	NA	2.02	2.5
PFMC	Pacific Coast Groundfish	Kelp greenling - Oregon	Unknown	No	No	NA	NA	1.99	2.5
PFMC	Pacific Coast Groundfish	Lingcod - Southern Pacific Coast	No	No	No	NA	NA	0.82	4
PFMC	Pacific Coast Groundfish	Longnose skate - Pacific Coast	No	No	No	NA	NA	1.65	4
PFMC	Pacific Coast Groundfish	Longspine thornyhead - Pacific Coast	No	No	No	NA	NA	1.88	4
PFMC	Pacific Coast Groundfish	Pacific Coast Blackspotted and Rougheye Rockfish Complex *	Unknown	No	No	NA	NA	1.18	2.5
PFMC	Pacific Coast Groundfish	Pacific ocean perch - Pacific Coast	No	No	No	NA	NA	1.92	4
PFMC	Pacific Coast Groundfish	Pacific sanddab - Pacific Coast	Unknown	No	No	NA	NA	>1	2.5
PFMC	Pacific Coast Groundfish	Petrable sole - Pacific Coast	No	No	No	NA	NA	1.23	4

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PFMC	Pacific Coast Groundfish	Rex sole - Pacific Coast	Unknown	No	No	NA	NA	3.20	2.5
PFMC	Pacific Coast Groundfish	Sablefish - Pacific Coast	No	No	No	NA	NA	0.86	4
PFMC	Pacific Coast Groundfish	Shortbelly rockfish - Pacific Coast	No	No	No	NA	NA	1.67	4
PFMC	Pacific Coast Groundfish	Shortspine thornyhead - Pacific Coast	No	No	No	NA	NA	1.85	4
PFMC	Pacific Coast Groundfish	Spiny dogfish - Pacific Coast	No	No	No	NA	NA	1.58	4
PFMC	Pacific Coast Groundfish	Splitnose rockfish - Pacific Coast	No	No	No	NA	NA	1.64	4
PFMC	Pacific Coast Groundfish	Starry flounder - Pacific Coast	No	No	No	NA	NA	1.25	4
PFMC	Pacific Coast Groundfish	Vermilion rockfish - California	Unknown	Unknown	Unknown	NA	NA	not estimated	0
PFMC	Pacific Coast Groundfish	Widow rockfish - Pacific Coast	No	No	No	NA	NA	1.88	4
PFMC	Pacific Coast Groundfish	Yelloweye rockfish - Pacific Coast	No	No - Rebuilding	No	Continue Rebuilding	Year 15 of 70-year plan	0.71	3
PFMC	Pacific Coast Groundfish	Yellowtail rockfish - Northern Pacific Coast	No	No	No	NA	NA	1.88	4
PFMC	Pacific Coast Salmon	Chinook salmon - California Central Valley: Sacramento River Fall *	No	Yes	NA	Rebuilding Program	NA	0.67	2
PFMC	Pacific Coast Salmon	Chinook salmon - Northern California Coast: Klamath River Fall *	No	Yes	NA	Rebuilding Program	NA	0.48	2
SAFMC	Dolphin and Wahoo Fishery of the Atlantic	Dolphinfish - Southern Atlantic Coast	No	No	No	NA	NA	1.56	4

## National Marine Fisheries Service - 2nd Quarter 2019 Update

Table A. Summary of Stock Status for FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished	Management Action Required	Rebuilding Program Progress	B/B <sub>MSY</sub>	Points
SAFMC	Shrimp Fishery of the South Atlantic Region	Brown rock shrimp - Southern Atlantic Coast	No	Unknown	Unknown	NA	NA	not estimated	1.5
SAFMC	Shrimp Fishery of the South Atlantic Region	Brown shrimp - Southern Atlantic Coast	No	No	No	NA	NA	8.08	4
SAFMC	Shrimp Fishery of the South Atlantic Region	Pink shrimp - Southern Atlantic Coast	No	No	No	NA	NA	4.73	4
SAFMC	Shrimp Fishery of the South Atlantic Region	White shrimp - Southern Atlantic Coast	No	No	No	NA	NA	9.56	4
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Black sea bass - Southern Atlantic Coast	No	No	No	NA	NA	0.71	3
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Blueline tilefish - Southern Atlantic Coast *	Yes	No	No	Reduce Mortality	NA	1.06	3
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Gag - Southern Atlantic Coast	No	No	No	NA	NA	0.97	4
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Gray triggerfish - Southern Atlantic Coast *	No	Unknown	Unknown	NA	NA	not estimated	1.5
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Greater amberjack - Southern Atlantic Coast	No	No	No	NA	NA	1.10	4
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Hogfish - Southeast Florida	Yes	Yes	NA	Reduce Mortality, Rebuilding Program	Year 2 of 10-year plan	0.38	1
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Red grouper - Southern Atlantic Coast	No	Yes	NA	Continue Rebuilding	Year 8 of 10-year plan	0.29	2
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Red porgy - Southern Atlantic Coast	No	Yes	NA	Continue Rebuilding	Year 20 of 18-year plan	0.48	2
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Red snapper - Southern Atlantic Coast	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 8 of 35-year plan	0.16	1

## National Marine Fisheries Service - 2nd Quarter 2019 Update

Table A. Summary of Stock Status for FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished	Management Action Required	Rebuilding Program Progress	B/B <sub>MSY</sub>	Points
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Snowy grouper - Southern Atlantic Coast	No	Yes	NA	Continue Rebuilding	Year 13 of 34 year plan	0.49	2
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Speckled hind - Southern Atlantic Coast	Yes	Unknown	Unknown	Reduce Mortality	NA	not estimated	0.5
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Tilefish - Southern Atlantic Coast	Yes	No	No	Reduce Mortality	NA	0.85	3
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Vermilion snapper - Southern Atlantic Coast	No	No	No	NA	NA	1.13	4
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Warsaw grouper - Southern Atlantic Coast	Yes	Unknown	Unknown	Reduce Mortality	NA	not estimated	0.5
SAFMC / GMFMC	Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	Cobia - Gulf of Mexico	No	No	No	NA	NA	1.07	4
SAFMC / GMFMC	Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	Cobia - Southern Atlantic Coast	No	No	No	NA	NA	1.29	4
SAFMC / GMFMC	Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	King mackerel - Gulf of Mexico	No	No	No	NA	NA	1.30	4
SAFMC / GMFMC	Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	King mackerel - Southern Atlantic Coast	No	No	No	NA	NA	1.41	4
SAFMC / GMFMC	Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	Spanish mackerel - Gulf of Mexico	No	No	No	NA	NA	1.84	4
SAFMC / GMFMC	Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	Spanish mackerel - Southern Atlantic Coast	No	No	No	NA	NA	1.49	4

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Table A. Summary of Stock Status for FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished	Management Action Required	Rebuilding Program Progress	B/B <sub>MSY</sub>	Points
SAFMC / GMFMC	Snapper-Grouper Fishery of the South Atlantic Region / Reef Fish Resources of the Gulf of Mexico	Black grouper - Southern Atlantic Coast / Gulf of Mexico	No	No	No	NA	NA	1.40	4
SAFMC / GMFMC	Snapper-Grouper Fishery of the South Atlantic Region / Reef Fish Resources of the Gulf of Mexico	Mutton snapper - Southern Atlantic Coast / Gulf of Mexico	No	No	No	NA	NA	1.13	4
SAFMC / GMFMC	Snapper-Grouper Fishery of the South Atlantic Region / Reef Fish Resources of the Gulf of Mexico	Yellowtail snapper - Southern Atlantic Coast / Gulf of Mexico	No	No	No	NA	NA	3.36	4
SAFMC / GMFMC	Spiny Lobster in the Gulf of Mexico and South Atlantic	Caribbean spiny lobster - Southern Atlantic Coast / Gulf of Mexico	No	Unknown	Unknown	NA	NA	not estimated	1.5
WPFMC	American Samoa Archipelago Ecosystem	American Samoa Bottomfish Multi-species Complex *	No	No	No	NA	NA	1.64	4
WPFMC	Hawaii Archipelago Ecosystem	Main Hawaiian Islands Deep 7 Bottomfish Multi-species Complex *	No	No	No	NA	NA	1.31	4
WPFMC	Mariana Archipelago Ecosystem	Guam Bottomfish Multi-species Complex *	No	No	No	NA	NA	1.63	4
WPFMC	Mariana Archipelago Ecosystem	Northern Mariana Islands Bottomfish Multi-species Complex *	No	No	No	NA	NA	1.78	4

## National Marine Fisheries Service - 2nd Quarter 2019 Update

Table B. Endnotes for FSSI Stocks

Jurisdiction	Stock	Endnotes
CFMC	Caribbean Groupers	Caribbean Groupers is composed of black, misty, red, tiger, yellowedge, and yellowfin grouper; and coney, graysby, red hind, and rock hind. There is no indicator species for this unit. Grouper unit 4 had previously been listed as overfished, but all grouper stocks are now consolidated into Caribbean Groupers, except goliath grouper and Nassau grouper. The consolidation was the result of amendments to implement required Annual Catch Limit (ACL) provisions. The overfished status of the new grouper complex is unknown and these stocks have not yet been assessed. They remain under catch limits to prevent overfishing.
CFMC	Caribbean Parrotfishes Complex	Caribbean Parrotfishes is composed of blue, midnight, princess, queen, rainbow, striped, redband, redband, redtail, redfin, and stoplight parrotfishes. There is no indicator species for this unit.
CFMC	Caribbean Snappers	Caribbean Snappers is composed of black, blackfin, cardinal, dog, gray, lane, mahogany, mutton, Queen, silk, vermilion, and yellowtail snapper; and schoolmaster and wenchman. There is no indicator species for this unit.
CFMC	Puerto Rico Triggerfishes and Filefishes Complex	Puerto Rico Triggerfishes and Filefishes Complex is composed of ocean, queen, and Sargassum triggerfishes; scrawled and whitespotted filefishes; and black durgon. There is no indicator species for this unit.
CFMC	St. Croix Triggerfishes and Filefishes Complex	St. Croix Triggerfishes and Filefishes Complex is composed of ocean, queen, and Sargassum triggerfishes; scrawled and whitespotted filefishes; and black durgon. There is no indicator species for this unit.
CFMC	St. Thomas / St. John Triggerfishes and Filefishes Complex	St. Thomas/St. John Triggerfishes and Filefishes Complex is composed of ocean, queen, and Sargassum triggerfishes; scrawled and whitespotted filefishes; and black durgon. There is no indicator species for this unit.
GMFMC	Gray triggerfish - Gulf of Mexico	The first rebuilding plan for Gulf of Mexico gray triggerfish was implemented in 2008 and the stock was targeted to rebuild by 2013 (6-year rebuilding plan), and was later extended to a 10-year rebuilding plan and the stock was targeted to rebuild by 2017. A new 9-year plan was implemented in 2018 and the stock is targeted to rebuild by 2017.
GMFMC	Greater amberjack - Gulf of Mexico	The first rebuilding plan for Gulf of Mexico greater amberjack was implemented in 2003 and the stock was targeted to rebuild by 2012 (10-year rebuilding plan). A new 3-year plan was implemented in 2016 and the stock is targeted to rebuild by 2019.
GMFMC	Red snapper - Gulf of Mexico	The first rebuilding plan for Gulf of Mexico red snapper was implemented in 1990 and the stock was targeted to rebuild by 2000 (10-year rebuilding plan), and was later extended to 2007 (17-year rebuilding plan), and again extended to 2009 (19-year rebuilding plan). A new rebuilding plan was implemented in 2001 with a target date to rebuild by 2032 (31-year rebuilding plan).

## National Marine Fisheries Service - 2nd Quarter 2019 Update

Table B. Endnotes for FSSI Stocks

Jurisdiction	Stock	Endnotes
GMFMC	Tilefish - Gulf of Mexico	The most recent assessment for tilefish - Gulf of Mexico (2011) used overfished criteria that have been determined to be the Best Scientific Information Available (BSIA), but have not yet been formally implemented in the fishery management plan. An upcoming amendment to the fishery management plan will formally establish the criteria for tilefish and other data poor stocks.
GMFMC	Yellowedge grouper - Gulf of Mexico	The most recent assessment for yellowedge grouper - Gulf of Mexico (2010) used overfished criteria that have been determined to be the Best Scientific Information Available (BSIA), but have not yet been formally implemented in the fishery management plan. Amendment 44 will formally establish the criteria for yellowedge grouper and other data poor stocks.
HMS	Shortfin mako - North Atlantic	On December 13, 2017, the Assistant Administrator for Fisheries determined the North Atlantic shortfin mako stock to be overfished with overfishing occurring. NMFS continues to work with ICCAT to develop measures to end overfishing and rebuild this internationally managed stock
MAFMC	Northern shortfin squid - Northwestern Atlantic Coast	Although Northern shortfin squid is currently listed as not subject to overfishing, the most recent stock assessment (2006) was not able to precisely determine current exploitation rates or stock biomass. Nevertheless, the overfishing status of this stock remains unchanged, based on the results of an earlier assessment (2005).
NEFMC	Red deepsea crab - Northwestern Atlantic	In the most recent stock assessments (NEFSC 2006) the current MSY and $B_{MSY}$ estimates for red crabs were judged unreliable. The assessment results supported a determination of not subject to overfishing,, but could not provide adequate information to support an overfished determination.
NEFMC	American plaice - Gulf of Maine / Georges Bank	The first rebuilding plan for American plaice was implemented in 2004 and the stock was targeted to rebuild by 2014 (10-year rebuilding plan). A new 10-year plan was implemented in 2014 and the stock is targeted to rebuild by 2024.
NEFMC	Atlantic cod - Georges Bank	The status of Georges Bank cod is based on the results of the stock assessment completed in 2013. The stock assessment conducted in 2015 was rejected, but indicators continued to support the determination that the stock is overfished; overfishing status is less clear. A Plan B assessment was conducted in 2017, but was not used to support overfishing or overfished stock status determinations.
NEFMC	Atlantic cod - Gulf of Maine	The first rebuilding plan for Gulf of Maine Atlantic cod was implemented in 2004 and the stock was targeted to rebuild by 2014 (10-year rebuilding plan). A new 10-year plan was implemented in 2014 and the stock is targeted to rebuild by 2024.
NEFMC	Atlantic halibut - Northwestern Atlantic Coast	The status of Atlantic halibut is based on the results of the stock assessment completed in 2012. Although the stock assessment conducted in 2015 was rejected, reviewers felt confident that the stock remains overfished. A first and second derivative assessment was conducted in 2018, but was not used to support overfishing or overfished stock status determinations.

## National Marine Fisheries Service - 2nd Quarter 2019 Update

Table B. Endnotes for FSSI Stocks

Jurisdiction	Stock	Endnotes
NEFMC	Atlantic wolffish - Gulf of Maine / Georges Bank	Because the life history of Atlantic wolffish is not well understood, there is considerable uncertainty in the evaluation of stock projections and a rebuilding period or a rebuilding F for this species at this time.
NEFMC	White hake - Gulf of Maine / Georges Bank	This stock is making progress towards rebuilding, but did not rebuild by the target end date of 2012. Rebuilding measures will remain in place until the stock rebuilds.
NEFMC	Winter flounder - Southern New England / Mid-Atlantic	The first rebuilding plan for Southern New England /Mid-Atlantic winter flounder was implemented in 2004 and the stock was targeted to rebuild by 2014 (10-year rebuilding plan). A new 10-year plan was implemented in 2013 and the stock is targeted to rebuild by 2023.
NEFMC	Witch flounder - Northwestern Atlantic Coast	A new benchmark assessment finalized in 2017 rejected the model previously used to support stock status (VPA model), as well as a new model that was attempted (ASAP model). As a result, there were unreliable indicators to recommend overfishing status so the overfishing status is now unknown. There are no reliable numerical estimates of stock size, but the conclusion that the stock is at historically low levels and other indicators support maintaining the stock as overfished. An update assessment finalized in late 2017 supports the same results as the benchmark assessment finalized in early 2017.
NEFMC	Yellowtail flounder - Georges Bank	The first rebuilding plan for Georges Bank yellowtail flounder was implemented in 2006 and the stock was targeted to rebuild by 2014 (8-year rebuilding plan), and was later extended to a 10-year rebuilding plan and the stock was targeted to rebuild by 2016, and again extended to a 26-year rebuilding plan and the stock is targeted to rebuild by 2032. The status of this stock is based on the Transboundary Resources Assessment Committee finalized in 2013, which was the last accepted assessment that provided known stock status advice. Empirical assessments were conducted in 2017 and 2018, but were not used to support overfishing or overfished stock status determinations.
NEFMC	Yellowtail flounder - Southern New England / Mid-Atlantic	The New England Fishery Management Council (NEFMC) was notified by NMFS on 8/31/2017 that this stock is overfished and subject to overfishing and now requires a rebuilding plan. The NEFMC has two years from this date to implement a rebuilding plan.
NPFMC	Blue king crab - Pribilof Islands	Pribilof Islands blue king crab was previously in a rebuilding plan that started in 2004 and had a target end date of 2014. The new plan implemented January 1, 2015 does not specify a target rebuilding date because it is not known when the stock is expected to rebuild. The Pribilof Islands Habitat Conservation Zone (PIHCZ) has been closed to groundfish trawling since 1995 and beginning in 2015, there is a prohibition on directed cod pot fishing in the PIHCZ. The causes of the stock decline are thought to be predominantly due to environmental changes that inhibit blue king crab reproduction. For this stock to rebuild, the stock would likely require multiple years of above average recruitment and/or a change in environmental conditions to increase larval productivity around the Pribilof Islands.

## National Marine Fisheries Service - 2nd Quarter 2019 Update

Table B. Endnotes for FSSI Stocks

Jurisdiction	Stock	Endnotes
NPFMC	Blue king crab - Saint Matthew Island	Blue king crab - Pribilof Islands is now overfished. The North Pacific Fishery Management Council was notified of the overfished status on 10/22/2018 of its status and has two years from this date to implement a rebuilding plan for this stock.
NPFMC	Bering Sea / Aleutian Islands Blackspotted and Rougheye Rockfish Complex	Blackspotted and Rougheye Rockfish consists of Blackspotted Rockfish and Rougheye Rockfish. An assessment of the combined species provides the overfished determination, and the OFL is based on the combined-species assessment.
NPFMC	Bering Sea / Aleutian Islands Flathead Sole Complex	Bering Sea / Aleutian Islands Flathead Sole Complex consists of Flathead Sole and Bering Flounder. Flathead Sole accounts for the overwhelming majority of the biomass and is regarded as the indicator species for the complex. The overfished determination is based on the combined abundance estimates for the two species; the overfishing determination is based on the OFL, which is computed from the combined abundance estimates for the two species.
NPFMC	Bering Sea / Aleutian Islands Rock Sole Complex	Rock Sole Complex consists of Northern Rock Sole and Rock Sole (NOTE: These are two distinct species, not two separate stocks of the same species). Northern Rock Sole accounts for the overwhelming majority of the biomass and is regarded as the indicator species for the complex. The overfished determination is based on the combined abundance estimates for the two species; the overfishing determination is based on the OFL, which is computed from the combined abundance estimates for the two species.
NPFMC	Bering Sea / Aleutian Islands Skate Complex	The Skate Complex consists of Alaska Skate, Aleutian Skate, Bering Skate, Big Skate, Butterfly Skate, Commander Skate, Deepsea Skate, Mud Skate, Okhotsk Skate, Roughshoulder Skate, Roughtail Skate, Whiteblotched Skate, and Whitebrow Skate. Alaska skate is assessed and is the indicator species for this complex.
NPFMC	Sablefish - Eastern Bering Sea / Aleutian Islands / Gulf of Alaska	Although Sablefish is managed separately in the Gulf of Alaska, Bering Sea, and Aleutian Islands, with separate overfishing levels, ABCs, and TACs based on the proportion of biomass in each respective region, separate assessments are not conducted for each of these three regions; the assessment is based on aggregated data from the Gulf of Alaska, Bering Sea, and Aleutian Islands regions. Therefore, it is not appropriate to list separate status determinations for these three regions.
NPFMC	Gulf of Alaska Blackspotted and Rougheye Rockfish Complex	Blackspotted and Rougheye Rockfish consists of Blackspotted Rockfish and Rougheye Rockfish. An assessment of the combined species provides the overfished determination, and the OFL is based on the combined-species assessment.

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Table B. Endnotes for FSSI Stocks

Jurisdiction	Stock	Endnotes
NPFMC	Gulf of Alaska Deepwater Flatfish Complex	The Deep Water Flatfish Complex consists of the following stocks: Deepsea Sole, Dover Sole, and Greenland Turbot. Dover sole is the indicator species for determining the status of this stock complex.
NPFMC	Gulf of Alaska Demersal Shelf Rockfish Complex	The Demersal Shelf Rockfish Complex consists of the following stocks: Canary Rockfish, China Rockfish, Copper Rockfish, Quillback Rockfish, Rosethorn Rockfish, Tiger Rockfish, and Yelloweye Rockfish in the Southeast Outside district only. The overfishing determination is based on the OFL, which is computed by using estimates of Yelloweye Rockfish and then increased by 10% to account for the remaining members of the complex.
NPFMC	Gulf of Alaska Shallow Water Flatfish Complex	The Shallow Water Flatfish Complex consists of the following stocks: Alaska Plaice, Butter Sole, C-O Sole, Curlfin Sole, English Sole, Northern Rock Sole, Pacific Sanddab, Petrale Sole, Sand Sole, Slender Sole, Rock Sole, Speckled Sanddab, Starry Flounder, and Yellowfin Sole. The overfishing determination is based on the OFL, which is computed by using abundance estimates of the complex. A single, assemblage-wide OFL is specified, but overfishing was not defined for the "other" shallow-water flatfish stocks per se, because they are part of the overall shallow-water flatfish assemblage. SAFE report indicates that the shallow water flatfish complex was not subjected to overfishing and that neither of the indicator species (northern and southern rock sole) is overfished or approaching a condition of being overfished.
NPFMC	Gulf of Alaska Thornyhead Rockfish Complex	The Thornyhead Rockfish Complex consists of the following stocks: Longspine Thornyhead and Shortspine Thornyhead. The overfishing determination is based on the OFL, which is computed using abundance estimates of Shortspine Thornyhead.
PFMC	Pacific chub mackerel - Pacific Coast	The assessment for Pacific chub mackerel does not provide an estimate of Bmsy because stock size is largely driven by environmental factors; however, if stock size is at least 3 times the minimum stock size threshold (MSST), harvest is allowed and the stock size is regarded as well above target levels. The stock is currently at least 7 times the MSST.
PFMC	Pacific sardine - Pacific Coast	The fishery for Pacific sardine has been closed since 2015. Although Bmsy is not estimated, the stock is below the minimum stock size threshold (overfished threshold).
PFMC	Pacific Coast Blackspotted and Roughey Rockfish Complex	Roughey rockfish and blackspotted rockfish were assessed together to support the status of the combined stock complex.
PFMC	Chinook salmon - California Central Valley: Sacramento River Fall	The Pacific Fishery Management Council (PFMC) was notified by NMFS on 6/18/2018 that this stock is overfished and now requires a rebuilding plan. The PFMC has two years from this date to implement a rebuilding plan.

## National Marine Fisheries Service - 2nd Quarter 2019 Update

Table B. Endnotes for FSSI Stocks

Jurisdiction	Stock	Endnotes
PFMC	Chinook salmon - Northern California Coast: Klamath River Fall	The Pacific Fishery Management Council (PFMC) was notified by NMFS on 6/18/2018 that this stock is overfished and now requires a rebuilding plan. The PFMC has two years from this date to implement a rebuilding plan.
SAFMC	Blueline tilefish - Southern Atlantic Coast	The most recent stock assessment (2017) provided information on stock status from Key West, FL to Cape Hatteras, NC. The stock assessment did not provide overfishing and overfished stock status information on the portion of the stock between Cape Hatteras and the NC/VA border and the status of this portion is unknown. The South Atlantic Fishery Management Council has management authority over this stock from Key West to the NC/VA border.
SAFMC	Gray triggerfish - Southern Atlantic Coast	This stock was assessed in 2016, but the results were too uncertain to be used for recommending overfishing or overfished stock status determinations.
WPFMC	American Samoa Bottomfish Multi-species Complex	This complex contains 11 species including one emperor: spotcheek emperor; one grouper: yellow-edged lyretail; one jack: black jack; and eight snappers: common bluestripe snapper, crimson jobfish, golden eye jobfish, green jobfish, flame snapper, oblique-banded snapper, ruby snapper, and rusty jobfish.
WPFMC	Main Hawaiian Islands Deep 7 Bottomfish Multi-species Complex	This complex contains 7 species including one grouper: Hawaiian grouper and six snappers: crimson jobfish, flame snapper, oblique-banded snapper, lavender jobfish, ruby snapper, and rusty jobfish.
WPFMC	Guam Bottomfish Multi-species Complex	This complex contains 13 species including one emperor: spotcheek emperor; one grouper: yellow-edged lyretail; two jacks: black jack and giant trevally; and nine snappers: common bluestripe snapper, crimson jobfish, flame snapper, golden eye jobfish, goldflag jobfish, lavender jobfish, oblique-banded snapper, ruby snapper, and rusty jobfish.
WPFMC	Northern Mariana Islands Bottomfish Multi-species Complex	This complex contains 13 species including one emperor: spotcheek emperor; one grouper: yellow-edged lyretail; two jacks: black jack and giant trevally; and nine snappers: common bluestripe snapper, crimson jobfish, flame snapper, golden eye jobfish, goldflag jobfish, lavender jobfish, oblique-banded snapper, ruby snapper, and rusty jobfish.

## National Marine Fisheries Service - 2nd Quarter 2019 Update

Table C. Summary of Stock Status for Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Mangement Action Required	Rebuilding Program Progress
CFMC	Corals and Reef Associated Plants and Invertebrates of Puerto Rico and the United States Virgin Islands	Caribbean Aquarium Trade Plants and Invertebrates Species Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Aquarium Trade Reef Fish Species Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Tilefishes Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Goliath grouper - Caribbean	No	Yes	NA	Continue Rebuilding	Year 14 of 30 year plan
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Nassau grouper - Caribbean	No	Yes	NA	Continue Rebuilding	Year 14 of 25 year plan
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Puerto Rico Angelfishes Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Puerto Rico Boxfishes Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Puerto Rico Goatfishes Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Puerto Rico Grunts Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Puerto Rico Jacks Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Puerto Rico Scups and Porgies Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Puerto Rico Squirrelfishes Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Puerto Rico Surgeonfishes Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Puerto Rico Wrasses Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Croix Angelfishes Complex *	Unknown	Unknown	Unknown	NA	NA

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Table C. Summary of Stock Status for Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Mangement Action Required	Rebuilding Program Progress
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Croix Boxfishes Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Croix Goatfishes Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Croix Grunts Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Croix Jacks Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Croix Scups and Porgies Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Croix Squirrelfishes Complex *	Unknown	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Croix Surgeonfishes Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Croix Wrasses Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Thomas / St. John Angelfishes Complex *	Unknown	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Thomas / St. John Boxfishes Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Thomas / St. John Goatfishes Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Thomas / St. John Grunts Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Thomas / St. John Jacks Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Thomas / St. John Scups and Porgies Complex *	No	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Thomas / St. John Squirrelfishes Complex *	Unknown	Unknown	Unknown	NA	NA
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Thomas / St. John Surgeonfishes Complex *	No	Unknown	Unknown	NA	NA

## National Marine Fisheries Service - 2nd Quarter 2019 Update

Table C. Summary of Stock Status for Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Mangement Action Required	Rebuilding Program Progress
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	St. Thomas / St. John Wrasses Complex *	Unknown	Unknown	Unknown	NA	NA
GMFMC	Coral and Coral Reefs of the Gulf of Mexico	Black corals (Antipatharia) - Gulf of Mexico *	No	Unknown	Unknown	NA	NA
GMFMC	Coral and Coral Reefs of the Gulf of Mexico	Fire corals (Milleporidae) - Gulf of Mexico *	No	Unknown	Unknown	NA	NA
GMFMC	Coral and Coral Reefs of the Gulf of Mexico	Hydrocorals (Stylasteridae) - Gulf of Mexico *	No	Unknown	Unknown	NA	NA
GMFMC	Coral and Coral Reefs of the Gulf of Mexico	Sea fans (Gorgonia spp.) - Gulf of Mexico *	No	Unknown	Unknown	NA	NA
GMFMC	Coral and Coral Reefs of the Gulf of Mexico	Stony corals (Scleractinia) - Gulf of Mexico *	No	Unknown	Unknown	NA	NA
GMFMC	Red Drum Fishery of the Gulf of Mexico	Red drum - Gulf of Mexico	No	Unknown	Unknown	NA	NA
GMFMC	Reef Fish Resources of the Gulf of Mexico	Cubera snapper - Gulf of Mexico	No	Unknown	Unknown	NA	NA
GMFMC	Reef Fish Resources of the Gulf of Mexico	Gray snapper - Gulf of Mexico *	Yes	Unknown	Unknown	Reduce Mortality	NA
GMFMC	Reef Fish Resources of the Gulf of Mexico	Gulf of Mexico Deep Water Grouper Complex *	No	Unknown	Unknown	NA	NA
GMFMC	Reef Fish Resources of the Gulf of Mexico	Gulf of Mexico Jacks Complex *	No	Unknown	Unknown	NA	NA
GMFMC	Reef Fish Resources of the Gulf of Mexico	Gulf of Mexico Mid-Water Snapper Complex *	No	Unknown	Unknown	NA	NA
GMFMC	Reef Fish Resources of the Gulf of Mexico	Gulf of Mexico Shallow Water Grouper Complex *	Unknown	Unknown	Unknown	NA	NA
GMFMC	Reef Fish Resources of the Gulf of Mexico	Gulf of Mexico Tilefishes Complex *	No	Unknown	Unknown	NA	NA
GMFMC	Reef Fish Resources of the Gulf of Mexico	Lane snapper - Gulf of Mexico	Yes	Unknown	Unknown	Reduce Mortality	NA
HMS	Consolidated Atlantic Highly Migratory Species	Albacore - North Atlantic *	No	No	No	NA	NA

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Table C. Summary of Stock Status for Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Mangement Action Required	Rebuilding Program Progress
HMS	Consolidated Atlantic Highly Migratory Species	Atlantic Large Coastal Shark Complex *	Unknown	Unknown	Unknown	NA	NA
HMS	Consolidated Atlantic Highly Migratory Species	Bigeye tuna - Atlantic	Yes	Yes	No	Reduce Mortality, Continue Rebuilding	Year 20 of plan
HMS	Consolidated Atlantic Highly Migratory Species	Blue marlin - Atlantic *	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 18 of plan
HMS	Consolidated Atlantic Highly Migratory Species	Bluefin tuna - Western Atlantic *	No	Unknown	NA	NA	NA
HMS	Consolidated Atlantic Highly Migratory Species	Gulf Smoothhound Complex *	No	No	No	NA	NA
HMS	Consolidated Atlantic Highly Migratory Species	Longbill spearfish - Western Atlantic	Unknown	Unknown	Unknown	NA	NA
HMS	Consolidated Atlantic Highly Migratory Species	Pelagic Shark Complex *	Unknown	Unknown	Unknown	NA	NA
HMS	Consolidated Atlantic Highly Migratory Species	Prohibited Species *	Unknown	Unknown	Unknown	NA	NA
HMS	Consolidated Atlantic Highly Migratory Species	Roundscale spearfish - Atlantic	Unknown	Unknown	Unknown	NA	NA
HMS	Consolidated Atlantic Highly Migratory Species	Sailfish - Western Atlantic *	No	No - Rebuilding	No	Continue Rebuilding	Year 20 of plan
HMS	Consolidated Atlantic Highly Migratory Species	Skipjack tuna - Western Atlantic	No	No	No	NA	NA
HMS	Consolidated Atlantic Highly Migratory Species	Smooth dogfish - Atlantic	No	No	No	NA	NA
HMS	Consolidated Atlantic Highly Migratory Species	Swordfish - North Atlantic	No	No	NA	NA	NA

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Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Mangement Action Required	Rebuilding Program Progress
HMS	Consolidated Atlantic Highly Migratory Species	White marlin - Atlantic *	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 18 of plan
HMS	Consolidated Atlantic Highly Migratory Species	Yellowfin tuna - Atlantic	No	No	No	NA	NA
MAFMC	Tilefish	Blueline tilefish - Mid-Atlantic Coast	Unknown	Unknown	Unknown	NA	NA
NEFMC	Atlantic Salmon	Atlantic salmon - Gulf of Maine *	No	Yes	NA	Rebuild - ESA listed	NA
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Golden king crab - Pribilof Islands	No	Unknown	Unknown	NA	NA
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Red king crab - Western Aleutian Islands	No	Unknown	Unknown	NA	NA
NPFMC	Fish Resources of the Arctic Management Area	Arctic cod - Arctic Management Area *	No	Unknown	Unknown	NA	NA
NPFMC	Fish Resources of the Arctic Management Area	Saffron cod - Arctic Management Area *	No	Unknown	Unknown	NA	NA
NPFMC	Fish Resources of the Arctic Management Area	Snow crab - Arctic Management Area *	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Octopus Complex *	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Other Flatfish Complex *	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Other Rockfish Complex *	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Sculpin Complex *	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Shark Complex *	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Kamchatka flounder - Bering Sea / Aleutian Islands	No	No	No	NA	NA

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Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Mangement Action Required	Rebuilding Program Progress
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Pacific cod - Aleutian Islands	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Shortraker rockfish - Bering Sea / Aleutian Islands	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Walleye pollock - Bogoslof	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Gulf of Alaska	Atka mackerel - Gulf of Alaska	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Gulf of Alaska	Big skate - Gulf of Alaska	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Octopus Complex *	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Other Rockfish Complex *	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Sculpin Complex *	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Shark Complex *	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Skate Complex *	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Gulf of Alaska	Longnose skate - Gulf of Alaska	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Gulf of Alaska	Shortraker rockfish - Gulf of Alaska	No	Unknown	Unknown	NA	NA
NPFMC	Groundfish of the Gulf of Alaska	Walleye pollock - Southeast Gulf of Alaska	No	Unknown	Unknown	NA	NA
NPFMC	Salmon Fisheries in the EEZ off the Coast of Alaska	Alaska Coho Salmon Assemblage *	No	No	No	NA	NA
NPFMC	Salmon Fisheries in the EEZ off the Coast of Alaska	Chinook salmon - Eastern North Pacific Far North Migrating	No	No	No	NA	NA
NPFMC	Scallop Fishery off Alaska	Weatherwane scallop - Alaska	No	Unknown	Unknown	NA	NA
PFMC	Coastal Pelagic Species	Jack mackerel - Pacific Coast	No	Unknown	Unknown	NA	NA
PFMC	Coastal Pelagic Species	Krill (Euphausiacea) - Pacific Coast	Unknown	Unknown	Unknown	NA	NA

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Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Mangement Action Required	Rebuilding Program Progress
PFMC	Coastal Pelagic Species	Northern anchovy - Northern Pacific Coast	Unknown	Unknown	Unknown	NA	NA
PFMC	Pacific Coast Groundfish	Aurora rockfish - Pacific Coast	Unknown	No	No	NA	NA
PFMC	Pacific Coast Groundfish	Black rockfish - Washington	No	No	No	NA	NA
PFMC	Pacific Coast Groundfish	Cabezon - Oregon	No	No	No	NA	NA
PFMC	Pacific Coast Groundfish	China rockfish - Central Pacific Coast	Unknown	No	No	NA	NA
PFMC	Pacific Coast Groundfish	China rockfish - Northern Pacific Coast	Unknown	No	No	NA	NA
PFMC	Pacific Coast Groundfish	China rockfish - Southern Pacific Coast	Unknown	No	No	NA	NA
PFMC	Pacific Coast Groundfish	Copper rockfish - Pacific Coast	Unknown	No	No	NA	NA
PFMC	Pacific Coast Groundfish	Lingcod - Northern Pacific Coast	No	No	No	NA	NA
PFMC	Pacific Coast Groundfish	Northern Pacific Coast Minor Nearshore Rockfish Complex *	No	Unknown	Unknown	NA	NA
PFMC	Pacific Coast Groundfish	Northern Pacific Coast Minor Shelf Rockfish Complex *	No	Unknown	Unknown	NA	NA
PFMC	Pacific Coast Groundfish	Northern Pacific Coast Minor Slope Rockfish Complex *	No	Unknown	Unknown	NA	NA
PFMC	Pacific Coast Groundfish	Oregon Blue and Deacon Rockfish Complex	Unknown	No	No	NA	NA
PFMC	Pacific Coast Groundfish	Pacific Coast Other Flatfish Complex *	No	Unknown	Unknown	NA	NA
PFMC	Pacific Coast Groundfish	Pacific Coast Other Groundfish Complex *	No	Unknown	Unknown	NA	NA
PFMC	Pacific Coast Groundfish	Pacific cod - Pacific Coast	No	Unknown	Unknown	NA	NA
PFMC	Pacific Coast Groundfish	Pacific hake - Pacific Coast	No	No	No	NA	NA
PFMC	Pacific Coast Groundfish	Sharpchin rockfish - Pacific Coast	Unknown	No	No	NA	NA
PFMC	Pacific Coast Groundfish	Southern Pacific Coast Minor Nearshore Rockfish Complex *	No	Unknown	Unknown	NA	NA
PFMC	Pacific Coast Groundfish	Southern Pacific Coast Minor Shelf Rockfish Complex *	No	Unknown	Unknown	NA	NA

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Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Mangement Action Required	Rebuilding Program Progress
PFMC	Pacific Coast Groundfish	Southern Pacific Coast Minor Slope Rockfish Complex *	No	Unknown	Unknown	NA	NA
PFMC	Pacific Coast Groundfish	Stripetail rockfish - Pacific Coast	Unknown	No	No	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - California Central Valley: Sacramento River Spring	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - California Central Valley: Sacramento River Winter	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Lower River Hatchery Fall	NA Exception 1	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Lower River Hatchery Spring	NA Exception 1	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Mid-River Bright Hatchery Fall	NA Exception 1	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: North Lewis River Fall	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Snake River Fall	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Snake River Spring/Summer	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Spring Creek Hatchery Fall	NA Exception 1	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Upper River Bright Fall	No	No	No	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Upper River Spring	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Upper River Summer	Yes	No	No	Reduce Mortality	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Upper Willamette Spring	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Northern California Coast: California Coastal	NA Exception 2	NA	NA	NA	NA

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Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Mangement Action Required	Rebuilding Program Progress
PFMC	Pacific Coast Salmon	Chinook salmon - Northern California Coast: Klamath River Spring	Unknown	Unknown	Unknown	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Northern California Coast: Smith River	Unknown	Unknown	Unknown	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Oregon Coast: Central and Northern Oregon	No	No	No	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Oregon Coast: Southern Oregon	Unknown	No	No	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Cedar River Summer/Fall	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Eastern Strait of Juan de Fuca Summer/Fall	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Green River Summer/Fall	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Mid Hood Canal Summer/Fall	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Nisqually River Summer/Fall	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Nooksack Spring Early	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Puyallup Summer/Fall	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Skagit Spring	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Skagit Summer/Fall	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Skokomish Summer/Fall	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Snohomish Summer/Fall	NA Exception 2	NA	NA	NA	NA

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Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Mangement Action Required	Rebuilding Program Progress
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Stillaguamish Summer/Fall	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: White River Spring	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Grays Harbor Fall	No	No	No	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Grays Harbor Spring	Unknown	No	No	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Hoh Fall	No	No	No	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Hoh Spring/Summer	Unknown	No	No	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Hoko Summer/Fall	No	No	No	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Queets Fall	No	No	No	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Queets Spring/Summer	Unknown	No	No	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Quillayute Fall	No	No	No	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Quillayute Spring/Summer	Unknown	No	No	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Quinault Fall Hatchery	NA Exception 1	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Willapa Bay Fall Hatchery	NA Exception 1	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Willapa Bay Fall Natural	No	No	No	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Central California Coast	NA Exception 2	NA	NA	NA	NA

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Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Mangement Action Required	Rebuilding Program Progress
PFMC	Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Columbia River Early Hatchery	NA Exception 1	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Columbia River Late Hatchery	NA Exception 1	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Lower Columbia Natural *	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Oregon Coast Hatchery	NA Exception 1	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Oregon Coast Natural *	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Southern Oregon/Northern California Coast	NA Exception 2	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Puget Sound: Hood Canal	No	No	No	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Puget Sound: Skagit	No	No	No	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Puget Sound: Snohomish *	No	Yes	NA	Rebuilding Program	NA
PFMC	Pacific Coast Salmon	Coho salmon - Puget Sound: South Puget Sound Hatchery	NA Exception 1	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Puget Sound: Stillaguamish	No	No	No	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Grays Harbor	No	No	No	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Hoh	No	No	No	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Queets *	No	Yes	NA	Rebuilding Program	NA

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Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Mangement Action Required	Rebuilding Program Progress
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Quillayute Fall	No	No	No	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Quillayute Summer Hatchery	NA Exception 1	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Quinault Hatchery	NA Exception 1	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Strait of Juan de Fuca *	No	Yes	NA	Rebuilding Program	NA
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Willapa Bay Hatchery	NA Exception 1	NA	NA	NA	NA
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Willapa Bay Natural	No	No	No	NA	NA
PFMC	Pacific Coast Salmon	Pink salmon - Puget Sound *	Unknown	Unknown	Unknown	NA	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Albacore - North Pacific	No	No	No	NA	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Bigeye thresher - Pacific	Unknown	Unknown	Unknown	NA	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Bigeye tuna - Eastern Pacific	No	No	No	NA	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Bigeye tuna - Western and Central Pacific	No	No	No	NA	NA

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PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Blue shark - North Pacific	No	No	No	NA	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Dolphinfish - Pacific	Unknown	Unknown	Unknown	NA	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Pacific bluefin tuna - Pacific *	Yes	Yes	No	Reduce Mortality, Continue Rebuilding	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Pelagic thresher - North Pacific	Unknown	Unknown	Unknown	NA	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Shortfin mako - North Pacific	No	No	No	NA	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Skipjack tuna - Eastern Pacific	No	No	No	NA	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Skipjack tuna - Western and Central Pacific	No	No	No	NA	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Striped marlin - Eastern Pacific	No	No	No	NA	NA

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PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Striped marlin - Western and Central North Pacific *	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Swordfish - Eastern Pacific	Yes	No	No	Reduce Mortality	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Swordfish - Western and Central North Pacific	No	No	No	NA	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Thresher shark - North Pacific	No	No	No	NA	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Yellowfin tuna - Eastern Pacific	Yes	No	No	Reduce Mortality	NA
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Yellowfin tuna - Western and Central Pacific	No	No	No	NA	NA
SAFMC	Coral, Coral Reefs and Live/Hard Bottom Habitats of the South Atlantic Region	Black corals (Antipatharia) - Southern Atlantic Coast *	No	Unknown	Unknown	NA	NA
SAFMC	Coral, Coral Reefs and Live/Hard Bottom Habitats of the South Atlantic Region	Fire corals (Milleporidae) - Southern Atlantic Coast *	No	Unknown	Unknown	NA	NA

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Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Mangement Action Required	Rebuilding Program Progress
SAFMC	Coral, Coral Reefs and Live/Hard Bottom Habitats of the South Atlantic Region	Hydrocorals (Stylasteridae) - Southern Atlantic Coast *	No	Unknown	Unknown	NA	NA
SAFMC	Coral, Coral Reefs and Live/Hard Bottom Habitats of the South Atlantic Region	Soft corals (Octocorallia) - Southern Atlantic Coast *	No	Unknown	Unknown	NA	NA
SAFMC	Coral, Coral Reefs and Live/Hard Bottom Habitats of the South Atlantic Region	Stony corals (Scleractinia) - Southern Atlantic Coast *	No	Unknown	Unknown	NA	NA
SAFMC	Dolphin and Wahoo Fishery of the Atlantic	Wahoo - Southern Atlantic Coast	Unknown	Unknown	Unknown	NA	NA
SAFMC	Golden Crab Fishery of the South Atlantic Region	Golden deepsea crab - Southern Atlantic Coast	Unknown	Unknown	Unknown	NA	NA
SAFMC	Pelagic Sargassum Habitat of the South Atlantic Region	Sargassum - Southern Atlantic Coast *	No	No	Unknown	NA	NA
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Atlantic spadefish - Southern Atlantic Coast	Unknown	Unknown	Unknown	NA	NA
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Bar jack - Southern Atlantic Coast	Unknown	Unknown	Unknown	NA	NA
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Hogfish - Carolinas	Unknown	Unknown	No	NA	NA
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Nassau grouper - Southern Atlantic Coast / Gulf of Mexico *	No	Unknown	Unknown	NA	NA
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Scamp - Southern Atlantic Coast	No	Unknown	Unknown	NA	NA
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	South Atlantic Deepwater Snapper-Grouper Complex *	Unknown	Unknown	Unknown	NA	NA
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	South Atlantic Grunts Complex *	Unknown	Unknown	Unknown	NA	NA
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	South Atlantic Jacks Complex *	Unknown	Unknown	Unknown	NA	NA

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SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	South Atlantic Porgy Complex *	Unknown	Unknown	Unknown	NA	NA
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	South Atlantic Shallow Water Snapper-Grouper Complex *	Unknown	Unknown	Unknown	NA	NA
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	South Atlantic Snappers Complex *	Unknown	Unknown	Unknown	NA	NA
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Wreckfish - Southern Atlantic Coast	No	No	No	NA	NA
SAFMC / GMFMC	Snapper-Grouper Fishery of the South Atlantic Region / Reef Fish Resources of the Gulf of Mexico	Goliath grouper - Southern Atlantic Coast / Gulf of Mexico *	No	Unknown	Unknown	NA	NA
WPFMC	Hawaii Archipelago Ecosystem	180 Fathom Bank Precious Coral Complex *	Unknown	Unknown	Unknown	NA	NA
WPFMC	Hawaii Archipelago Ecosystem	Au'Au Bed Black Coral Complex *	Unknown	Unknown	Unknown	NA	NA
WPFMC	Hawaii Archipelago Ecosystem	Brooks Bank Precious Coral Complex *	Unknown	Unknown	Unknown	NA	NA
WPFMC	Hawaii Archipelago Ecosystem	Deepwater shrimps (Heterocarpus spp.) - Main Hawaiian Islands	Unknown	Unknown	Unknown	NA	NA
WPFMC	Hawaii Archipelago Ecosystem	Hancock Seamount Groundfish Complex *	Unknown	Yes	NA	Continue Rebuilding	Year 33 of plan
WPFMC	Hawaii Archipelago Ecosystem	Hawaiian Archipelago Exploratory Area Precious Coral Complex *	Unknown	Unknown	Unknown	NA	NA
WPFMC	Hawaii Archipelago Ecosystem	Kaena Point Bed Precious Coral Complex *	Unknown	Unknown	Unknown	NA	NA
WPFMC	Hawaii Archipelago Ecosystem	Keahole Bed Precious Coral Complex *	Unknown	Unknown	Unknown	NA	NA
WPFMC	Hawaii Archipelago Ecosystem	Green Jobfish - Main Hawaiian Islands	Unknown	Unknown	Unknown	NA	NA
WPFMC	Hawaii Archipelago Ecosystem	Makapu'u Bed Precious Corals Multi-species Complex *	No	Unknown	Unknown	NA	NA
WPFMC	Hawaii Archipelago Ecosystem	Northwestern Hawaiian Islands Bottomfish Multi-species Complex *	Unknown	Unknown	Unknown	NA	NA

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Table C. Summary of Stock Status for Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Mangement Action Required	Rebuilding Program Progress
WPFMC	Hawaii Archipelago Ecosystem	Northwestern Hawaiian Islands Crustacean Complex *	No	Unknown	Unknown	NA	NA
WPFMC	Hawaii Archipelago Ecosystem	Spanner crab - Main Hawaiian Islands	Unknown	Unknown	Unknown	NA	NA
WPFMC	Hawaii Archipelago Ecosystem	Westpac Bed refugium- Precious corals complex	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Albacore - South Pacific	No	No	No	NA	NA
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Black marlin - Pacific	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Blue marlin - Pacific	No	No	No	NA	NA
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Kawakawa - Pacific	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Longfin mako - North Pacific	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Oceanic whitetip shark - Western and Central Pacific	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Opah - Pacific	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Pacific Other Tuna Relatives Complex *	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Pomfrets (Bramidae) - Pacific	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Sailfish - Pacific	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Salmon shark - North Pacific	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Shortbill spearfish - Pacific	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Silky shark - Western and Central Pacific	Unknown	Unknown	Unknown	NA	NA

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Table C. Summary of Stock Status for Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Mangement Action Required	Rebuilding Program Progress
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Snake mackerels (Gempylidae) - Pacific	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Wahoo - Pacific	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Western Pacific Squid Complex *	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Remote Island Areas Ecosystem	Pacific Island Remote Areas Coral Reef Ecosystem Multi-species Complex *	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Remote Island Areas Ecosystem	Pacific Remote Island Areas Black Precious Coral Complex *	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Remote Island Areas Ecosystem	Pacific Remote Island Areas Bottomfish Complex *	Unknown	Unknown	Unknown	NA	NA
WPFMC	Pacific Remote Island Areas Ecosystem	Pacific Remote Island Areas Crustacean Complex *	Unknown	Unknown	No	NA	NA
WPFMC	Pacific Remote Island Areas Ecosystem	Pacific Remote Island Areas Exploratory Area Precious Coral Complex *	Unknown	Unknown	Unknown	NA	NA

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Table D. Endnotes for Non-FSSI Stocks

Jurisdiction	Stock	Endnotes
CFMC	Caribbean Aquarium Trade Plants and Invertebrates Species Complex	Caribbean Aquarium Trade Plants and Invertebrates Species Complex contains the following potentially harvested species: Sponges: Erect rope sponge, chicken liver sponge, Cynachirella alloclada , potato sponge, finger sponge, Myriastra spp., pink vase sponge, lavender rope sponge, Spinosella polycifera , S. vaginalis, Tethya crypta ; Coelenterates: Pale anemone, corkscrew anemone, giant pink-tipped anemone, knobby anemone, Lebrunia spp. staghorn anemone, sun anemone, Zoanthus spp. sea mat, Diacosoma spp. false coral, Florida false coral; Annelid Worms: Sabellastarte spp. tube worms, magnificent duster, Christmas tree worm; Mollusks: Lettuce sea slug, netted olive, flamingo tongue, Lima spp., fileclams, rough fileclam, Atlantic thorny oyster, Octopus spp. (except the Common octopus, O. vulgaris); Arthropods: Snapping shrimp, Paguristes spp. hermit crabs, red reef hermit, nimble spray crab, Lysmata spp. peppermint shrimp, anemone shrimp, Mithrax spp. clinging crabs, banded clinging crabs, green clinging crabs, yellowline arrow crabs, Periclimenes spp. cleaner shrimp, Gonodactylus spp., Lysiosquilla spp., banded shrimp, golden shrimp; Echinoderms: Swimming crinoid, Davidaster spp., Crinoids, Nemaster spp. Crinoids, Astropecten spp. sand stars, common comet star, comet star, cushion sea star, giant basket star, Ophiocoma spp. brittlestars, Ophioderma spp. brittlestars, ruby brittlestar, long-spined urchin, Echinometra spp. purple urchin, pencil urchin, Lytechinus spp. pin cushion urchin, sea egg, Holothuria spp. sea cucumbers, Tunicates-Subphylum Urochordata.
CFMC	Caribbean Aquarium Trade Reef Fish Species Complex	Caribbean Aquarium Trade Species Complex contains the following species: Creole wrasse, yellowhead wrasse, yellowcheek wrasse, clown wrasse, bluehead wrasse, peppermint basslet, fairy basslet, yellowtail damselfish, dusky damselfish, bicolor damselfish, threespot damselfish, beaugregory, foureye butterflyfish, longsnout butterflyfish, spotfin butterflyfish, banded butterflyfish, lantern bass, orangeback bass, tobaccofish, harlequin bass, chalk bass, yellowhead jawfish, dusky jawfish, pearly razorfish, green razorfish, chain moray, green moray, goldentail moray, neon goby, rusty goby, jackknife-fish, spotted drum, blue chromis, sunshinefish, sergeant major, conchfish, flamefish, redspotted hawkfish, frogfish, peacock flounder, Atlantic spadefish, sharpnose puffer, cherubfish, porcupinefish, flying gurnard, glasseye snapper, butter hamlet, rock beauty, goldspotted eel, redlip blenny, high-hat, greater soapfish, sand diver, Caribbean tonguefish, Seahorses, Pipefishes, Batfish, and Scorpionfish.
CFMC	Caribbean Tilefishes Complex	Caribbean Tilefishes Complex is part of the Caribbean Reef Fish FMU and is composed of blackline and sand tilefishes. There is no indicator species for this unit.
CFMC	Puerto Rico Angelfishes Complex	Puerto Rico Angelfishes Complex is composed of queen, gray, and French angelfishes. There is no indicator species for this unit.
CFMC	Puerto Rico Boxfishes Complex	Puerto Rico Boxfishes Complex is composed of honeycombed and scrawled cowfishes; trunkfish, spotted trunkfish, and smooth trunkfish. There is no indicator species for this unit.
CFMC	Puerto Rico Goatfishes Complex	Puerto Rico Goatfishes Complex is composed of spotted and yellow goatfishes. There is no indicator species for this unit.
CFMC	Puerto Rico Grunts Complex	Puerto Rico Grunts Complex is composed of white grunt, tomtate, blue striped grunt, French grunt, margate, and porkfish. There is no indicator species for this unit.

## National Marine Fisheries Service - 2nd Quarter 2019 Update

Table D. Endnotes for Non-FSSI Stocks

Jurisdiction	Stock	Endnotes
CFMC	Puerto Rico Jacks Complex	Puerto Rico Jacks Complex is composed of blue runner, greater amberjack, horseye, black, almaco, bar, and yellow jacks. There is no indicator species for this unit.
CFMC	Puerto Rico Scups and Porgies Complex	Puerto Rico Porgies Complex is composed of jolthead porgy, sea bream, sheepshead porgy, and pluma. There is no indicator species for this unit.
CFMC	Puerto Rico Squirrelfishes Complex	Puerto Rico Squirrelfishes Complex is composed of black bar soldierfish, longspine squirrelfish, bigeye ( <i>Priacanthus arenatus</i> ), and squirrelfish. There is no indicator species for this unit.
CFMC	Puerto Rico Surgeonfishes Complex	Puerto Rico Surgeonfish Complex is composed of doctorfish, bluetang, and ocean surgeonfish. There is no indicator species for this unit.
CFMC	Puerto Rico Wrasses Complex	Puerto Rico Hogfish/Wrasses Complex is composed of hogfish, Spanish hogfish, and puddingwife. There is no indicator species for this unit.
CFMC	St. Croix Angelfishes Complex	St. Croix Angelfishes Complex is composed of queen, gray, and French angelfishes. There is no indicator species for this unit.
CFMC	St. Croix Boxfishes Complex	St. Croix Boxfishes Complex is composed of honeycombed and scrawled cowfishes; trunkfish, spotted trunkfish, and smooth trunkfish. There is no indicator species for this unit.
CFMC	St. Croix Goatfishes Complex	St. Croix Goatfishes Complex is composed of spotted and yellow goatfishes. There is no indicator species for this unit.
CFMC	St. Croix Grunts Complex	St. Croix Grunts Complex is composed of white grunt, tomtate, blue striped grunt, French grunt, margate, and porkfish. There is no indicator species for this unit.
CFMC	St. Croix Jacks Complex	St. Croix Jacks Complex is composed of blue runner, greater amberjack, horseye, black, almaco, bar, and yellow jacks. There is no indicator species for this unit.
CFMC	St. Croix Scups and Porgies Complex	St. Croix Porgies Complex is composed of jolthead porgy, sea bream, sheepshead porgy, and pluma. There is no indicator species for this unit.
CFMC	St. Croix Squirrelfishes Complex	St. Croix Squirrelfishes Complex is composed of black bar soldierfish, longspine squirrelfish, bigeye ( <i>Priacanthus arenatus</i> ), and squirrelfish. There is no indicator species for this unit.
CFMC	St. Croix Surgeonfishes Complex	St. Croix Surgeonfish Complex is composed of doctorfish, bluetang, and ocean surgeonfish. There is no indicator species for this unit.
CFMC	St. Croix Wrasses Complex	St. Croix Hogfish/Wrasses Complex is composed of hogfish, Spanish hogfish, and puddingwife. There is no indicator species for this unit.
CFMC	St. Thomas / St. John Angelfishes Complex	St. Thomas/St. John Angelfishes Complex is composed of queen, gray, and French angelfishes. There is no indicator species for this unit.
CFMC	St. Thomas / St. John Boxfishes Complex	St. Thomas/St. John Boxfishes Complex is composed of honeycombed and scrawled cowfishes; trunkfish, spotted trunkfish, and smooth trunkfish. There is no indicator species for this unit.
CFMC	St. Thomas / St. John Goatfishes Complex	St. Thomas/St. John Goatfishes Complex is composed of spotted and yellow goatfishes. There is no indicator species for this unit.
CFMC	St. Thomas / St. John Grunts Complex	St. Thomas/St. John Grunts Complex is composed of white grunt, tomtate, blue striped grunt, French grunt, margate, and porkfish. There is no indicator species for this unit.

## National Marine Fisheries Service - 2nd Quarter 2019 Update

Table D. Endnotes for Non-FSSI Stocks

Jurisdiction	Stock	Endnotes
CFMC	St. Thomas / St. John Jacks Complex	St. Thomas/St. John Jacks Complex is composed of blue runner, greater amberjack, horseeye, black, almaco, bar, and yellow jacks. There is no indicator species for this unit.
CFMC	St. Thomas / St. John Scups and Porgies Complex	St. Thomas/St. John Porgies Complex is composed of jolthead porgy, sea bream, sheepshead porgy, and pluma. There is no indicator species for this unit.
CFMC	St. Thomas / St. John Squirrelfishes Complex	St. Thomas/St. John Squirrelfishes Complex is composed of black bar soldierfish, longspine squirrelfish, bigeye ( <i>Priacanthus arenatus</i> ), and squirrelfish. There is no indicator species for this unit.
CFMC	St. Thomas / St. John Surgeonfishes Complex	St. Thomas/St. John Surgeonfish Complex is composed of doctorfish, bluetang, and ocean surgeonfish. There is no indicator species for this unit.
CFMC	St. Thomas / St. John Wrasses Complex	St. Thomas/St. John Hogfish/Wrasses Complex is composed of hogfish, Spanish hogfish, and puddingwife. There is no indicator species for this unit.
GMFMC	Black corals ( <i>Antipatharia</i> ) - Gulf of Mexico	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
GMFMC	Fire corals ( <i>Milleporidae</i> ) - Gulf of Mexico	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
GMFMC	Hydrocorals ( <i>Stylasteridae</i> ) - Gulf of Mexico	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
GMFMC	Sea fans ( <i>Gorgonia</i> spp.) - Gulf of Mexico	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
GMFMC	Stony corals ( <i>Scleractinia</i> ) - Gulf of Mexico	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
GMFMC	Gray snapper - Gulf of Mexico	A stock assessment was completed for the first time for gray snapper in 2018. The Gulf of Mexico Fishery Management Council is preparing an amendment to the Reef Fish Fishery Management Plan to address the results of the assessment and adopt an overfished definition so that an overfished status determination can be recommended.
GMFMC	Gulf of Mexico Deep Water Grouper Complex	The Deep Water Grouper Complex contains snowy grouper, speckled hind, and Warsaw grouper.
GMFMC	Gulf of Mexico Jacks Complex	The Jacks Complex contains Almaco jack, banded rudderfish, and lesser amberjack.
GMFMC	Gulf of Mexico Mid-Water Snapper Complex	The Mid-Water Snapper Complex contains blackfin snapper, Queen snapper, silk snapper, and wenchman.
GMFMC	Gulf of Mexico Shallow Water Grouper Complex	The Shallow Water Grouper Complex contains scamp, yellowfin grouper, and yellowmouth grouper; landings of black grouper in the Gulf of Mexico are counted towards this complex, but are not used for purposes of determining overfishing status.
GMFMC	Gulf of Mexico Tilefishes Complex	The Tilefishes Complex contains blueline tilefish, goldface tilefish, and tilefish.
HMS	Albacore - North Atlantic	This stock was previously in a rebuilding plan that was implemented in 2006, but did not have a target end date because information was lacking about projected rebuilding times. In 2010, there was enough information to develop projected rebuilding rates and a 10-year plan was implemented.

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Table D. Endnotes for Non-FSSI Stocks

Jurisdiction	Stock	Endnotes
HMS	Atlantic Large Coastal Shark Complex	In addition to Sandbar Shark, Gulf of Mexico Blacktip Shark, Atlantic Blacktip Shark, and Scalloped Hammerhead (which are assessed individually), the Large Coastal Shark Complex also consists of additional stocks including Spinner Shark, Silky Shark, Bull Shark, Tiger Shark, Lemon Shark, Nurse Shark, Great Hammerhead Shark, and Smooth Hammerhead Shark.
HMS	Blue marlin - Atlantic	For the overfished North Atlantic blue and white marlins, Amendment One to the Atlantic Billfish FMP established a foundation to develop an international rebuilding plan. An international rebuilding plan with a two-phase approach was adopted in 2000 by ICCAT; Phase I was implemented on 6/1/2001, while the United States continues to work toward its full implementation. It should be noted that the ICCAT rebuilding program does not satisfy all the requirements of the Magnuson-Stevens Act. NMFS is continuing to work domestically to monitor its fisheries and promote conservation.
HMS	Bluefin tuna - Western Atlantic	For the most recent assessment, completed in 2017, the previously-used approach of basing stock status information on two widely divergent stock recruitment scenarios was abandoned, given the lack of evidence to support one scenario over the other, and the inability to calculate biomass-based reference points apart from knowledge (or assumptions) about how future recruitment potential relates to spawning stock biomass. Instead, a fishing mortality rate-based approach was used to provide management advice. For 2018-2020, the stock will be managed under an interim conservation and management plan (including an annual Total Allowable Catch), which is responsive to the scientific advice while recognizing the need for a transition between the 20-year rebuilding program adopted in 1998 and a future approach to managing the stock that relies on management procedures, which ICCAT has recommended for bluefin tuna and other priority stocks to manage fisheries more effectively in the face of identified uncertainties.
HMS	Gulf Smoothhound Complex	The species contained in this complex are smooth dogfish, Florida smoothhound, and Gulf smoothhound.
HMS	Pelagic Shark Complex	In addition to Shortfin Mako Shark, Blue Shark, and Porbeagle Shark (which are assessed individually), the Pelagic Shark Complex also consists of Oceanic Whitetip Shark and Thresher Shark.
HMS	Prohibited Species	Stocks that cannot be retained in commercial or recreational fisheries include Atlantic Angel, Basking, Bigeye Sand Tiger, Bigeye Sixgill, Bigeye Thresher, Bignose, Caribbean Reef, Caribbean Sharpnose, Galapagos, Longfin Mako, Narrowtooth, Night, Sand Tiger, Sevengill, Sixgill, Smalltail, Whale, and White sharks.
HMS	Sailfish - Western Atlantic	While steps have been taken internationally to pursue recovery of the overfished west Atlantic sailfish stock, an international rebuilding program has not yet been adopted. NMFS is continuing to work through ICCAT to establish an international rebuilding program and is working domestically to monitor its fisheries and promote conservation.
HMS	White marlin - Atlantic	An international rebuilding plan with a two-phase approach was adopted in 2000 by ICCAT; Phase I was implemented on 6/1/2001, while the United States continues to work toward its full implementation. It should be noted that the ICCAT rebuilding program does not satisfy all the requirements of the Magnuson-Stevens Act. NMFS is continuing to work domestically to monitor its fisheries and promote conservation. Overfishing for this stock may not have been occurring in 2010; however, due to the high level of uncertainty in the assessment, the status remains unchanged. This stock is anticipated to be assessed again in 2016

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Table D. Endnotes for Non-FSSI Stocks

Jurisdiction	Stock	Endnotes
NEFMC	Atlantic salmon - Gulf of Maine	Rebuilding of Atlantic salmon is being pursued under the Endangered Species Act. Atlantic salmon was listed as endangered under the ESA in December 2000.
NPFMC	Arctic cod - Arctic Management Area	There is no commercial fishing for this stock, including Alaska state waters and international fishing, so fishing mortality is expected to be zero.
NPFMC	Saffron cod - Arctic Management Area	There is no commercial fishing for this stock, including Alaska state waters and international fishing, so fishing mortality is expected to be zero.
NPFMC	Snow crab - Arctic Management Area	There is no commercial fishing for this stock, including Alaska state waters and international fishing, so fishing mortality is expected to be zero.
NPFMC	Bering Sea / Aleutian Islands Octopus Complex	The Octopus Complex consists of Giant Pacific Octopus, Flapjack Devilfish, Pelagic Octopus, Smoothskin Octopus, Octopus Benthooctopus oregonensis, Octopus Graneledone boreopacifica, and Octopus Bathypolypus arcticus. The Giant Octopus is regarded as the indicator species for this complex.
NPFMC	Bering Sea / Aleutian Islands Other Flatfish Complex	The Other Flatfish Complex consists of the following stocks: Arctic Flounder, Butter Sole, Curlfin Sole, Deepsea Sole, Dover Sole, English Sole, Longhead Dab, Pacific Sanddab, Petrale Sole, Rex Sole, Roughscale Sole, Sakhalin Sole, Sand Sole, Slender Sole, and Starry Flounder. The overfishing determination is based on the OFL, which is computed by using abundance estimates of the complex.
NPFMC	Bering Sea / Aleutian Islands Other Rockfish Complex	The Other Rockfish Complex consists of the following stocks: Dark Rockfish, Dusky Rockfish, Harlequin Rockfish, Redbanded Rockfish, Redstripe Rockfish, Sharpchin Rockfish, Shortspine Thornyhead, and Yelloweye Rockfish. The overfishing determination is based on the OFL, which is computed by using abundance estimates of the complex.
NPFMC	Bering Sea / Aleutian Islands Sculpin Complex	The Sculpin Complex consists of Antlered Sculpin, Arctic Staghorn Sculpin, Armorhead Sculpin, Banded Irish Lord, Bigmouth Sculpin, Blackfin Sculpin, Blacknose Sculpin, Blob Sculpin, Bride Sculpin, Broadfin Sculpin, Butterfly Sculpin, Crescent-tail Sculpin, Crested Sculpin, Darkfin Sculpin, Eyeshade Sculpin, Flabby Sculpin, Fourhorn Sculpin, Great Sculpin, Grunt Sculpin, Leister Sculpin, Longfin Irish Lord, Longfin Sculpin, Northern Sculpin, Pacific Hookear Sculpin, Pacific Staghorn Sculpin, Plain Sculpin, Purplegray Sculpin, Red Irish Lord, Ribbed Sculpin, Roughskin Sculpin, Roughspine Sculpin, Sailfin Sculpin, Scaled Sculpin, Scalybreasted Sculpin, Scissortail Sculpin, Slim Sculpin, Smoothcheek Sculpin, Spatulate Sculpin, Spectacled Sculpin, Spinyhead Sculpin, Sponge Sculpin, Tadpole Sculpin, Thorny Sculpin, Threaded Sculpin, Uncinate Sculpin, Warty Sculpin, Wide-eye Sculpin, and Yellow Irish Lord.
NPFMC	Bering Sea / Aleutian Islands Shark Complex	The Shark Complex consists of Pacific Sleeper Shark, Salmon Shark, and Spiny Dogfish.
NPFMC	Gulf of Alaska Octopus Complex	The Octopus Complex consists of Flapjack Devilfish, Giant Pacific Octopus, Pelagic Octopus, Red Octopus, Smoothskin Octopus, Vampire Squid, and North Pacific Bigeye Octopus. The Giant Octopus is regarded as the indicator species for this complex. There is no OFL specified for this complex. The TAC is set at an amount less than or equal to 5 percent of the combined TACs for the remainder of the groundfish fishery.

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Table D. Endnotes for Non-FSSI Stocks

Jurisdiction	Stock	Endnotes
NPFMC	Gulf of Alaska Other Rockfish Complex	The Other Rockfish Complex consists of the following stocks: Canary Rockfish, China Rockfish, Copper Rockfish, Quillback Rockfish, Rosethorn Rockfish, Tiger Rockfish, and Yelloweye Rockfish (demersal shelf rockfish); and Blackgill Rockfish, Bocaccio, Chilipepper, Darkblotched Rockfish, Greenstriped Rockfish, Harlequin Rockfish, Northern Rockfish, Pygmy Rockfish, Redbanded Rockfish, Redstripe Rockfish, Sharpchin Rockfish, Silvergray Rockfish, Splitnose Rockfish, Stripetail Rockfish, Vermilion Rockfish, Widow Rockfish, Yelloweye Rockfish, and Yellowmouth Rockfish in various districts in the Gulf of Alaska.
NPFMC	Gulf of Alaska Sculpin Complex	The Sculpin Complex consists of Antlered Sculpin, Armorhead Sculpin, Bigmouth Sculpin, Blackfin Sculpin, Blob Sculpin, Brightbelly Sculpin, Brown Irish Lord, Buffalo Sculpin, Crested Sculpin, Darkfin Sculpin, Dusky Sculpin, Eyeshade Sculpin, Fourhorn Sculpin, Frog Sculpin, Frogmouth Sculpin, Great Sculpin, Grunt Sculpin, Longfin Sculpin, Northern Sculpin, Pacific Staghorn Sculpin, Plain Sculpin, Red Irish Lord, Ribbed Sculpin, Roughspine Sculpin, Roughskin Sculpin, Sailfin Sculpin, Scissortail Sculpin, Silverspotted Sculpin, Slim Sculpin, Smoothcheek Sculpin, Smoothhead Sculpin, Spatulate Sculpin, Spectacled Sculpin, Spinyhead Sculpin, Sponge Sculpin, Spotfin Sculpin, Tadpole Sculpin, Thorny Sculpin, Threaded Sculpin, Threadfin Sculpin, Warty Sculpin, Yellow Irish Lord, Sculpin <i>Arctediellus</i> sp., and Sculpin <i>Icelus euryops</i> .
NPFMC	Gulf of Alaska Shark Complex	The Shark Complex consists of Pacific Sleeper Shark, Salmon Shark, and Spiny Dogfish.
NPFMC	Gulf of Alaska Skate Complex	The Skate Complex consists of the following stocks: Alaska Skate, Aleutian Skate, Bering Skate, Deepsea Skate, Roughshoulder Skate, Roughtail Skate, and Whiteblotched Skate. The overfishing determination is based on the combined abundance estimates of these species.
NPFMC	Alaska Coho Salmon Assemblage	The Alaska Coho Salmon Assemblage consists of coho, sockeye, pink, and chum salmon throughout southeast Alaska. There are 3 indicator stocks of coho salmon that are used to determine the status of the assemblage; these indicator stocks are Auke Creek, Berners River, and Hugh Smith Lake.
PFMC	Northern Pacific Coast Minor Nearshore Rockfish Complex	The Northern Pacific Coast Minor Nearshore Rockfish Complex contains the following stocks: black-and-yellow, blue, brown, calico, China copper, gopher, grass, kelp, olive, quillback, and treefish.
PFMC	Northern Pacific Coast Minor Shelf Rockfish Complex	The Northern Pacific Coast Minor Shelf Rockfish Complex contains the following stocks: bronzespotted, chameleon, chilipepper, dusky, dwarf-red, flag, freckled, greenblotched, greenspotted, greenstriped, halfbanded, harlequin, honeycomb, Mexican, pink, pinkrose, pygmy, redstripe, rosethorn, rosy, silvergray, speckled, squarespot, starry, stripetail, swordspine, tiger, and vermilion rockfish; and bocaccio and cowcod.
PFMC	Northern Pacific Coast Minor Slope Rockfish Complex	The Northern Pacific Coast Minor Slope Rockfish Complex contains the following stocks: Aurora, bank, blackgill, redbanded, roughey, sharpchin, shortraker, splitnose, and yellowmouth rockfish.
PFMC	Pacific Coast Other Flatfish Complex	The Pacific Coast Other Flatfish Complex contains the following stocks: Butter, curlfin, flathead, rex, rock, and sand sole; and Pacific sanddab.
PFMC	Pacific Coast Other Groundfish Complex	The Pacific Coast Other Groundfish Complex contains the following stocks: Big skate, cabezon, California skate, finescale codling, kelp greenling, leopard shark, ratfish, and tope.
PFMC	Southern Pacific Coast Minor Nearshore Rockfish Complex	The Southern Pacific Coast Minor Nearshore Rockfish Complex contains the following stocks: Black-and-yellow, gopher, grass, kelp, blue, brown, calico, olive, and quillback rockfish; and treefish.

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Table D. Endnotes for Non-FSSI Stocks

Jurisdiction	Stock	Endnotes
PFMC	Southern Pacific Coast Minor Shelf Rockfish Complex	The Southern Pacific Coast Minor Shelf Rockfish Complex contains the following stocks: Bronzespotted, chameleon, dusky, dwarf-red, flag, freckled, greenblotched, greenspotted, greenstriped, halfbanded, harlequin, honeycomb, Mexican, pink, pinkrose, pygmy, redstripe, rosethorn, rosy, silvergray, speckled, squarespot, starry, swordspine, tiger, vermilion, and yellowtail rockfish.
PFMC	Southern Pacific Coast Minor Slope Rockfish Complex	The Southern Pacific Coast Minor Slope Rockfish Complex contains the following stocks: Aurora, bank, blackgill, redbanded, roughey, sharpchin, shortraker, and yellowmouth rockfish; and Pacific ocean perch.
PFMC	Coho salmon - Oregon Production Index Area: Lower Columbia Natural	Oregon Coastal Natural (OCN) coho are managed subject to the provisions of Amendment 13 to the Salmon FMP. The southern stock complex is listed as a threatened species under the ESA as part of the Southern Oregon / Northern California Coasts Coho ESU (May 6, 1997), and the northern components, Oregon Coast coho, are also listed as threatened. The OCN stocks have met their management objectives in recent years.
PFMC	Coho salmon - Oregon Production Index Area: Oregon Coast Natural	Oregon Coastal Natural (OCN) coho are managed subject to the provisions of Amendment 13 to the Salmon FMP. The southern stock complex is listed as a threatened species under the ESA as part of the Southern Oregon / Northern California Coasts Coho ESU (May 6, 1997), and the northern components, Oregon Coast coho, are also listed as threatened. The OCN stocks have met their management objectives in recent years.
PFMC	Coho salmon - Puget Sound: Snohomish	The Pacific Fishery Management Council (PFMC) was notified by NMFS on 6/18/2018 that this stock is overfished and now requires a rebuilding plan. The PFMC has two years from this date to implement a rebuilding plan.
PFMC	Coho salmon - Washington Coast: Queets	The Pacific Fishery Management Council (PFMC) was notified by NMFS on 6/18/2018 that this stock is overfished and now requires a rebuilding plan. The PFMC has two years from this date to implement a rebuilding plan.
PFMC	Coho salmon - Washington Coast: Strait of Juan de Fuca	The Pacific Fishery Management Council (PFMC) was notified by NMFS on 6/18/2018 that this stock is overfished and now requires a rebuilding plan. The PFMC has two years from this date to implement a rebuilding plan.
PFMC	Pink salmon - Puget Sound	The PFMC manages these fisheries consistent with provisions of the Pacific Salmon Treaty. These stocks originate from either U.S. or Canadian waters and are managed as mixed stock fisheries.
PFMC / WPFMC	Pacific bluefin tuna - Pacific	The PFMC and WPFMC were first notified on April 8, 2013 that this stock is overfished. A domestic rebuilding plan per section 304(i) of the MSA. However, NMFS and the Councils maintain domestic regulations that address the impact of U.S. fishing vessels, and are working with the State Department to reduce fishing and rebuild this stock. Internationally, the Western and Central Pacific Fisheries Commission (WCPFC) and the Inter-American Tropical Tuna Commission (IATTC) manage this stock. The most recent stock assessment was completed in 2016, but did not incorporate data from years in which more stringent catch restrictions have been in place for both U.S. commercial and recreational fisheries as well as for foreign fisheries. The next stock assessment is expected to be completed in 2018 and include data from 2015 and 2016, when more stringent catch restrictions were in place.

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Table D. Endnotes for Non-FSSI Stocks

Jurisdiction	Stock	Endnotes
PFMC / WPFMC	Striped marlin - Western and Central North Pacific	NMFS first notified the PFMC and the WPFMC that the Western and Central North Pacific stock of striped marlin to be subject to overfishing and overfished on December 5, 2013. On June 1, 2016, NMFS determined the stock continues to be subject to overfishing and overfished. Internationally, the Western and Central Pacific Fisheries Commission (WCPFC) and the Inter-American Tropical Tuna Commission (IATTC) manage this stock. Under section 304(i) of the Magnuson-Stevens Act, a domestic rebuilding plan will not be developed for this stock because the overfishing and overfished status is due to excessive international fishing pressure and current international measures in place will not end overfishing or rebuild the stock. In lieu of a formal domestic rebuilding plan, NMFS will continue to work with the WPFMC and PFMC, and the State Department to determine if more effective management measures should be proposed to the WCPFC and IATTC for 2016 and beyond.
SAFMC	Black corals (Antipatharia) - Southern Atlantic Coast	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low. □
SAFMC	Fire corals (Milleporidae) - Southern Atlantic Coast	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
SAFMC	Hydrocorals (Stylasteridae) - Southern Atlantic Coast	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
SAFMC	Soft corals (Octocorallia) - Southern Atlantic Coast	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
SAFMC	Stony corals (Scleractinia) - Southern Atlantic Coast	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
SAFMC	Sargassum - Southern Atlantic Coast	On July 11, 2003, NMFS partially approved the FMP for this stock. Although one of the disapproved provisions included the MFMT, a component of the overfishing definition, an examination of the rate of harvest (currently zero), relative to the approved MSY level (100,000 mt), indicates that overfishing is not occurring. In addition, no directed fishery for this stock currently exists. This species has the capacity to increase its biomass through vegetative growth by as much as 10 percent per day, thus doubling its biomass every two weeks. Therefore, it is unlikely that this stock is overfished.
SAFMC	Nassau grouper - Southern Atlantic Coast / Gulf of Mexico	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
SAFMC	South Atlantic Deepwater Snapper-Grouper Complex	The Deepwater Snapper-Grouper Complex contains blackfin snapper, misty grouper, yellowedge grouper, Queen snapper, sand tilefish, and silk snapper.
SAFMC	South Atlantic Grunts Complex	The Grunts Complex contains margate, sailor's choice, tomtate, and white grunt.
SAFMC	South Atlantic Jacks Complex	The Jacks Complex contains Almaco jack, banded rudderfish, and lesser amberjack.
SAFMC	South Atlantic Porgy Complex	The Porgy Complex contains jolthead porgy, knobbed porgy, saucereye porgy, scup, and whitebone porgy.
SAFMC	South Atlantic Shallow Water Snapper-Grouper Complex	The Shallow Water Snapper-Grouper contains coney, graysby, red hind, rock hind, yellowfin grouper, and yellowmouth grouper.

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Table D. Endnotes for Non-FSSI Stocks

Jurisdiction	Stock	Endnotes
SAFMC	South Atlantic Snappers Complex	The Snappers Complex contains Cubera snapper, gray snapper, and lane snapper.
SAFMC / GMFMC	Goliath grouper - Southern Atlantic Coast / Gulf of Mexico	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is approaching zero.
WPFMC	180 Fathom Bank Precious Coral Complex	The 180 Fathom Bank Coral Complex contains: pink coral ( <i>Pleurocorallium secundum</i> ), red coral ( <i>Hemicorallium laauense</i> ), gold coral ( <i>Kulamanamana haumea</i> ), and bamboo coral ( <i>Acanella</i> sp.).
WPFMC	Au'Au Bed Black Coral Complex	The Au'au Bed Black Coral Complex contains <i>Antipathes grandis</i> , <i>Antipathes griggi</i> , and <i>Myriopathes ulex</i> .
WPFMC	Brooks Bank Precious Coral Complex	The Brooks Bank Precious Coral Complex contains: pink coral ( <i>Pleurocorallium secundum</i> ), red coral ( <i>Hemicorallium laauense</i> ), gold coral ( <i>Kulamanamana haumea</i> ), and bamboo coral ( <i>Acanella</i> sp.).
WPFMC	Hancock Seamount Groundfish Complex	This stock complex uses pelagic armorhead as the indicator species of a three-species seamount groundfish complex that includes rafffish and alfonsin. Overfishing and overfished status determination criteria were approved in 2003 for the seamount groundfish stock complex. Due to the data poor nature of this stock complex, the overfished status determination was made using a data-poor method prior to 2003 and there is currently not enough information to conduct a stock assessment using the criteria approved in 2003. This stock complex does not have a formal rebuilding plan or time period for rebuilding because it cannot be predicted when the stock will rebuild. The fishery in the U.S. EEZ has been closed under sequential 6-year moratoria since the inception of the FMP in 1986. Effective Dec 2010, fishing for bottomfish and seamount groundfish at the Hancock Seamounts is prohibited until the stock is rebuilt - these measures are considered as a de facto rebuilding plan.
WPFMC	Hawaiian Archipelago Exploratory Area Precious Coral Complex	The Hawaii Archipelago Exploratory Area Precious Coral Complex contains: pink coral ( <i>Pleurocorallium secundum</i> ), red coral ( <i>Hemicorallium laauense</i> ), gold coral ( <i>Kulamanamana haumea</i> ), and bamboo coral ( <i>Acanella</i> sp.).
WPFMC	Kaena Point Bed Precious Coral Complex	The Kaena Point Bed Coral Complex contains: pink coral ( <i>Pleurocorallium secundum</i> ), red coral ( <i>Hemicorallium laauense</i> ), gold coral ( <i>Kulamanamana haumea</i> ), and bamboo coral ( <i>Acanella</i> sp.).
WPFMC	Keahole Bed Precious Coral Complex	The Keahole Bed Precious Coral Complex contains: pink coral ( <i>Pleurocorallium secundum</i> ), red coral ( <i>Hemicorallium laauense</i> ), gold coral ( <i>Kulamanamana haumea</i> ), and bamboo coral ( <i>Acanella</i> sp.).
WPFMC	Makapu'u Bed Precious Corals Multi-species Complex	Makapu'u Bed Precious Corals Multi-species Complex contains: pink coral ( <i>Pleurocorallium secundum</i> ), red coral ( <i>Hemicorallium laauense</i> ), gold coral ( <i>Kulamanamana haumea</i> ), and bamboo coral ( <i>Acanella</i> sp.).
WPFMC	Northwestern Hawaiian Islands Bottomfish Multi-species Complex	This complex contains 8 species including one grouper: Hawaiian grouper and six snappers: crimson jobfish, flame snapper, green jobfish, oblique-banded snapper, lavender jobfish, ruby snapper, and rusty jobfish.
WPFMC	Northwestern Hawaiian Islands Crustacean Complex	The Northwestern Hawaiian Islands Crustacean Complex include: <i>Ranina ranina</i> (spanner crab), and <i>Heterocarpus</i> spp. (deepwater shrimp and nylon shrimp). Harvest quota for lobster is set at zero for the commercial lobster fishery in Northwest Hawaiian Islands Marine National Monument.
WPFMC	Pacific Other Tuna Relatives Complex	The management unit includes <i>Auxis</i> spp. (frigate mackerels), <i>Allothunnus</i> spp. (slender tunas), and <i>Scomber</i> spp. (mackerels).
WPFMC	Western Pacific Squid Complex	The Squid Complex contains <i>Ommastrephes bartamii</i> (neon flying squid), <i>Thysanoteuthis rhombus</i> (diamondback squid), and <i>Sthenoteuthis oualaniensis</i> (purple flying squid.)

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Table D. Endnotes for Non-FSSI Stocks

Jurisdiction	Stock	Endnotes
WPFMC	Pacific Island Remote Areas Coral Reef Ecosystem Multi-species Complex	The Pacific Island Remote Areas Coral Reef Ecosystem Multi-species Complex contains 54 "currently harvested coral reef taxa" and innumerable "potentially harvested coral reef taxa." The Pacific remote island areas (PRIA) are U.S. island possessions in the Pacific Ocean that include Palmyra Atoll, Kingman Reef, Jarvis Island, Baker Island, Howland Island, Johnston Atoll, Wake Island, and Midway Atoll. All reefs of the PRIA except Wake Island, which is under the jurisdiction of the Department of Defense, are National Wildlife Refuges. Fishing for coral reef-associated species is prohibited in all these areas except Palmyra Atoll, Johnston Atoll, Wake Island, and Midway Atoll.
WPFMC	Pacific Remote Island Areas Black Precious Coral Complex	The Pacific Remote Islands Areas Black Precious Coral Complex contains <i>Antipathes dichotoma</i> , <i>Antipathes grandis</i> and <i>Antipathes ulex</i> .
WPFMC	Pacific Remote Island Areas Bottomfish Complex	The Pacific Remote Island Areas Bottomfish Complex contains an assemblage of 12 species, including jacks, snappers, emperors and groupers.
WPFMC	Pacific Remote Island Areas Crustacean Complex	The Pacific Remote Island Areas Crustaceans include <i>Panulirus marginatus</i> (spiny lobster), <i>Panulirus penicillatus</i> (spiny lobster), Family Scyllaridae (slipper lobster), <i>Ranina ranina</i> (Kona crab), and <i>Heterocarpus</i> spp. (deepwater shrimp).
WPFMC	Pacific Remote Island Areas Exploratory Area Precious Coral Complex	The Pacific Remote Island Areas Exploratory Area Precious Coral Complex contains pink coral ( <i>Corallium</i> spp.), gold coral ( <i>Gerardia</i> spp. and <i>Narella</i> spp.) and bamboo coral ( <i>Acanella</i> spp., <i>Calyptropora</i> spp. and <i>Lepidis olapa</i> ).

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## Tables E-G. Other Stocks

Table E. Ecosystem Component Species

Jurisdiction	FMP	Species contained in Ecosystem Component Group
MAFMC	Atlantic Mackerel, Squid and Butterfish; Atlantic Surfclam and Ocean Quahog; Bluefish; Summer Flounder, Scup and Black Sea Bass; and Tilefish	Anchovies, Argentines, Greeneyes, Halfbeaks, Herrings and Sardines, Lanternfishes, Pearlsides, Sand lances, Silversides, Cusk-eels, Atlantic Saury, Pelagic Mollusks, Copepods, Krill, Amphipods, and other species under one inch as adults.
PFMC	Coastal Pelagic Species	Pacific herring and jacksmelt
PFMC	Pacific Coast Groundfish	Pacific grenadier
PFMC	U.S. West Coast Fisheries for Highly Migratory Species	Bigeye thresher and pelagic thresher
NPFMC	Fish Resources of the Arctic Management Area	Alaska plaice, Alaska lyre crab, Arctic staghorn sculpin, Bering flounder, blue king crab, Canadian eelpout, capelin, eelpouts, Greenland halibut, marbled eelpout, notched brittlestar, Pacific cod, Pacific herring, pricklebacks, red king crab, sculpins, snailfishes, Walleye pollock, warty sculpin, and yellowfin sole.
NPFMC	Scallop Fishery off Alaska	Bering scallop, giant rock scallop, reddish scallop, spiny scallop, and white scallop
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Squid Complex - Squid <i>Belonella borealis</i> , Squid <i>Berryteuthis anonychus</i> , Squid <i>Berryteuthis magister</i> , Squid <i>Chiroteuthis calyx</i> , Squid <i>Cranchia scabra</i> , Squid <i>Eogonatus tinro</i> , Squid <i>Galiteuthis phyllura</i> , Squid <i>Gonatopsis borealis</i> , Squid <i>Gonatopsis makko</i> , Squid <i>Gonatus berryi</i> , Squid <i>Gonatus kamtschaticus</i> , Squid <i>Gonatus madokai</i> , Squid <i>Gonatus onyx</i> , Squid <i>Gonatus pyros</i> , Squid <i>Histioteuthis hoylei</i> , Squid <i>Moroteuthis robusta</i> , and Squid <i>Rossia pacifica</i> .
NPFMC	Groundfish of the Gulf of Alaska	Squid Complex - Squid <i>Berryteuthis anonychus</i> , Squid <i>Berryteuthis magister</i> , Squid <i>Chiroteuthis calyx</i> , Squid <i>Cranchia scabra</i> , Squid <i>Eogonatus tinro</i> , Squid <i>Galiteuthis phyllura</i> , Squid <i>Gonatopsis makko</i> , Squid <i>Gonatus berryi</i> , Squid <i>Gonatus kamtschaticus</i> , Squid <i>Gonatus madokai</i> , Squid <i>Gonatus onyx</i> , Squid <i>Gonatus pyros</i> , Squid <i>Histioteuthis hoylei</i> , Squid <i>Loligo opalescens</i> , Squid <i>Moroteuthis robusta</i> , Squid <i>Octopoteuthis deletron</i> , and Squid <i>Onychoteuthis borealijaponicus</i>
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Bank sea bass, cottonwick, longspine porgy, ocean triggerfish, rock sea bass, schoolmaster
WPFMC	American Samoa Archipelago Ecosystem	Black Precious Coral Complex, Coral Reef Ecosystem Multi-species Complex, Exploratory Area Precious Coral Complex, deepwater shrimps ( <i>Heterocarpus</i> spp.), slipper lobsters ( <i>Scyllaridae</i> ), spanner crab, and spiny lobsters ( <i>Panulirus</i> spp.)
WPFMC	Hawaii Archipelago Ecosystem	Bigeye scad, Hawaiian Archipelago Coral Reef Ecosystem Multi-species Complex, mackerel scad, slipper lobsters ( <i>Scyllaridae</i> ), and spiny lobsters ( <i>Panulirus</i> spp.).
WPFMC	Mariana Archipelago Ecosystem	Deepwater shrimps ( <i>Heterocarpus</i> spp.) - Guam and NMI, Black Precious Coral Complex - Guam and NMI, Coral Reef Ecosystem Multi-species Complex - Guam and NMI, Exploratory Area Precious Coral Complex - Guam and NMI, pronghorn spiny lobster - Guam and NMI, slipper lobsters ( <i>Scyllaridae</i> ) - Guam and NMI, and spanner crab - Guam and NMI.

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**Table F. Data Collection Only Species**

Jurisdiction	FMP	Species contained in Data Collection Only Complex
CFMC	Corals and Reef Associated Plants and Invertebrates of Puerto Rico and the United States Virgin Islands	Invertebrates Data Collection Species Complex - fire corals, rose lace corals, encrusting gorgonian, deepwater sea fan, corky sea finger, <i>Carijoa riisei</i> , <i>Telesto</i> spp., sea whips, Venus sea fan, wide-mesh sea fan, common sea fan, sea plume, <i>P. albatrossae</i> , slimy sea plume, bipinnate plume, <i>P. rigida</i> , angular sea whip, yellow sea whip, warty sea rod, <i>E. clavigera</i> , doughnut sea rod, <i>E. knighti</i> , <i>E. laciniata</i> , <i>E. laxispica</i> , swollen-knob, shelf-knob sea rod, <i>E. touneforti</i> , <i>Muricea atlantica</i> , orange spiny rod, delicate spiny rod, spiny sea fan, long spine sea fan, <i>Muriceopsis</i> spp., rough sea plume, <i>M. sulphurea</i> , bent sea rod, black sea rod, slit-pore sea rod, <i>P. fusifera</i> , <i>P. grandiflora</i> , <i>P. grisea</i> , giant slit-pore, <i>Pseudoplexaura crucis</i> , <i>P. glagellosa</i> , porous sea rod, <i>P. wagneri</i> , staghorn coral, elkhorn coral, fused staghorn, lettuce leaf coral, fragile saucer, Lamarck's sheet, thin leaf lettuce, sunray lettuce, blushing star, flower coral, cup coral, tube coral, boulder coral, knobby brain coral, grooved brain, symmetrical brain, golfball coral, rose coral, Tortugas rose coral, boulder star coral, great star coral, smooth star coral, pillar coral, pancake star, elliptical star, maze coral, rough star coral, sinuous cactus, large flower coral, thin fungus coral, fat fungus coral, grooved fungus, fungus coral, artichoke coral, solitary disk, ivory bush coral, ten-ray star coral, yellow pencil, mustard hill coral, blue crust coral, small finger coral, finger coral, dwarf cup coral, hidden cup coral, lesser starlet, massive starlet, bushy black coral, and wire coral.
HMS	Consolidated Atlantic Highly Migratory Species	Atlantic Deepwater Shark Data Collection Species Complex - Arrowhead dogfish, Bahamas sawshark, blotched catshark, bramble shark, broadband lanternshark, broadgill catshark, Caribbean lanternshark, chain dogfish, cookiecutter shark, Cuban dogfish, deepwater catshark, dwarf catshark, fringe-fin lanternshark, great lanternshark, green lanternshark, Greenland shark, gulper shark, Iceland catshark, kitefin shark, largetooth cookiecutter shark, lined lanternshark, little gulper shark, marbled catshark, needle dogfish, Portuguese shark, pygmy shark, roughskin dogfish, shortspine dogfish, smallfin catshark, smallmouth velvet dogfish, and smooth lanternshark.

**Table G. Stocks managed under an International Agreement**

Jurisdiction	FMP	Stock
IPHC	Species Managed Under International Agreement - International Pacific Halibut Commission	Pacific halibut - Pacific Coast / Alaska Overfishing - Unknown Not Overfished