National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
CFMC	Queen Conch Resources of Puerto Rico and the United States Virgin Islands	Queen conch - Caribbean	No	Yes	NA	Continue Rebuilding	Year 8 of 15-year plan	<<1	2
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Grouper Unit 1 *	No	Yes	NA	Continue Rebuilding	Year 8 of 25-year plan	<<1	2
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Grouper Unit 2 *	No	Yes	NA	Continue Rebuilding	Year 8 of 30-year plan	<<1	2
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Grouper Unit 4 *	No	Yes	NA	Continue Rebuilding	Year 8 of 10-year plan	0.75 (default estimate)	2
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Snapper Unit 1 *	No	No	Yes	NA	N/A	0.75 (default estimate)	3
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Snapper Unit 3 *	No	Unknown	Unknown	NA	N/A	not estimated	1.5
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Snapper Unit 4 *	No	Unknown	Unknown	NA	N/A	not estimated	1.5
CFMC	Spiny Lobster Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean spiny lobster - Caribbean	No	Unknown	Unknown	NA	N/A	not estimated	1.5
GMFMC	Red Drum Fishery of the Gulf of Mexico	Red drum - Gulf of Mexico	No	Unknown	Unknown	NA	N/A	not estimated	1.5
GMFMC	Reef Fish Resources of the Gulf of Mexico	Black grouper - Gulf of Mexico *	No	No	No	NA	N/A	1.40	4
GMFMC	Reef Fish Resources of the Gulf of Mexico	Gag - Gulf of Mexico	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 1 of 10-year plan	0.40	1
GMFMC	Reef Fish Resources of the Gulf of Mexico	Gray triggerfish - Gulf of Mexico	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 5 of 6-year plan	0.04	1

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
GMFMC	Reef Fish Resources of the Gulf of Mexico	Greater amberjack - Gulf of Mexico	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 10 of 10-year plan	0.31	1
GMFMC	Reef Fish Resources of the Gulf of Mexico	Hogfish - Gulf of Mexico	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
GMFMC	Reef Fish Resources of the Gulf of Mexico	Red grouper - Gulf of Mexico	No	No	No	NA	N/A	0.86	4
GMFMC	Reef Fish Resources of the Gulf of Mexico	Red snapper - Gulf of Mexico	No	Yes	NA	Continue Rebuilding	Year 12 of 32-year plan	0.18	2
GMFMC	Reef Fish Resources of the Gulf of Mexico	Snowy grouper - Gulf of Mexico	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
GMFMC	Reef Fish Resources of the Gulf of Mexico	Vermilion snapper - Gulf of Mexico	No	No	No	NA	N/A	0.92	4
GMFMC	Reef Fish Resources of the Gulf of Mexico	Yellowedge grouper - Gulf of Mexico *	No	No	No	NA	N/A	1.11	4
GMFMC	Shrimp Fishery of the Gulf of Mexico	Brown shrimp - Gulf of Mexico *	No	No	No	NA	N/A	4.91	4
GMFMC	Shrimp Fishery of the Gulf of Mexico	Pink shrimp - Gulf of Mexico	No	No	No	NA	N/A	0.78	3
GMFMC	Shrimp Fishery of the Gulf of Mexico	Royal red shrimp - Gulf of Mexico	No	Unknown	Unknown	NA	N/A	not estimated	1.5
GMFMC	Shrimp Fishery of the Gulf of Mexico	White shrimp - Gulf of Mexico	No	No	No	NA	N/A	6.54	4
GMFMC	Stone Crab Fishery of the Gulf of Mexico	Stone crabs (Menippe spp.) - Gulf of Mexico *	No	Unknown	Unknown	NA	N/A	not estimated	1.5
HMS	Consolidated Atlantic Highly Migratory Species	Albacore - North Atlantic	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 7 of plan	0.62	1
HMS	Consolidated Atlantic Highly Migratory Species	Atlantic Large Coastal Shark Complex *	Unknown	Unknown	Unknown	NA	N/A	1.35	0
HMS	Consolidated Atlantic Highly Migratory Species	Atlantic sharpnose shark - Atlantic *	No	No	No	NA	N/A	1.35	4
HMS	Consolidated Atlantic Highly Migratory Species	Atlantic Small Coastal Shark Complex *	No	No	No	NA	N/A	1.69	4

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
HMS	Consolidated Atlantic Highly Migratory Species	Bigeye tuna - Atlantic *	No	No - Rebuilding	No	Continue Rebuilding	Year 14 of plan	1.01	3
HMS	Consolidated Atlantic Highly Migratory Species	Blacknose shark - Atlantic *	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 3 of 18-year plan	0.43-0.64	1
HMS	Consolidated Atlantic Highly Migratory Species	Blacktip shark - Gulf of Mexico *	No	No	No	NA	N/A	2.56	4
HMS	Consolidated Atlantic Highly Migratory Species	Blacktip shark - South Atlantic *	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
HMS	Consolidated Atlantic Highly Migratory Species	Blue marlin - Atlantic *	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 12 of plan	0.67	1
HMS	Consolidated Atlantic Highly Migratory Species	Blue shark - Atlantic *	No	No	No	NA	N/A	1.87-2.74	4
HMS	Consolidated Atlantic Highly Migratory Species	Bluefin tuna - Western Atlantic	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 14 of 20-year plan	1.1 (0.89-1.35-LRS) 0.15 (0.10-0.22-HRS)	1
HMS	Consolidated Atlantic Highly Migratory Species	Bonnethead - Atlantic *	No	No	No	NA	N/A	0.83	4
HMS	Consolidated Atlantic Highly Migratory Species	Dusky shark - Atlantic *	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 5 of 100-year plan	0.41-0.50	1
HMS	Consolidated Atlantic Highly Migratory Species	Finetooth shark - Atlantic *	No	No	No	NA	N/A	1.80	4
HMS	Consolidated Atlantic Highly Migratory Species	Porbeagle - Atlantic *	No	Yes	NA	Continue Rebuilding	Year 5 of 100-year plan	0.15-0.32	2
HMS	Consolidated Atlantic Highly Migratory Species	Sailfish - Western Atlantic *	Yes	No - Rebuilding	No	Reduce Mortality, Continue Rebuilding	Year 14 of plan	> 75%Bmsy	2
HMS	Consolidated Atlantic Highly Migratory Species	Sandbar shark - Atlantic *	No	Yes	NA	Continue Rebuilding	Year 5 of 66-year plan	0.51-0.72	2

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
HMS	Consolidated Atlantic Highly Migratory Species	Shortfin mako - Atlantic *	No	No	No	NA	N/A	1.15-2.04	4
HMS	Consolidated Atlantic Highly Migratory Species	Swordfish - North Atlantic	No	No	No	NA	N/A	1.05	4
HMS	Consolidated Atlantic Highly Migratory Species	White marlin - Atlantic *	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 12 of plan	not estimated	1
HMS	Consolidated Atlantic Highly Migratory Species	Yellowfin tuna - Western Atlantic	No	No	Yes	NA	N/A	0.96	4
MAFMC	Atlantic Mackerel, Squid and Butterfish	Atlantic mackerel - Gulf of Maine / Cape Hatteras *	No	No	No	NA	N/A	3.57	4
MAFMC	Atlantic Mackerel, Squid and Butterfish	Butterfish - Gulf of Maine / Cape Hatteras *	No	Unknown	Unknown	Continue Rebuilding	Year 3 of 4-year plan	not estimated	1.5
MAFMC	Atlantic Mackerel, Squid and Butterfish	Longfin inshore squid - Georges Bank / Cape Hatteras *	Unknown	No	No	NA	N/A	1.28	2.5
MAFMC	Atlantic Mackerel, Squid and Butterfish	Northern shortfin squid - Northwestern Atlantic Coast *	No	Unknown	Unknown	NA	N/A	not estimated	1.5
MAFMC	Atlantic Surfclam and Ocean Quahog	Atlantic surfclam - Mid-Atlantic Coast	No	No	No	NA	N/A	1.62	4
MAFMC	Atlantic Surfclam and Ocean Quahog	Ocean quahog - Atlantic Coast	No	No	No	NA	N/A	1.62	4
MAFMC	Bluefish	Bluefish - Atlantic Coast	No	No	No	NA	N/A	0.90	4
MAFMC	Summer Flounder, Scup and Black Sea Bass	Black sea bass - Mid-Atlantic Coast	No	No	No	NA	N/A	1.02	4
MAFMC	Summer Flounder, Scup and Black Sea Bass	Scup - Atlantic Coast	No	No	No	NA	N/A	2.07	4
MAFMC	Summer Flounder, Scup and Black Sea Bass	Summer flounder - Mid-Atlantic Coast	No	No	No	NA	Year 13 of 13-year plan	0.95	4
MAFMC	Tilefish	Tilefish - Mid-Atlantic Coast *	No	No - Rebuilding	No	Continue Rebuilding	Year 12 of 10-year plan	1.05	3
NEFMC	Atlantic Herring	Atlantic herring - Northwestern Atlantic Coast *	No	No	No	NA	N/A	3.30	4

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
NEFMC	Atlantic Sea Scallop	Sea scallop - Northwestern Atlantic Coast	No	No	No	NA	N/A	1.04	4
NEFMC	Deep-Sea Red Crab	Red deepsea crab - Northwestern Atlantic *	No	Unknown	Unknown	NA	N/A	not estimated	1.5
NEFMC	Northeast Multispecies	Acadian redfish - Gulf of Maine / Georges Bank *	No	No	No	NA	N/A	1.32	4
NEFMC	Northeast Multispecies	American plaice - Gulf of Maine / Georges Bank *	No	No - Rebuilding	No	Continue Rebuilding	Year 9 of 10-year plan	0.59	3
NEFMC	Northeast Multispecies	Atlantic cod - Georges Bank *	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 9 of 22-year plan	0.08	1
NEFMC	Northeast Multispecies	Atlantic cod - Gulf of Maine *	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 9 of 10-year plan	0.19	1
NEFMC	Northeast Multispecies	Atlantic halibut - Northwestern Atlantic Coast *	No	Yes	NA	Continue Rebuilding	Year 9 of 52-year plan	0.03	2
NEFMC	Northeast Multispecies	Haddock - Georges Bank *	No	No	No	NA	N/A	1.34	4
NEFMC	Northeast Multispecies	Haddock - Gulf of Maine *	Yes	No	Yes	Reduce Mortality	N/A	0.59	3
NEFMC	Northeast Multispecies	Ocean pout - Northwestern Atlantic Coast *	No	Yes	NA	Continue Rebuilding	Year 9 of 10-year plan	0.08	2
NEFMC	Northeast Multispecies	Offshore hake - Northwestern Atlantic Coast *	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
NEFMC	Northeast Multispecies	Pollock - Gulf of Maine / Georges Bank	No	No	No	NA	N/A	2.15	4
NEFMC	Northeast Multispecies	Red hake - Gulf of Maine / Northern Georges Bank	No	No	No	NA	N/A	1.94	4
NEFMC	Northeast Multispecies	Red hake - Southern Georges Bank / Mid-Atlantic	Unknown	No	Unknown	NA	N/A	0.93	2.5

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
NEFMC	Northeast Multispecies	Silver hake - Gulf of Maine / Northern Georges Bank	No	No	No	NA	N/A	1.02	4
NEFMC	Northeast Multispecies	Silver hake - Southern Georges Bank / Mid-Atlantic	No	No	No	NA	N/A	0.78	3
NEFMC	Northeast Multispecies	White hake - Gulf of Maine / Georges Bank	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 9 of 10-year plan	0.35	1
NEFMC	Northeast Multispecies	Windowpane - Gulf of Maine / Georges Bank *	Yes	Yes	No	Reduce Mortality, Continue Rebuilding	Year 3 of 7-year plan	0.29	1
NEFMC	Northeast Multispecies	Windowpane - Southern New England / Mid-Atlantic *	No	No	No	NA	N/A	1.46	4
NEFMC	Northeast Multispecies	Winter flounder - Georges Bank	No	No - Rebuilding	No	Continue Rebuilding	Year 3 of 7-year plan	0.82	3
NEFMC	Northeast Multispecies	Winter flounder - Gulf of Maine	No	Unknown	Unknown	NA	N/A	0.29	1.5
NEFMC	Northeast Multispecies	Winter flounder - Southern New England / Mid-Atlantic	No	Yes	NA	Continue Rebuilding	Year 9 of 10-year plan	0.16	2
NEFMC	Northeast Multispecies	Witch flounder - Northwestern Atlantic Coast *	Yes	Yes	No	Reduce Mortality, Continue Rebuilding	Year 3 of 7-year plan	0.41	1
NEFMC	Northeast Multispecies	Yellowtail flounder - Cape Cod / Gulf of Maine *	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 9 of 19-year plan	0.24	1
NEFMC	Northeast Multispecies	Yellowtail flounder - Georges Bank *	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 7 of 26-year plan	0.11	1

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
NEFMC	Northeast Multispecies	Yellowtail flounder - Southern New England / Mid-Atlantic *	No	No	No	NA	N/A	1.29	4
NEFMC	Northeast Skate Complex	Barndoor skate - Georges Bank / Southern New England *	No	No - Rebuilding	No	Continue Rebuilding	Year 10 of plan	0.69	3
NEFMC	Northeast Skate Complex	Clearnose skate - Southern New England / Mid-Atlantic	No	No	No	NA	N/A	1.46	4
NEFMC	Northeast Skate Complex	Little skate - Georges Bank / Southern New England	No	No	No	NA	N/A	1.36	4
NEFMC	Northeast Skate Complex	Rosette skate - Southern New England / Mid-Atlantic	No	No	No	NA	N/A	0.88	4
NEFMC	Northeast Skate Complex	Smooth skate - Gulf of Maine	No	No - Rebuilding	No	Continue Rebuilding	Year 3 of 10-year plan	0.85	3
NEFMC	Northeast Skate Complex	Thorny skate - Gulf of Maine	No	Yes	NA	Continue Rebuilding	Year 10 of 25-year plan	0.06	2
NEFMC	Northeast Skate Complex	Winter skate - Georges Bank / Southern New England	No	No	No	NA	N/A	1.55	4
NEFMC / MAFMC	Monkfish	Goosefish - Gulf of Maine / Northern Georges Bank	No	No	No	NA	N/A	1.29	4
NEFMC / MAFMC	Monkfish	Goosefish - Southern Georges Bank / Mid-Atlantic	No	No	No	NA	N/A	1.11	4
NEFMC / MAFMC	Spiny Dogfish	Spiny dogfish - Atlantic Coast	No	No	No	NA	N/A	1.03	4
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Blue king crab - Pribilof Islands *	No	Yes	NA	Continue Rebuilding	Year 9 of 10-year plan	0.13	2
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Blue king crab - Saint Matthews Island *	No	No	No	NA	N/A	1.58	4
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Golden king crab - Aleutian Islands	No	Unknown	Unknown	NA	N/A	not estimated	1.5
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Red king crab - Bristol Bay	No	No	No	NA	N/A	0.96	4

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Red king crab - Norton Sound	No	No	No	NA	N/A	1.21	4
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Red king crab - Pribilof Islands *	No	No	Unknown	NA	N/A	0.64	3
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Red king crab - Western Aleutian Islands	No	Unknown	Unknown	NA	N/A	not estimated	1.5
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Snow crab - Bering Sea	No	No	No	NA	N/A	0.95	4
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Southern Tanner crab - Bering Sea	No	Rebuilt	No	NA	N/A	1.28	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Alaska plaice - Bering Sea / Aleutian Islands	No	No	No	NA	N/A	1.94	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Arrowtooth flounder - Bering Sea / Aleutian Islands	No	No	No	NA	N/A	3.16	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Atka mackerel - Bering Sea / Aleutian Islands	No	No	No	NA	N/A	1.16	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	N/A	0.71	3
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Flathead Sole Complex *	No	No	No	NA	N/A	2.17	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Rock Sole Complex *	No	No	No	NA	N/A	2.06	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Greenland halibut - Bering Sea / Aleutian Islands	No	No	No	NA	N/A	0.60	3
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Northern rockfish - Bering Sea / Aleutian Islands	No	No	No	NA	N/A	1.68	4

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Pacific cod - Bering Sea / Aleutian Islands	No	No	No	NA	N/A	1.18	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Pacific ocean perch - Bering Sea / Aleutian Islands	No	No	No	NA	N/A	1.77	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Walleye pollock - Aleutian Islands	No	No	No	NA	N/A	0.96	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Walleye pollock - Eastern Bering Sea	No	No	No	NA	N/A	1.08	4
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Yellowfin sole - Bering Sea / Aleutian Islands	No	No	No	NA	N/A	1.53	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	N/A	1.06	4
NPFMC	Groundfish of the Gulf of Alaska	Arrowtooth flounder - Gulf of Alaska	No	No	No	NA	N/A	2.99	4
NPFMC	Groundfish of the Gulf of Alaska	Dusky rockfish - Gulf of Alaska	No	No	No	NA	N/A	1.57	4
NPFMC	Groundfish of the Gulf of Alaska	Flathead sole - Gulf of Alaska	No	No	No	NA	N/A	2.87	4
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Blackspotted and Rougheye Rockfish Complex *	No	No	No	NA	N/A	1.48	4
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Deepwater Flatfish Complex *	No	Unknown	Unknown	NA	N/A	not estimated	1.5
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Demersal Shelf Rockfish Complex *	No	Unknown	Unknown	NA	N/A	not estimated	1.5
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Thornyhead Rockfish Complex *	No	Unknown	Unknown	NA	N/A	not estimated	1.5

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
NPFMC	Groundfish of the Gulf of Alaska	Northern rockfish - Western / Central Gulf of Alaska	No	No	No	NA	N/A	1.70	4
NPFMC	Groundfish of the Gulf of Alaska	Pacific cod - Gulf of Alaska	No	No	No	NA	N/A	1.51	4
NPFMC	Groundfish of the Gulf of Alaska	Pacific ocean perch - Gulf of Alaska	No	No	No	NA	N/A	1.31	4
NPFMC	Groundfish of the Gulf of Alaska	Rex sole - Gulf of Alaska	No	No	No	NA	N/A	2.74	4
NPFMC	Groundfish of the Gulf of Alaska	Walleye pollock - Western / Central Gulf of Alaska	No	No	No	NA	N/A	0.99	4
PFMC	Coastal Pelagic Species	Jack mackerel - Pacific Coast	No	Unknown	Unknown	NA	N/A	not estimated	1.5
PFMC	Coastal Pelagic Species	Northern anchovy - Northern Pacific Coast	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
PFMC	Coastal Pelagic Species	Northern anchovy - Southern Pacific Coast	No	Unknown	Unknown	NA	N/A	not estimated	1.5
PFMC	Coastal Pelagic Species	Opalescent inshore squid - Pacific Coast	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
PFMC	Coastal Pelagic Species	Pacific chub mackerel - Pacific Coast	No	No	No	NA	N/A	5.11	4
PFMC	Coastal Pelagic Species	Pacific sardine - Pacific Coast	No	No	No	NA	N/A	0.34	4
PFMC	Pacific Coast Groundfish	Arrowtooth flounder - Pacific Coast	No	No	No	NA	N/A	1.97	4
PFMC	Pacific Coast Groundfish	Bank rockfish - California	Unknown	No	No	NA	N/A	not estimated	1.5
PFMC	Pacific Coast Groundfish	Black rockfish - Northern Pacific Coast	No	No	No	NA	N/A	1.38	4
PFMC	Pacific Coast Groundfish	Blackgill rockfish - Southern California	Unknown	No	No	NA	N/A	0.76	1.5
PFMC	Pacific Coast Groundfish	Blue rockfish - California	Unknown	No	No	NA	N/A	0.75	1.5
PFMC	Pacific Coast Groundfish	Bocaccio - Southern Pacific Coast	No	No - Rebuilding	No	Continue Rebuilding	Year 13 of 22-year plan	0.65	3
PFMC	Pacific Coast Groundfish	Brown rockfish - Pacific Coast	Unknown	Unknown	Unknown	NA	N/A	not estimated	0

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
PFMC	Pacific Coast Groundfish	Cabezon - California	No	No	No	NA	N/A	1.17	4
PFMC	Pacific Coast Groundfish	California scorpionfish - Southern California	No	No	Unknown	NA	N/A	1.99	4
PFMC	Pacific Coast Groundfish	Canary rockfish - Pacific Coast	No	Yes	NA	Continue Rebuilding	Year 12 of 26-year plan	0.58	2
PFMC	Pacific Coast Groundfish	Chilipepper - Southern Pacific Coast	No	No	No	NA	N/A	1.78	4
PFMC	Pacific Coast Groundfish	Cowcod - Southern California	No	Yes	NA	Continue Rebuilding	Year 12 of 67-year plan	0.11	2
PFMC	Pacific Coast Groundfish	Darkblotched rockfish - Pacific Coast	No	No - Rebuilding	No	Continue Rebuilding	Year 11 of 23-year plan	0.76	3
PFMC	Pacific Coast Groundfish	Dover sole - Pacific Coast	No	No	No	NA	N/A	3.35	4
PFMC	Pacific Coast Groundfish	English sole - Pacific Coast	No	No	No	NA	N/A	2.91	4
PFMC	Pacific Coast Groundfish	Gopher rockfish - Northern California	Unknown	No	Unknown	NA	N/A	2.42	2.5
PFMC	Pacific Coast Groundfish	Kelp greenling - Oregon	Unknown	No	Unknown	NA	N/A	1.22	2.5
PFMC	Pacific Coast Groundfish	Lingcod - Pacific Coast	No	No	No	NA	N/A	1.68	4
PFMC	Pacific Coast Groundfish	Longnose skate - Pacific Coast	No	No	No	NA	N/A	1.65	4
PFMC	Pacific Coast Groundfish	Longspine thornyhead - Pacific Coast	No	No	No	NA	N/A	1.78	4
PFMC	Pacific Coast Groundfish	Pacific cod - Pacific Coast	No	Unknown	Unknown	NA	N/A	not estimated	1.5
PFMC	Pacific Coast Groundfish	Pacific grenadier - Pacific Coast	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
PFMC	Pacific Coast Groundfish	Pacific hake - Pacific Coast	No	No	No	NA	N/A	0.82	4
PFMC	Pacific Coast Groundfish	Pacific ocean perch - Pacific Coast	No	Yes	No	Continue Rebuilding	Year 13 of 20-year plan	0.48	2
PFMC	Pacific Coast Groundfish	Pacific sanddab - Pacific Coast	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
PFMC	Pacific Coast Groundfish	Petrale sole - Pacific Coast	No	No - Rebuilding	NA	Rebuilding Program	Year 1 of 4-year plan	0.72	3
PFMC	Pacific Coast Groundfish	Rex sole - Pacific Coast	Unknown	Unknown	Unknown	NA	N/A	not estimated	0

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
PFMC	Pacific Coast Groundfish	Rougheye rockfish - Pacific Coast	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
PFMC	Pacific Coast Groundfish	Sablefish - Pacific Coast	No	No	No	NA	N/A	0.84	4
PFMC	Pacific Coast Groundfish	Sand sole - Pacific Coast	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
PFMC	Pacific Coast Groundfish	Shortbelly rockfish - Pacific Coast	No	No	No	NA	N/A	1.67	4
PFMC	Pacific Coast Groundfish	Shortspine thornyhead - Pacific Coast	No	No	No	NA	N/A	1.57	4
PFMC	Pacific Coast Groundfish	Spiny dogfish - Pacific Coast	Unknown	No	No	NA	N/A	1.58	2.5
PFMC	Pacific Coast Groundfish	Splitnose rockfish - Pacific Coast	No	No	No	NA	N/A	1.64	4
PFMC	Pacific Coast Groundfish	Starry flounder - Pacific Coast	No	No	Unknown	NA	N/A	1.25	4
PFMC	Pacific Coast Groundfish	Vermilion rockfish - California	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
PFMC	Pacific Coast Groundfish	Widow rockfish - Pacific Coast	No	No	No	NA	N/A	1.28	4
PFMC	Pacific Coast Groundfish	Yelloweye rockfish - Pacific Coast	No	Yes	NA	Continue Rebuilding	Year 10 of 71-year plan	0.53	2
PFMC	Pacific Coast Groundfish	Yellowtail rockfish - Northern Pacific Coast	No	No	No	NA	N/A	1.36	4
PFMC	U.S. West Coast Fisheries for Highly Migratory Species	Skipjack tuna - Eastern Tropical Pacific *	No	No	No	NA	N/A	>1	4
PFMC	U.S. West Coast Fisheries for Highly Migratory Species	Striped marlin - Eastern Tropical Pacific *	No	No	No	NA	N/A	>1	4
PFMC	U.S. West Coast Fisheries for Highly Migratory Species	Yellowfin tuna - Eastern Tropical Pacific	No	No	No	NA	N/A	0.96	4
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	N/A	not estimated	3

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Bigeye tuna - Pacific	Yes	No	No	Reduce Mortality	N/A	1.04 - ETP stock 1.25 - CWP stock	3
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Blue shark - Pacific	No	No	Unknown	NA	N/A	1.08	4
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	N/A	not estimated	0
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	No	No	Reduce Mortality	N/A	0.88	3
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Swordfish - North Pacific *	No	No	No	NA	N/A	1.31 - CWP stock 2.44 - ETP stock	4
SAFMC	Dolphin and Wahoo Fishery of the Atlantic	Dolphinfish - Southern Atlantic Coast	No	No	No	NA	N/A	1.56	4
SAFMC	Shrimp Fishery of the South Atlantic Region	Brown rock shrimp - Southern Atlantic Coast *	No	Unknown	No	NA	N/A	not estimated	1.5
SAFMC	Shrimp Fishery of the South Atlantic Region	Brown shrimp - Southern Atlantic Coast	No	No	No	NA	N/A	10.81	4
SAFMC	Shrimp Fishery of the South Atlantic Region	Pink shrimp - Southern Atlantic Coast	No	Rebuilt	No	NA	N/A	1.06	4
SAFMC	Shrimp Fishery of the South Atlantic Region	White shrimp - Southern Atlantic Coast	No	No	No	NA	N/A	5.12	4
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Black grouper - Southern Atlantic Coast *	No	No	No	NA	N/A	1.40	4

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Black sea bass - Southern Atlantic Coast	Yes	No - Rebuilding	No	Reduce Mortality, Continue Rebuilding	Year 7 of 10-year plan	0.70	2
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Gag - Southern Atlantic Coast	Yes	No	Yes	Reduce Mortality	N/A	0.94	3
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Gray triggerfish - Southern Atlantic Coast	No	Unknown	Unknown	NA	N/A	not estimated	1.5
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Greater amberjack - Southern Atlantic Coast	No	No	No	NA	N/A	1.10	4
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Hogfish - Southern Atlantic Coast	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Nassau grouper - Southern Atlantic Coast / Gulf of Mexico *	No	Unknown	Unknown	NA	N/A	not estimated	1.5
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Red grouper - Southern Atlantic Coast	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 1 of 10-year plan	0.79	1
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Red porgy - Southern Atlantic Coast	No	Yes	No	Continue Rebuilding	Year 13 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 2 of 35-year plan	0.13	1
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Scamp - Southern Atlantic Coast	No	Unknown	Unknown	NA	N/A	not estimated	1.5
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Snowy grouper - Southern Atlantic Coast	Yes	Yes	NA	Reduce Mortality, Continue Rebuilding	Year 7 of 34-year plan	0.18	1
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Speckled hind - Southern Atlantic Coast	Yes	Unknown	Unknown	Reduce Mortality	N/A	not estimated	0.5
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Tilefish - Southern Atlantic Coast	No	No	No	NA	N/A	2.17	4
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Vermilion snapper - Southern Atlantic Coast	No	No	No	NA	N/A	1.32	4

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Warsaw grouper - Southern Atlantic Coast	Yes	Unknown	Unknown	Reduce Mortality	N/A	not estimated	0.5
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	White grunt - Southern Atlantic Coast	No	Unknown	Unknown	NA	N/A	not estimated	1.5
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Wreckfish - Southern Atlantic Coast *	No	Unknown	Unknown	NA	N/A	not estimated	1.5
SAFMC / GMFMC	Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	Cobia - Gulf of Mexico	No	No	No	NA	N/A	1.33	4
SAFMC / GMFMC	Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	King mackerel - Gulf of Mexico	No	No	No	NA	N/A	1.24	4
SAFMC / GMFMC	Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	King mackerel - Southern Atlantic Coast	No	No	No	NA	N/A	1.12	4
SAFMC / GMFMC	Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	Little tunny - Gulf of Mexico *	No	Unknown	Unknown	NA	N/A	not estimated	1.5
SAFMC / GMFMC	Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	Spanish mackerel - Gulf of Mexico	No	No	No	NA	N/A	1.34	4
SAFMC / GMFMC	Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	Spanish mackerel - Southern Atlantic Coast *	No	No	No	NA	N/A	1.78	4
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	N/A	not estimated	1.5
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	N/A	2.70	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	N/A	not estimated	1.5

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
WPFMC	American Samoa Archipelago Ecosystem	American Samoa Bottomfish Multi-species Complex *	No	No	No	NA	N/A	1.75	4
WPFMC	Hawaii Archipelago Ecosystem	Bigeye scad - Hawaiian Archipelago	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
WPFMC	Hawaii Archipelago Ecosystem	Hancock Seamount Groundfish Complex *	Unknown	Yes	NA	Continue Rebuilding	Year 27 of plan	not estimated	0.5
WPFMC	Hawaii Archipelago Ecosystem	Hawaiian Archipelago Coral Reef Ecosystem Multi-species Complex *	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
WPFMC	Hawaii Archipelago Ecosystem	Mackerel scad - Hawaiian Archipelago	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
WPFMC	Hawaii Archipelago Ecosystem	Main Hawaiian Islands Deep 7 Bottomfish Multi-species Complex *	No	No	No	NA	N/A	0.95	4
WPFMC	Mariana Archipelago Ecosystem	Guam Bottomfish Multi-species Complex *	No	No	No	NA	N/A	1.56	4
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Albacore - South Pacific	No	No	No	NA	N/A	1.26	4
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Indo-Pacific blue marlin - Pacific	No	No	No	NA	N/A	1.40	4
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Kawakawa - Tropical Pacific	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Opah - Pacific	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Shortbill spearfish - Pacific	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Skipjack tuna - Central Western Pacific *	No	No	No	NA	N/A	2.68	4

National Marine Fisheries Service - 4th Quarter 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 Condition?	Management Action Required	Rebuilding Program Progress	B/Bmsy or B/Bmsy proxy	Official FSSI Score
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Striped marlin - Central Western Pacific *	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Wahoo - Pacific	Unknown	Unknown	Unknown	NA	N/A	not estimated	0
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Yellowfin tuna - Central Western Pacific *	No	No	No	NA	N/A	1.33	4

616

Table B. FSSI Endnotes

Jurisdiction	Stock	Footnote
CFMC	Caribbean Grouper Unit 1	Caribbean Grouper Unit 1 is part of the Caribbean Reef Fish FMU and is composed of Nassau grouper. The fishery in the EEZ is closed. The fishery is now closed in the territorial waters of the USVI and Puerto Rico, therefore fishing mortality is very low.
CFMC	Caribbean Grouper Unit 2	Caribbean Grouper Unit 2 is part of the Caribbean Reef Fish FMU and is composed of Goliath grouper. Fishery in the EEZ and territorial waters of the USVI is closed; therefore, fishing mortality is very low.
CFMC	Caribbean Grouper Unit 4	Caribbean Grouper Unit 4 is part of the Caribbean Reef Fish FMU and is composed of black, red, tiger, and yellowfin grouper.
CFMC	Caribbean Snapper Unit 1	This stock complex consists of silk, black, vermilion, and blackfin snapper; and wenchman.
CFMC	Caribbean Snapper Unit 3	Caribbean Snapper Unit 3 is part of the Caribbean Reef Fish FMU and is composed of gray, lane, mutton, dog, schoolmaster, and mahogany snapper; at present, there are more data for mutton snapper than for the other species contained in this unit, but no indicator species has been identified.
CFMC	Caribbean Snapper Unit 4	Caribbean Snapper Unit 4 is part of the Caribbean Reef Fish FMU and is composed of yellowtail snapper.
GMFMC	Black grouper - Gulf of Mexico	Black grouper is now managed as a single Gulf of Mexico/South Atlantic stock under both the Snapper-Grouper and Reef Fish of the Gulf of Mexico FMPs. Beginning in FY13, it will no longer be listed as 2 separate stocks, but as a single stock.
GMFMC	Yellowedge grouper - Gulf of Mexico	The overfished status of this stock is based on the best scientific information available, as determined in the most recent stock assessment (August 2011). Currently, the criteria for determining the overfished status are not defined in the fishery management plan, but will be adopted and implemented in the FMP under the recomendation of the Scientific and Statistical Committee (SSC).
GMFMC	Brown shrimp - Gulf of Mexico	Overfishing determination is pre-SFA.
GMFMC	Stone crabs (Menippe spp.) - Gulf of Mexico	Effective November 11, 2011, stone crabs are no longer managed under a federal fishery management plan. The stone crab fishery takes place primarily in state waters off the coast of Florida, and the Florida Fish and Wildlife Conservation Commission (FWC) is extending its management of the fishery into Federal waters. The status of this stock will continue to be reported until it is officially removed from the FSSI stock list in FY13.
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. In addition, several LCS species cannot be retained in commercial or recreational fisheries, including Bignose Shark, Galapagos Shark, Night Shark, Caribbean Reef Shark, Narrowtooth Shark, Sand Tiger Shark, Bigeye Sand Tiger Shark, Whale Shark, Basking Shark, White Shark.
HMS	Atlantic Small Coastal Shark Complex	In addition to Finetooth Shark, Atlantic Sharpnose Shark, Blacknose Shark, and Bonnethead Shark (which are assessed individually), the Small Coastal Shark Complex also consists of: Atlantic Angel Shark, Caribbean Sharpnose Shark, and Smalltail Shark; these 3 species cannot be retained in recreational or commercial fisheries.
HMS	Atlantic sharpnose shark - Atlantic	This stock is part of the Small Coastal Shark Complex, but is assessed separately.
HMS	Bigeye tuna - Atlantic	The 2010 stock assessment estimated the range of B/Bmsy=0.72-1.34, while the median estimate was 1.01. Due to the uncertainty in the 2010 bigeye assessment, the Agency has not declared this stock rebuilt. Rather, it is considered as rebuilding, and this determination also mirrors the language in the SCRS bigeye stock assessment report from 2010 that discusses the higher odds of rebuilding to levels that could produce MSY if there are lower catches.
HMS	Blacknose shark - Atlantic	This stock is part of the Small Coastal Shark Complex, but is assessed separately.
HMS	Blacktip shark - Gulf of Mexico	This stock is part of the Large Coastal Shark Complex, but is assessed separately.
HMS	Blacktip shark - South Atlantic	This stock is part of the Large Coastal Shark Complex, but is assessed separately.

Table B. FSSI Endnotes

Jurisdiction	Stock	Footnote
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. The SCRS conducted assessments of blue and white marlin in 2006.
HMS	Blue shark - Atlantic	This stock is part of the Pelagic Shark Complex, but is assessed separately.
HMS	Bonnethead - Atlantic	This stock is part of the Small Coastal Shark Complex, but is assessed separately.
HMS	Dusky shark - Atlantic	The first species-specific dusky shark assessment occurred in 2006 and indicates that dusky shark stocks have been depleted 62-80 percent with respect to virgin biomass. Assessment scientists recommend that the rebuilding timeframe for dusky sharks could last anywhere from 100 to 400 years.
HMS	Finetooth shark - Atlantic	This stock is part of the Small Coastal Shark Complex, but is assessed separately.
HMS	Porbeagle - Atlantic	This stock is part of the Pelagic Shark Complex, but is assessed separately. According to the 2005 recovery assessment report conducted by Canada, the North Atlantic porbeagle stock has a 70 percent probability of recovery in approximately 100 years if F is less than or equal to 0.04. There is no U.S. domestic rebuilding plan in place for this species. A rebuilding plan will be implemented in an upcoming Amendment estimated to be finalized in 2008. Until this new Amendment is in place, porbeagle sharks will be managed according to the 1999 HMS FMP. A range of 0.15-0.32 is reported for the B/Bmsy estimate.
HMS	Sailfish - Western Atlantic	For overfished sailfish, Amendment One to the Atlantic Billfish FMP established the foundation to develop an international 10-year rebuilding program. 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. The B/Bmsy is estimated to be > 75%Bmsy.
HMS	Sandbar shark - Atlantic	This stock is part of the Large Coastal Shark Complex, but is assessed separately.
HMS	Shortfin mako - Atlantic	This stock is part of the Pelagic Shark Complex, but is assessed separately.
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.
MAFMC	Atlantic mackerel - Gulf of Maine / Cape Hatteras	Although this stock is currently listed as not subject to overfishing and not overfished, the most recent stock assessment conducted for Atlantic mackerel (2010) could not determine the overfishing or overfished status. Stock status is based on the assessment conducted in 2005.
MAFMC	Butterfish - Gulf of Maine / Cape Hatteras	The overfished status of butterfish is unknown, based on the fact that the last assessment was unable to estimate stock size with reasonable confidence. In addition, the previous assessment conducted in 2004, was found to have significant problems in retrospect, such that stock size estimates are highly uncertain. In order to maintain a precautionary approach, this stock will remain in a rebuilding plan until it can be confirmed with reasonable confidence that stock size has reached an appropriate rebuilding target.
MAFMC	Longfin inshore squid - Georges Bank / Cape Hatteras	The most recent stock assessment conducted in 2011 found that the current fishing mortality reference points are inappropriate for assessing the overfishing status of longfin inshore squid. Thus, the previous assessment's overfishing determination has been invalidated and the overfishing status is unknown.
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).

Table B. FSSI Endnotes

Jurisdiction	Stock	Footnote
MAFMC	Tilefish - Mid-Atlantic Coast	Although the most recent B/Bmsy = 1.04, this stock has not been declared rebuilt. SARC 48 (2009) notes the following: The biomass estimates for recent years from the ASPIC model are likely over-optimistic because trends in commercial VTR CPUE declined recently in a manner consistent with the passage of the strong 1999 cohort through the population (an interpretation further supported by the length frequency data). The current assessment model (ASPIC) does not account for those factors. Much of the confidence interval around the 2008 biomass estimate falls below the updated BMSY listed above. Based on these considerations there is no convincing evidence that the stock has rebuilt to levels above BTARGET. The rebuilt status will be re-evaluated when the stock is assessed next.
NEFMC	Atlantic herring - Northwestern Atlantic Coast	Although this stock is currently listed as not subject to overfishing and not overfished, the most recent stock assessment conducted for Atlantic herring (2010) could not determine the overfishing or overfished status. Stock status is based on a stock assessment conducted in 2009 (TRAC).
NEFMC	Red deepsea crab - Northwestern Atlantic	In the most recent stock assessments (NEFSC 2006) the current MSY and BMSY estimates for red crabs were criticized and judged unreliable due to uncertainty about biological parameters and the model used to calculate MSY. New estimates were not developed due to lack of information about growth, longevity and trends in abundance (from the 2009 Data Poor Working Group Report).
NEFMC	Acadian redfish - Gulf of Maine / Georges Bank	Based on the current FMP GARM III (2008) reference points, the stock was considered not subject to overfishing and not overfished. Based on the 2012 Assessment/Updates new reference points for the stock were developed, and the stock remains not subject to overfishing, and not overfished. The stock biomass has now exceeded the level needed to attain rebuilt status. The final results of the 2012 Assessments/Updates are considered the best scientific information available for management of the multispecies stocks. Future FMP management actions will take into account the 2012 Assessments/Updates.
NEFMC	American plaice - Gulf of Maine / Georges Bank	Based on the current FMP GARM III (2008) reference points, the stock was considered not subject to overfishing and not overfished. Based on the 2012 Assessment/Updates new reference points for the stock were developed, and the stock remains not subject to overfishing and not overfished, but is making insufficient rebuilding progress. The final results of the Assessments/Updates are considered the best scientific information available for management of the multispecies stocks. Future FMP management actions will take into account the 2012 Assessments/Updates.
NEFMC	Atlantic cod - Georges Bank	Based on the current FMP GARM III (2008) reference points, the stock was considered subject to overfishing and overfished. Based on the March, 2012, Assessment or Data Updates of 13 Northeast Groundfish Stocks through 2010 (2012 Assessments/Updates) new reference points for the stock were developed, and the stock was determined to continue to be subject to overfishing and overfished. The final results of the 2012 Assessments/Updates are considered the best scientific information available for management of the multispecies stocks. Future FMP management actions will take into account the 2012 Assessments/Updates.
NEFMC	Atlantic cod - Gulf of Maine	Based on the current FMP GARM III (2008) reference points, the stock was considered subject to overfishing and not overfished. However, based on the, 2012, Assessment/Updates new reference points for the stock were developed, and the stock was determined to remain subject to overfishing, and overfished. The final results of the Assessments/Updates are considered the best scientific information available for management of the multispecies stocks. Future FMP management actions will take into account the Assessments/Updates.
NEFMC	Atlantic halibut - Northwestern Atlantic Coast	Based on the current FMP GARM III (2008) reference points, the stock was considered not subject to overfishing and overfished. Based on the 2012 Assessment/Updates new reference points for the stock were developed, and the stock remains not subject to overfishing and overfished. The final results of the 2012 Assessments/Updates are considered the best scientific information available for management of the multispecies stocks. Future FMP management actions will take into account the 2012 Assessments/Updates.
NEFMC	Haddock - Georges Bank	Based on the current FMP GARM III (2008) reference points, the stock was considered not subject to overfishing and not overfished. Based on the 2012 Assessment/Updates new reference points for the stock were developed, and the stock remains not subject to overfishing and not overfished. The final results of the Assessments/Updates are considered the best scientific information available for management of the multispecies stocks. Future FMP management actions will take into account the 2012 Assessments/Updates.

Table B. FSSI Endnotes

Jurisdiction	Stock	Footnote
NEFMC	Haddock - Gulf of Maine	Based on the current FMP GARM III (2008) reference points, the stock was not subject to overfishing and not overfished. However, based on the, 2012, Assessment/Updates new reference points for the stock were developed, and the stock was determined to be subject to overfishing, not overfished, but is approaching an overfish condition. The final results of the Assessments/Updates are considered the best scientific information available for management of the multispecies stocks. Future FMP management actions will take into account the Assessments/Updates.
NEFMC	Ocean pout - Northwestern Atlantic Coast	Based on the current FMP GARM III (2008) reference points, the stock was considered not subject to overfishing and overfished. Based on the 2012 Assessment/Updates new reference points for the stock were developed, and the stock remains not subject to overfishing and overfished. The final results of the 2012 Assessments/Updates are considered the best scientific information available for management of the multispecies stocks. Future FMP management actions will take into account the 2012 Assessments/Updates.
NEFMC	Offshore hake - Northwestern Atlantic Coast	The most recent stock assessment for offshore hake finalized in 2011, found that the biological reference points used to make the status determination in 2003 was invalid; as a result, the overfished status has been changed to undefined.
NEFMC	Windowpane - Gulf of Maine / Georges Bank	Based on the current FMP GARM III (2008) reference points, the stock was considered subject to overfishing and overfished. Based on the March, 2012, Assessment or Data Updates of 13 Northeast Groundfish Stocks through 2010 (2012 Assessments/Updates) new reference points for the stock were developed, and the stock was determined to continue to be subject to overfishing and overfished. The final results of the 2012 Assessments/Updates are considered the best scientific information available for management of the multispecies stocks. Future FMP management actions will take into account the 2012 Assessments/Updates.
NEFMC	Windowpane - Southern New England / Mid-Atlantic	Based on the current FMP GARM III (2008) reference points, the stock was considered subject to overfishing and not overfished. Based on the 2012 Assessment/Updates new reference points for the stock were developed, and the stock is not subject to overfishing and not overfished. The stock biomass has now exceeded the level needed to attain rebuilt status. The final results of the 2012 Assessments/Updates are considered the best scientific information available for management of the multispecies stocks. Future FMP management actions will take into account the 2012 Assessments/Updates.
NEFMC	Witch flounder - Northwestern Atlantic Coast	Based on the current FMP GARM III (2008) reference points, the stock was considered subject to overfishing and overfished. Based on the March, 2012, Assessment or Data Updates of 13 Northeast Groundfish Stocks through 2010 (2012 Assessments/Updates) new reference points for the stock were developed, and the stock was determined to continue to be subject to overfishing and overfished. The final results of the 2012 Assessments/Updates are considered the best scientific information available for management of the multispecies stocks. Future FMP management actions will take into account the 2012 Assessments/Updates.
NEFMC	Yellowtail flounder - Cape Cod / Gulf of Maine	Based on the current FMP GARM III (2008) reference points, the stock was considered subject to overfishing and overfished. Based on the March, 2012, Assessment or Data Updates of 13 Northeast Groundfish Stocks through 2010 (2012 Assessments/Updates) new reference points for the stock were developed, and the stock was determined to continue to be subject to overfishing and overfished. The final results of the 2012 Assessments/Updates are considered the best scientific information available for management of the multispecies stocks. Future FMP management actions will take into account the 2012 Assessments/Updates.
NEFMC	Yellowtail flounder - Georges Bank	Effective May 1, 2011, the rebuilding plan for yellowtail flounder - Georges Bank was extended so it is now a 26-year rebuilding plan.
NEFMC	Yellowtail flounder - Southern New England / Mid-Atlantic	The SAW/SARC 54 supports the determination that this stock is no longer subject to overfishing, no longer overfished, and rebuilt, based on the best scientific information available (BSIA), as determined by the Scientific and Statistical Committee (SSC). New numerical estimates of these reference points are Fmsy=0.316, Bmsy=2,995 mt, and Blimit=1,498 mt, which are currently not implemented in the Northeast Fishery Management Plan (FMP). These new estimates will be incorporated into the FMP in a future management action.
NEFMC	Barndoor skate - Georges Bank / Southern New England	Exact rebuilding time period unspecified in the FMP. Rebuilding may take decades, based on the long-lived, late maturing, and low fecundity nature of this species.

Table B. FSSI Endnotes

Jurisdiction	Stock	Footnote
NPFMC	Blue king crab - Pribilof Islands	The North Pacific Fishery Management Council is revising the rebuilding plan for this stock, which will extend the rebuilding target date . In the meantime, there is no directed fishing for blue king crab - Pribilof Islands and the majority of blue king crab habitat is closed to bottom trawling
NPFMC	Blue king crab - Saint Matthews Island	Fishery in the EEZ is closed; therefore, fishing mortality is very low.
NPFMC	Red king crab - Pribilof Islands	Fishery in the EEZ is closed; therefore, fishing mortality is very low.
NPFMC	Southern Tanner crab - Bering Sea	The most recent assessment found this stock had not been overfished in 2009 and the current stock size is estimated to be above the biomass target (Bmsy).
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	Flathead Sole 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 consists of Northern Rock Sole and Southern 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	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.
NPFMC	Gulf of Alaska Deepwater Flatfish Complex	The Deep Water Flatfish Complex consists of the following stocks: Deepsea Sole, Dover Sole, and Greenland Turbot. Prior to 2011, Dover sole was the indicator stock for the deep-water flatfish assemblage. However, the 2011 assessment contained a recommendation that the existing age-structured model be rejected., including using Dover sole as an indicator species. The deep-water flatfish complex therefore no longer has an indicator species and an overfished determination can no longer be made. The complex was not subject to overfishing in 2010.
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. 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 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.

Table B. FSSI Endnotes

Jurisdiction	Stock	Footnote
PFMC	Skipjack tuna - Eastern Tropical Pacific	Even though this stock is shown to be under the jurisdiction of a single Council and under the management of a single FMP, it is acknowledged that both the Pacific Fishery Management Council and the Western Pacific Fishery Management Council have jurisdiction over this stock, and it is managed under both the West Coast Highly Migratory Species FMP and the Western Pacific Pelagics FMP. The Council indicated here is the lead Council for the purposes of this report.
PFMC	Striped marlin - Eastern Tropical Pacific	Even though this stock is shown to be under the jurisdiction of a single Council and under the management of a single FMP, it is acknowledged that both the Pacific Fishery Management Council and the Western Pacific Fishery Management Council have jurisdiction over this stock, and it is managed under both the West Coast Highly Migratory Species FMP and the Western Pacific Pelagics FMP. The Council indicated here is the lead Council for the purposes of this report. An assessment was conducted on the North Pacific striped marlin stock (ISC 2007, Report of 7th meeting of the ISC) and concluded that CPUE and other indicator trends have significantly declined from historical highs at the beginning of the fisheries to 2006. Although there is uncertainty associated with this assessment owing to data limitations, the results suggest that the stock in the North Pacific Ocean is experiencing intense exploitation. The responsible RFMO (IATTC and WCPFC) are scheduled to address this issue and provide justification for change in status. The previous status of not subject to overfishing and overfished will remain until/if the results of the ISC report are accepted.
PFMC / WPFMC	Albacore - North Pacific	The status of Albacore - North Pacific is based on a suite of FMSY proxies (F40%, F30% and F0.1), two estimated levels of recent fishing pressure (F=0.43 and F=0.68), and two scenarios of productivity (low R and high R). The resulting ratios of F/FMSY range from 1.02 to 2.26. However, the PFMC has not adopted a proxy for FMSY and thus status is listed as "unknown." The ratios of B/BMSY range from 0.67 to 1.07 against an overfished criteria of < 0.7 (see Appendix 2 of this report, 2005 PFMC HMS SAFE document, PFMC HMS FMP and 19th NPALPW Report for details).
PFMC / WPFMC	Swordfish - North Pacific	The status of Swordfish - North Pacific is based on the assessments of the Central Western Pacific and Eastern Tropical Pacific stocks of swordfish.
SAFMC	Brown rock shrimp - Southern Atlantic Coast	Although the overfished status of this stock has been reported in the past, there are no biomass reference points for assessing the overfished status.
SAFMC	Black grouper - Southern Atlantic Coast	Black grouper is now managed as a single Gulf of Mexico/South Atlantic stock under both the Snapper-Grouper and Reef Fish of the Gulf of Mexico FMPs. Beginning in FY13, it will no longer be listed as 2 separate stocks, but as a single stock.
SAFMC	Wreckfish - Southern Atlantic Coast	Although the overfished determination is not known, landings are at extremely low levels and there are only two participants in the fishery.
SAFMC / GMFMC	Nassau grouper - Southern Atlantic Coast / Gulf of Mexico *	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
SAFMC / GMFMC	Little tunny - Gulf of Mexico	This stock was removed from the Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic FMP in 2011, but will continue to be listed as an FSSI stock until FY13.
SAFMC / GMFMC	Spanish mackerel - Southern Atlantic Coast	The most recent Spanish mackerel assessment (2008) concluded the species was not subject to overfishing but overfished status was unknown. The most recent known determination of not overfished is based on the 2003 stock assessment.
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	American Samoa Bottomfish Multi-species Complex	This complex contains up to 19 species including Seabass - hapuu'upu, Squirrelfish Snapper - ehu, Longtail Snapper - onaga, Silver Jaw Jobfish - lehi, Gray Jobfish - uku, Blueline Snapper, Yellowtail Snapper - yellow tail kalekale, Crimson jobfish - opakapaka, Yelloweye Snapper - yelloweye opakapaka, Von Siebolds Snapper - kalekale, Oblique-Banded Snapper - gindai, Giant Trevally - white ulua, Black Jack - black ulua, Thick Lipped Trevally - pig ulua, Amberjack - kahala, Blacktip Grouper, Lunartail Grouper, Ambon Emperor, and Redgill Emperor.

Table B. FSSI Endnotes

Jurisdiction	Stock	Footnote
WPFMC	Hancock Seamount Groundfish Complex	Overfished determination is pre-SFA. This stock complex uses pelagic armorhead as the indicator species of a three-species seamount groundfish complex that includes raftfish and alfonsin. Post-SFA overfishing/overfished definitions were approved in 2003 for the seamount groundfish stock complex, for which pelagic armorhead is assessed as the indicator species, but determinations have not yet been made relative to those new definitions. This stock complex does not have a formal rebuilding plan or time period for rebuilding. 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. The area around the Hancock Seamounts is classified as an ecosystem management area.
WPFMC	Hawaiian Archipelago Coral Reef Ecosystem Multi-species Complex	This complex contains up to 146 "currently harvested coral reef taxa" and innumerable "potentially harvested coral reef taxa."
WPFMC	Main Hawaiian Islands Deep 7 Bottomfish Multi-species Complex	The Main Hawaiian Islands Deep 7 Bottomfish Multi-Species Complex contains: onaga,, ehu, gindai, kalekale, opakapaka, lehi, and hapuupuu.
WPFMC	Guam Bottomfish Multi-species Complex	This complex contains up to 19 species including Seabass - hapuu'upu, Squirrelfish Snapper - ehu, Longtail Snapper - onaga, Silver Jaw Jobfish - lehi, Gray Jobfish - uku, Blueline Snapper, Yellowtail Snapper - yellow tail kalekale, Crimson jobfish - opakapaka, Yelloweye Snapper - yelloweye opakapaka, Von Siebolds Snapper - kalekale, Oblique-Banded Snapper - gindai, Giant Trevally - white ulua, Black Jack - black ulua, Thick Lipped Trevally - pig ulua, Amberjack - kahala, Blacktip Grouper, Lunartail Grouper, Ambon Emperor, and Redgill Emperor.
WPFMC	Skipjack tuna - Central Western Pacific	Even though this stock is shown to be under the jurisdiction of a single Council and under the management of a single FMP, it is acknowledged that both the Pacific Fishery Management Council and the Western Pacific Fishery Management Council have jurisdiction over this stock, and it is managed under both the West Coast Highly Migratory Species FMP and the Western Pacific Pelagics FMP. The Council indicated here is the lead Council for the purposes of this report.
WPFMC	Striped marlin - Central Western Pacific	Even though this stock is shown to be under the jurisdiction of a single Council and under the management of a single FMP, it is acknowledged that both the Pacific Fishery Management Council and the Western Pacific Fishery Management Council have jurisdiction over this stock, and it is managed under both the West Coast Highly Migratory Species FMP and the Western Pacific Pelagics FMP. The Council indicated here is the lead Council for the purposes of this report. An assessment was conducted on the North Pacific striped marlin stock (ISC 2007, Report of 7th meeting of the ISC) and concluded that CPUE and other indicator trends have significantly declined from historical highs at the beginning of the fisheries to 2006. Although there is uncertainty associated with this assessment owing to data limitations, the results suggest that the stock in the North Pacific Ocean is experiencing intense exploitation.
WPFMC	Yellowfin tuna - Central Western Pacific	The yellowfin tuna resource is managed by both the Pacific Fishery Management Council and the Western Pacific Fishery Management Council. The PFMC manages the EPO stock under the West Coast Highly Migratory Species FMP and the WPFMC manages the WCPO stock under the Western Pacific Pelagics FMP.

National Marine Fisheries Service - 4th Quarter Update
Table C. Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management 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 Species Complex *	No	Unknown	Unknown	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Angelfishes Complex *	Unknown	Unknown	Unknown	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Aquarium Trade Species Complex *	No	Unknown	Unknown	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Boxfishes Complex *	No	Unknown	Unknown	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Goatfishes Complex *	No	Unknown	Unknown	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Grouper Unit 3 *	No	Unknown	Unknown	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Grouper Unit 5 *	No	Unknown	Unknown	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Grunts Complex *	No	Unknown	Unknown	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Hogfish / Wrasses Complex *	Unknown	Unknown	Unknown	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Jacks Complex *	No	Unknown	Unknown	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Parrotfishes Complex *	No	No	Yes	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Porgies Complex *	No	Unknown	Unknown	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Snapper Unit 2 *	No	Unknown	Unknown	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Squirrelfishes Complex *	Unknown	Unknown	Unknown	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Surgeonfishes Complex *	No	Unknown	Unknown	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Tilefishes Complex *	No	Unknown	Unknown	NA	N/A
CFMC	Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Triggerfishes and Filefishes Complex *	No	Unknown	Unknown	NA	N/A
GMFMC	Coral and Coral Reefs of the Gulf of Mexico	Black corals (Antipatharia) - Gulf of Mexico *	No	Unknown	Unknown	NA	N/A
GMFMC	Coral and Coral Reefs of the Gulf of Mexico	Fire corals (Milleporidae) - Gulf of Mexico *	No	Unknown	Unknown	NA	N/A

National Marine Fisheries Service - 4th Quarter Update

Table C. Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
GMFMC	Coral and Coral Reefs of the Gulf of Mexico	Hydrocorals (Stylasteridae) - Gulf of Mexico *	No	Unknown	Unknown	NA	N/A
GMFMC	Coral and Coral Reefs of the Gulf of Mexico	Stony corals (Scleractinia) - Gulf of Mexico *	No	Unknown	Unknown	NA	N/A
GMFMC	Reef Fish Resources of the Gulf of Mexico	Gulf of Mexico Jacks Complex	Unknown	Unknown	Unknown	NA	N/A
GMFMC	Reef Fish Resources of the Gulf of Mexico	Gulf of Mexico Mid-Water Snapper Complex	Unknown	Unknown	Unknown	NA	N/A
GMFMC	Reef Fish Resources of the Gulf of Mexico	Gulf of Mexico Tilefishes Complex	Unknown	Unknown	Unknown	NA	N/A
GMFMC	Reef Fish Resources of the Gulf of Mexico	Gulf of Mexico Deep Water Grouper Complex	Unknown	Unknown	Unknown	NA	N/A
GMFMC	Reef Fish Resources of the Gulf of Mexico	Gulf of Mexico Shallow Water Grouper Complex	Unknown	Unknown	Unknown	NA	N/A
GMFMC	Reef Fish Resources of the Gulf of Mexico	Cubera snapper - Gulf of Mexico	Unknown	Unknown	Unknown	NA	N/A
GMFMC	Reef Fish Resources of the Gulf of Mexico	Gray snapper - Gulf of Mexico	Unknown	Unknown	Unknown	NA	N/A
GMFMC	Reef Fish Resources of the Gulf of Mexico	Lane snapper - Gulf of Mexico	Unknown	Unknown	Unknown	NA	N/A
GMFMC	Reef Fish Resources of the Gulf of Mexico	Tilefish - Gulf of Mexico *	No	No	Unknown	NA	N/A
HMS	Consolidated Atlantic Highly Migratory Species	Atlantic Pelagic Shark Complex *	Unknown	Unknown	Unknown	NA	N/A
HMS	Consolidated Atlantic Highly Migratory Species	Blacknose shark - Gulf of Mexico	Unknown	Unknown	Unknown	NA	NA
HMS	Consolidated Atlantic Highly Migratory Species	Longbill spearfish - Western Atlantic	Unknown	Unknown	Unknown	NA	N/A
HMS	Consolidated Atlantic Highly Migratory Species	Roundscale spearfish - Atlantic	Unknown	Unknown	Unknown	NA	N/A
HMS	Consolidated Atlantic Highly Migratory Species	Scalloped hammerhead - Atlantic *	Yes	Yes	NA	Reduce Mortality, Rebuilding Program	N/A
HMS	Consolidated Atlantic Highly Migratory Species	Skipjack tuna - Western Atlantic	No	No	No	NA	N/A
NEFMC	Atlantic Salmon	Atlantic salmon - Gulf of Maine *	No	Yes	NA	Rebuild - ESA listed	N/A
NEFMC	Northeast Multispecies	Atlantic wolffish - Gulf of Maine / Georges Bank *	No	Yes	NA	Continue Rebuilding	Year 3 of plan
NPFMC	Bering Sea/Aleutian Islands King and Tanner Crabs	Golden king crab - Pribilof Islands	No	Unknown	Unknown	NA	N/A
NPFMC	Fish Resources of the Arctic Management Area	Arctic cod - Arctic Management Area *	No	Unknown	Unknown	NA	N/A
NPFMC	Fish Resources of the Arctic Management Area	Saffron cod - Arctic Management Area *	No	Unknown	Unknown	NA	N/A

National Marine Fisheries Service - 4th Quarter Update

Table C. Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
NPFMC	Fish Resources of the Arctic Management Area	Snow crab - Arctic Management Area *	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Octopus Complex *	Yes	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Other Flatfish Complex *	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Other Rockfish Complex *	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Sculpin Complex *	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Shark Complex *	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Skate Complex *	No	No	No	NA	N/A
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Squid Complex *	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Kamchatka flounder - Bering Sea / Aleutian Islands	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Shortraker rockfish - Bering Sea / Aleutian Islands	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Bering Sea and Aleutian Islands Management Area	Walleye pollock - Bogoslof	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Gulf of Alaska	Atka mackerel - Gulf of Alaska	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Gulf of Alaska	Big skate - Gulf of Alaska	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Octopus Complex *	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Other Rockfish Complex *	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Sculpin Complex *	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Shallow Water Flatfish Complex *	No	No	No	NA	N/A
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Shark Complex *	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Skate Complex *	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Gulf of Alaska	Gulf of Alaska Squid Complex *	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Gulf of Alaska	Longnose skate - Gulf of Alaska	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Gulf of Alaska	Shortraker rockfish - Gulf of Alaska	No	Unknown	Unknown	NA	N/A
NPFMC	Groundfish of the Gulf of Alaska	Walleye pollock - Eastern Gulf of Alaska	No	Unknown	Unknown	NA	N/A

Table C. Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
NPFMC	Salmon Fisheries in the EEZ off the Coast of Alaska	Alaska Coho Salmon Assemblage *	No	No	No	NA	N/A
NPFMC	Salmon Fisheries in the EEZ off the Coast of Alaska	Chinook salmon - Eastern North Pacific Far North Migrating	No	No	No	NA	N/A
NPFMC	Scallop Fishery off Alaska	Weathervane scallop - Alaska	No	Unknown	Unknown	NA	N/A
PFMC	Coastal Pelagic Species	Krill (Euphausiacea) - Pacific Coast	Unknown	Unknown	Unknown	NA	N/A
PFMC	Pacific Coast Groundfish	Black rockfish - Southern Pacific Coast	No	No	No	NA	N/A
PFMC	Pacific Coast Groundfish	Greenspotted rockfish - Pacific Coast	Unknown	No	No	NA	N/A
PFMC	Pacific Coast Groundfish	Greenstriped rockfish - Pacific Coast	Unknown	No	No	NA	N/A
PFMC	Pacific Coast Groundfish	Northern Pacific Coast Minor Nearshore Rockfish Complex *	Unknown	Unknown	Unknown	NA	N/A
PFMC	Pacific Coast Groundfish	Northern Pacific Coast Minor Shelf Rockfish Complex *	Unknown	Unknown	Unknown	NA	N/A
PFMC	Pacific Coast Groundfish	Northern Pacific Coast Minor Slope Rockfish Complex *	Unknown	Unknown	Unknown	NA	N/A
PFMC	Pacific Coast Groundfish	Pacific Coast Other Flatfish Complex *	Unknown	Unknown	Unknown	NA	N/A
PFMC	Pacific Coast Groundfish	Pacific Coast Other Groundfish Complex *	Unknown	Unknown	Unknown	NA	N/A
PFMC	Pacific Coast Groundfish	Southern Pacific Coast Minor Nearshore Rockfish Complex *	Unknown	Unknown	Unknown	NA	N/A
PFMC	Pacific Coast Groundfish	Southern Pacific Coast Minor Shelf Rockfish Complex *	Unknown	Unknown	Unknown	NA	N/A
PFMC	Pacific Coast Groundfish	Southern Pacific Coast Minor Slope Rockfish Complex *	Unknown	Unknown	Unknown	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - California Central Valley: Sacramento (fall) *	No	Yes	NA	Rebuilding Program	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - California Central Valley: Sacramento (spring)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - California Central Valley: Sacramento (winter)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Lower River Hatchery (fall)	NA Exception 1	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Lower River Hatchery (spring)	NA Exception 1	NA	NA	NA	N/A

Table C. Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Mid-River Bright Hatchery (fall)	NA Exception 1	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: North Lewis (fall)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Snake (fall)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Snake (spring/summer)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Spring Creek Hatchery (fall)	NA Exception 1	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Upper River (spring)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Upper River (summer)	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Upper River Bright (fall)	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Upper Willamette (spring)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Northern California Coast: Eel, Mattole, and Mad (fall/spring)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Northern California Coast: Klamath (fall)	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Northern California Coast: Klamath (spring)	Unknown	Unknown	Unknown	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Northern California Coast: Smith (fall/spring)	Unknown	Unknown	Unknown	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Oregon Coast: Central and Northern	Unknown	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Oregon Coast: Southern	Unknown	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Cedar (summer/fall)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Eastern Strait of Juan de Fuca (summer/fall)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Green (summer/fall)	NA Exception 2	NA	NA	NA	N/A

Table C. Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Mid Hood Canal (summer/fall)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Nisqually (summer/fall)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Nooksack (spring early)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Puyallup (summer/fall)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Skagit (spring)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Skagit (summer/fall)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Skokomish (summer/fall)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Snohomish (summer/fall)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: Stillaguamish (summer/fall)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Puget Sound: White (spring)	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Grays Harbor (fall)	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Grays Harbor (spring)	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Hoh (fall)	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Hoh (spring/summer)	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Hoko (summer/fall)	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Queets (fall)	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Queets (spring/summer)	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Quillayute (fall)	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Quillayute (spring/summer)	Unknown	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Quinault Fall (hatchery)	NA Exception 1	NA	NA	NA	N/A

Table C. Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Willapa Bay Fall (hatchery)	NA Exception 1	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Chinook salmon - Washington Coast: Willapa Bay Fall (natural)	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Central California Coast	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Columbia (early hatchery)	NA Exception 1	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Columbia (late hatchery)	NA Exception 1	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Columbia (natural) *	NA Exception 2	NA	Unknown	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Northern California	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Oregon Coastal (hatchery)	NA Exception 1	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Oregon Coastal (natural) *	NA Exception 2	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Puget Sound: Hood Canal	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Puget Sound: Skagit	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Puget Sound: Snohomish	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Puget Sound: South Puget Sound (hatchery)	NA Exception 1	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Puget Sound: Stillaguamish	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Grays Harbor	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Hoh	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Queets	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Quillayute (fall)	Unknown	No	No	NA	N/A

Table C. Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Quillayute (summer)	NA Exception 1	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Quinault	NA Exception 1	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Strait of Juan de Fuca	No	No	No	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Willapa Bay	NA Exception 1	NA	NA	NA	N/A
PFMC	Pacific Coast Salmon	Coho salmon - Washington Coast: Willapa Bay (natural)	Unknown	Unknown	Unknown	NA	N/A
PFMC	Pacific Coast Salmon	Pink salmon - Puget Sound (odd-numbered years) *	Unknown	No	No	NA	N/A
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Shortfin mako - North Pacific	Unknown	Unknown	Unknown	NA	N/A
PFMC / WPFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Thresher shark - North Pacific	Unknown	Unknown	Unknown	NA	N/A
SAFMC	Coral, Coral Reefs and Live/Hard Bottom Habitats of the South Atlantic Region	Black corals (Antipatharia) - Southern Atlantic Coast *	No	Unknown	Unknown	NA	N/A
SAFMC	Coral, Coral Reefs and Live/Hard Bottom Habitats of the South Atlantic Region	Fire corals (Milleporidae) - Southern Atlantic Coast *	No	Unknown	Unknown	NA	N/A
SAFMC	Coral, Coral Reefs and Live/Hard Bottom Habitats of the South Atlantic Region	Hydrocorals (Stylasteridae) - Southern Atlantic Coast *	No	Unknown	Unknown	NA	N/A
SAFMC	Coral, Coral Reefs and Live/Hard Bottom Habitats of the South Atlantic Region	Soft corals (Octocorallia) - Southern Atlantic Coast *	No	Unknown	Unknown	NA	N/A
SAFMC	Coral, Coral Reefs and Live/Hard Bottom Habitats of the South Atlantic Region	Stony corals (Scleractinia) - Southern Atlantic Coast *	No	Unknown	Unknown	NA	N/A
SAFMC	Dolphin and Wahoo Fishery of the Atlantic	Wahoo - Southern Atlantic Coast	Unknown	Unknown	Unknown	NA	N/A
SAFMC	Golden Crab Fishery of the South Atlantic Region	Golden deepsea crab - Southern Atlantic Coast	Unknown	Unknown	Unknown	NA	N/A
SAFMC	Pelagic Sargassum Habitat of the South Atlantic Region	Sargassum - Southern Atlantic Coast *	No	No	Unknown	NA	N/A
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	South Atlantic Jacks Complex	Unknown	Unknown	Unknown	NA	N/A
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	South Atlantic Deepwater Grouper Complex	Unknown	Unknown	Unknown	NA	N/A
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	South Atlantic Shallow Water Grouper Complex	Unknown	Unknown	Unknown	NA	N/A

National Marine Fisheries Service - 4th Quarter Update
Table C. Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	South Atlantic Snappers Complex	Unknown	Unknown	Unknown	NA	N/A
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	South Atlantic Grunts Complex	Unknown	Unknown	Unknown	NA	N/A
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	South Atlantic Porgy Complex	Unknown	Unknown	Unknown	NA	N/A
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Atlantic spadefish - Southern Atlantic Coast	Unknown	Unknown	Unknown	NA	N/A
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Bar jack - Southern Atlantic Coast	Unknown	Unknown	Unknown	NA	N/A
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Blue runner - Southern Atlantic Coast	Unknown	Unknown	Unknown	NA	N/A
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Gray snapper - Southern Atlantic Coast	No	Unknown	Unknown	NA	N/A
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Lane snapper - Southern Atlantic Coast	No	Unknown	Unknown	NA	N/A
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Yellowedge grouper - Southern Atlantic Coast	No	Unknown	Unknown	NA	N/A
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	N/A
WPFMC	American Samoa Archipelago Ecosystem	American Samoa Black Precious Coral Complex*	Unknown	Unknown	Unknown	NA	N/A
WPFMC	American Samoa Archipelago Ecosystem	American Samoa Coral Reef Ecosystem Multi-species Complex *	Unknown	Unknown	Unknown	NA	N/A
WPFMC	American Samoa Archipelago Ecosystem	American Samoa Exploratory Area Precious Coral Complex*	Unknown	Unknown	Unknown	NA	N/A
WPFMC	American Samoa Archipelago Ecosystem	Deepwater shrimps (Heterocarpus spp.) - American Samoa	Unknown	Unknown	Unknown	NA	N/A
WPFMC	American Samoa Archipelago Ecosystem	Kona crab - American Samoa	Unknown	Unknown	Unknown	NA	NA
WPFMC	American Samoa Archipelago Ecosystem	Slipper lobsters (Scyllaridae) - American Samoa	Unknown	Unknown	Unknown	NA	N/A
WPFMC	American Samoa Archipelago Ecosystem	Spiny lobsters (Panulirus spp.) - American Samoa	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Hawaii Archipelago Ecosystem	180 Fathom Bank Precious Coral Complex*	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Hawaii Archipelago Ecosystem	Au'Au Bed Black Coral Complex *	Unknown	Unknown	Unknown	NA	N/A

Table C. Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
WPFMC	Hawaii Archipelago Ecosystem	Brooks Bank Precious Coral Complex*	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Hawaii Archipelago Ecosystem	Deepwater shrimps (Heterocarpus spp.) - Main Hawaiian Islands	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Hawaii Archipelago Ecosystem	Hawaiian Archipelago Exploratory Area Precious Coral Complex*	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Hawaii Archipelago Ecosystem	Kaena Point Bed Precious Coral Complex*	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Hawaii Archipelago Ecosystem	Keahole Bed Precious Coral Complex*	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Hawaii Archipelago Ecosystem	Kona crab - Main Hawaiian Islands	Unknown	Unknown	Unknown	NA	NA
WPFMC	Hawaii Archipelago Ecosystem	Main Hawaiian Islands Non-Deep 7 Bottomfish Multi-species Complex*	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Hawaii Archipelago Ecosystem	Makapu'u Bed Precious Corals Multi-species Complex *	No	Unknown	Unknown	NA	N/A
WPFMC	Hawaii Archipelago Ecosystem	Northwest Hawaiian Islands Bottomfish Multi-species Complex*	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Hawaii Archipelago Ecosystem	Northwestern Hawaiian Islands Crustacean Complex *	No	Unknown	Unknown	NA	N/A
WPFMC	Hawaii Archipelago Ecosystem	Slipper lobsters (Scyllaridae) - Main Hawaiian Islands	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Hawaii Archipelago Ecosystem	Spiny lobsters (Panulirus spp.) - Main Hawaiian Islands	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Mariana Archipelago Ecosystem	Deepwater shrimps (Heterocarpus spp.) - Guam	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Mariana Archipelago Ecosystem	Deepwater shrimps (Heterocarpus spp.) - Northern Mariana Islands	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Mariana Archipelago Ecosystem	Guam Black Precious Coral Complex*	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Mariana Archipelago Ecosystem	Guam Coral Reef Ecosystem Multi-species Complex *	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Mariana Archipelago Ecosystem	Guam Exploratory Area Precious Coral Complex*	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Mariana Archipelago Ecosystem	Kona crab - Guam	Unknown	Unknown	Unknown	NA	NA
WPFMC	Mariana Archipelago Ecosystem	Kona crab - Northern Mariana Islands	Unknown	Unknown	Unknown	NA	NA

Table C. Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
WPFMC	Mariana Archipelago Ecosystem	Northern Mariana Islands Black Precious Coral Complex*	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Mariana Archipelago Ecosystem	Northern Mariana Islands Bottomfish Multi-species Complex *	No	No	No	NA	N/A
WPFMC	Mariana Archipelago Ecosystem	Northern Mariana Islands Coral Reef Ecosystem Multi-species Complex *	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Mariana Archipelago Ecosystem	Northern Mariana Islands Exploratory Area Precious Coral Complex*	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Mariana Archipelago Ecosystem	Slipper lobsters (Scyllaridae) - Guam	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Mariana Archipelago Ecosystem	Slipper lobsters (Scyllaridae) - Northern Mariana Islands	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Mariana Archipelago Ecosystem	Spiny lobsters (Panulirus spp.) - Guam	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Mariana Archipelago Ecosystem	Spiny lobsters (Panulirus spp.) - Northern Mariana Islands	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Black marlin - Pacific	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Longfin mako - North Pacific	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Oceanic whitetip shark - Tropical Pacific	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Pomfrets (Bramidae) - Western Pacific	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Sailfish - Pacific	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Salmon shark - North Pacific	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Silky shark - Tropical Pacific	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Snake mackerels (Gempylidae) - Pacific	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Tropical Pacific Other Tuna Relatives Complex *	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Pacific Remote Island Areas Ecosystem	Pacific Island Remote Areas Coral Reef Ecosystem Multi-species Complex *	Unknown	Unknown	Unknown	NA	N/A

Table C. Non-FSSI Stocks

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
WPFMC	Pacific Remote Island Areas Ecosystem	Pacific Remote Island Areas Black Precious Coral Complex *	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Pacific Remote Island Areas Ecosystem	Pacific Remote Island Areas Bottomfish Complex *	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Pacific Remote Island Areas Ecosystem	Pacific Remote Island Areas Crustacean Complex *	Unknown	Unknown	Unknown	NA	N/A
WPFMC	Pacific Remote Island Areas Ecosystem	Pacific Remote Island Areas Exploratory Area Precious Coral Complex *	Unknown	Unknown	Unknown	NA	N/A

Table D. Non-FSSI Endnotes

Jurisdiction	Stock	Footnote
CFMC	Caribbean Aquarium Trade Species Complex	Caribbean Aquarium Trade 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 policifera*, *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, biant 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 Angelfishes Complex	Caribbean Angelfishes Complex is part of the Caribbean Reef Fish FMU and is composed of queen, gray, and French angelfishes. There is no indicator species for this unit.
CFMC	Caribbean Aquarium Trade 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 Boxfishes Complex	Caribbean Boxfishes Complex is part of the Caribbean Reef Fish FMU and is composed of honeycombed and scrawled cowfishes; trunkfish, spotted trunkfish, and smooth trunkfish. There is no indicator species for this unit.
CFMC	Caribbean Goatfishes Complex	Caribbean Goatfishes Complex is part of the Caribbean Reef Fish FMU and is composed of spotted and yellow goatfishes.
CFMC	Caribbean Grouper Unit 3	Caribbean Grouper Unit 3 is part of the Caribbean Reef Fish FMU and is composed of red hind, coney, rock hind, and graysby.
CFMC	Caribbean Grouper Unit 5	Caribbean Grouper Unit 5 is part of the Caribbean Reef Fish FMU and is composed of misty and yellowedge grouper. There is no indicator species for this unit.
CFMC	Caribbean Grunts Complex	Caribbean Grunts Complex is part of the Caribbean Reef Fish FMU and is composed of white grunt, tomtate, blue striped grunt, French grunt, margate, and porkfish. There is no indicator species for this unit.
CFMC	Caribbean Hogfish / Wrasses Complex	Caribbean Hogfish/Wrasses Complex is part of the Caribbean Reef Fish FMU and is composed of hogfish, Spanish hogfish, and puddingwife.
CFMC	Caribbean Jacks Complex	Caribbean Jacks Complex is part of the Caribbean Reef Fish FMU and is composed of blue runner, greater amberjack, horseye, black, almaco, bar, and yellow jacks. There is no indicator species for this unit.
CFMC	Caribbean Parrotfishes Complex	The Parrotfishes Complex is part of the Caribbean Reef Fish FMU and is composed of blue, midnight, princess, queen, rainbow, striped, redband, redtail, redfin, and stoplight parrotfishes.
CFMC	Caribbean Porgies Complex	Caribbean Porgies Complex is part of the Caribbean Reef Fish FMU and is composed of jolthead porgy, sea bream, sheepshead porgy, and pluma. There is no indicator species for this unit.
CFMC	Caribbean Snapper Unit 2	Caribbean Snapper Unit 2 is part of the Caribbean Reef Fish FMU and is composed of cardinal and Queen snapper.
CFMC	Caribbean Squirrelfishes Complex	Caribbean Squirrelfishes Complex is part of the Caribbean Reef Fish FMU and is composed of black bar squirrelfish, longspine squirrelfish, bigeye (Priacanthus arenatus), and squirrelfish. There is no indicator species for this unit.

Table D. Non-FSSI Endnotes

Jurisdiction	Stock	Footnote
CFMC	Caribbean Surgeonfishes Complex	Caribbean Surgeonfish Complex is part of the Caribbean Reef Fish FMU and is composed of doctorfish, bluetang, and ocean surgeonfish. There is no indicator species for this unit.
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	Caribbean Triggerfishes and Filefishes Complex	Caribbean Triggerfishes and Filefishes Complex is part of the Caribbean Reef Fish FMU and is composed of ocean, queen, and Sargassum triggerfishes; scrawled and whitespotted filefishes; and black durgon.
GMFMC	Black corals (Antipatharia) - Gulf of Mexico	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
GMFMC	Fire corals (Milleporidae) - Gulf of Mexico	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
GMFMC	Hydrocorals (Stylasteridae) - Gulf of Mexico	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
GMFMC	Stony corals (Scleractinia) - Gulf of Mexico	Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
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 Tilefishes Complex	The Tilefishes Complex contains blueline tilefish, goldface tilefish, and tilefish.
GMFMC	Gulf of Mexico Deep Water Grouper Complex	The Deep Water Grouper Complex contains snowy grouper (FSSI stock), speckled hind, Warsaw grouper, and yellowedge grouper (FSSI stock).
GMFMC	Gulf of Mexico Shallow Water Grouper Complex	The Shallow Water Grouper Complex contains scamp, yellowfin grouper, and yellowmouth grouper.
GMFMC	Tilefish - Gulf of Mexico	The most recent assessment for tilefish - Gulf of Mexico used overfished criteria that have been determined to be the Best Scientific Information Available (BSIA) by the SSC, but have not yet been implemented in the fishery management plan. These criteria will be implemented in the next FMP amendment.
HMS	Atlantic Pelagic Shark Complex	In addition to Shortfin Mako Shark, Blue Shark, and Porbeagle Shark, the Pelagic Shark Complex also consists of Oceanic Whitetip Shark and Thresher Shark. This complex also consists of stocks that cannot be retained in recreational or commercial fisheries, which include Bigeye Thresher Shark, Bigeye Sixgill Shark, Longfin Mako Shark, Sevengill Shark, and Sixgill Shark.
HMS	Scalloped hammerhead - Atlantic	This stock is part of the Large Coastal Shark Complex, but is assessed separately. On April 28, 2011, this stock was determined to be overfished and subject to overfishing. The Highly Migratory Species Division has 2 years to implement a rebuilding plan.
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.
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.
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 Benthoctopus oregonensis, Octopus Graneledone boreopacifica, and Octopus Bathypolypus arcticus.

Table D. Non-FSSI Endnotes

Jurisdiction	Stock	Footnote
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	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	Bering Sea / Aleutian Islands Squid Complex	The Squid Complex consists of the following stocks: Squid Belonella borealis, Squid Berryteuthis anonychus, Squid Berryteuthis magister, Squid Chiroteuthis calyx, Squid Cranchia scabra, Squid Eogonatus tinro, Squid Galiteuthis phyllura, Squid Gonatopsis borealis, Squid Gonatopsis makko, Squid Gonatus berryi, Squid Gonatus kamtschaticus, Squid Gonatus madokai, Squid Gonatus onyx, Squid Gonatus pyros, Squid Histioteuthis hoylei, Squid Moroteuthis robusta, and Squid Rossia pacifica. The overfishing determination is based on the OFL, which is equal to average historical catch.
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. 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.
NPFMC	Gulf of Alaska Other Rockfish Complex	The other rockfish complex is a new assessment in 2011 and a new management category in 2012. It consists of the former other slope rockfish complex and the non-dusky species from the former pelagic shelf rockfish complex (yelloweye and widow rockfish). The new Other Rockfish Complex consists of the following stocks: Blackgill Rockfish, Bocaccio, Chilipepper, Darkblotched Rockfish, Greenstriped Rockfish, Harlequin Rockfish, Northern Rockfish (Eastern GOA only), Pygmy Rockfish, Redbanded Rockfish, Redstripe Rockfish, Sharpchin Rockfish, Silvergray Rockfish, Splitnose Rockfish, Stripetail Rockfish, Vermilion Rockfish, Widow Rockfish, Yelloweye Rockfish, and Yellowmouth Rockfish. The former "other slope rockfish" assemblage was not subjected to overfishing in 2010.
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 Artediellus sp., and Sculpin Icelus euryops.

Table D. Non-FSSI Endnotes

Jurisdiction	Stock	Footnote
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, Southern 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 in 2010, 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 in 2010 and that neither of the indicator species (northern and southern rock sole) is overfished or approaching a condition of being overfished in 2011.
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, Routhtail Skate, and Whiteblotched Skate. The overfishing determination is based on the combined abundance estimates of these species.
NPFMC	Gulf of Alaska Squid Complex	The Squid Complex consists of Squid Berryteuthis anonychus, Squid Berryteuthis magister, Squid Chiroteuthis calyx, Squid Cranchia scabra, Squid Eogonatus tinro, Squid Galiteuthis phyllura, Squid Gonatopsis makko, Squid Gonatus berryi, Squid Gonatus kamtschaticus, Squid Gonatus madokai, Squid Gonatus onyx, Squid Gonatus pyros, Squid Histioteuthis hoylei, Squid Loligo opalescens, Squid Moroteuthis robusta, Squid Octopoteuthis deletron, and Squid Onychoteuthis borealijaponicus. Managed as part of "other species" complex through 2010 (beginning in 2011, squids are managed as a new assemblage). Best F, Flimit, FMSY, and Ftarget represent "other species" complex. SAFE report indicates that the "other species" complex was not subjected to overfishing in 2010. Data are insufficient to determine whether the squid assemblage is overfished or approaching a condition of being overfished.
NPFMC	Alaska Coho Salmon Assemblage	The Alaska Coho Salmon Assemblage consists of coho, sockeye, pink, and chum salmon throughout southeast Alaska. There are 4 indicator stocks of coho salmon that are used to determine the status of the assemblage; these indicator stocks are Auke Creek, Berners River, Ford Arm Lake, 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, rougheye, 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, Pacific rattail, ratfish, soupfin shark, and spiny dogfish.
PFMC	Southern Pacific Coast Minor Nearshore Rockfish Complex	The Southern Pacific Coast Minor Nearshore Rockfish Complex contains the following stocks: Black-and-yellow, China, gopher, grass, kelp, blue, brown, calico, copper, olive, and quillback rockfish; and treefish.
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, stripetail, 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, rougheye, sharpchin, shortraker, and yellowmouth rockfish; and Pacific ocean perch.

Table D. Non-FSSI Endnotes

Jurisdiction	Stock	Footnote
PFMC	Chinook salmon - California Central Valley: Sacramento (fall)	Chinook salmon - California Central Valley: Sacramento (fall) failed to meet its conservation objective for 3 consecutive years in 2007, 2008, and 2009. The PFMC was notified on March 2, 2010 that they are required to develop a rebuilding plan for this stock and have 2 years from this date to implement a plan.
PFMC	Coho salmon - Oregon Production Index Area: 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 Coastal (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	Pink salmon - Puget Sound (odd-numbered years)	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.
SAFMC	Black corals (Antipatharia) - Southern Atlantic Coast	Overfishing determination is pre-SFA. 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	South Atlantic Jacks Complex	The Jacks Complex contains Almaco jack, banded rudderfish, and lesser amberjack.
SAFMC	South Atlantic Deepwater Grouper Complex	The Deepwater Grouper Complex contains black snapper, blackfin snapper, blueline tilefish, misty grouper, Queen snapper, sand tilefish, and silk snapper.
SAFMC	South Atlantic Shallow Water Grouper Complex	The Shallow Water Grouper contains coney, graysby, red hind, rock hind, yellowfin grouper, and yellowmouth grouper.
SAFMC	South Atlantic Snappers Complex	The Snappers Complex contains Cubera snapper, dog snapper, and mahogany snapper.
SAFMC	South Atlantic Grunts Complex	The Grunts Complex contains margate, sailor's choice, and tomtate.
SAFMC	South Atlantic Porgy Complex	The Porgy Complex contains jolthead porgy, knobbed porgy, saucereye porgy, scup, and whitebone porgy.
WPFMC	American Samoa Black Coral Complex	The American Samoa Black Precious Coral Complex contains Antipathes dichotoma, Antipathes grandis and Antipathes ulex.
WPFMC	American Samoa Coral Reef Ecosystem Multi-species Complex	American Samoa Coral Reef Ecosystem Multi-species Complex contains 104 "currently harvested coral reef taxa" and innumerable "potentially harvested coral reef taxa".

Table D. Non-FSSI Endnotes

Jurisdiction	Stock	Footnote
WPFMC	American Samoa Exploratory Area Coral Complex	The American Samoa Exploratory Area Precious Coral Complex contains pink coral (Corallium spp.), gold coral (Gerardia spp. and Narella spp.) and bamboo coral (Acanella spp., Calyptropora spp. and Lepidis olapa).
WPFMC	Spiny lobsters (Panulirus spp.) - American Samoa	Spiny lobsters include two species, Panulirus marginatus and Panulirus penicillatus.
WPFMC	180 Fathom Bank Coral Complex	The 180 Fathom Bank Coral Complex contains pink coral (Corallium spp.), and bamboo coral (Acanella spp., Calyptropora spp. and Lepidis olapa).
WPFMC	Au'Au Bed Black Coral Complex	The Au'au Bed Black Coral Complex contains Antipathes grandis, Antipathes griggi (formerly known as.Antipathes dichotoma), and Antipathes ulex.
WPFMC	Brooks Bank Coral Complex	The Brooks Bank Precious Coral Complex contains pink coral (Corallium spp.), and bamboo coral (Acanella spp., Calyptropora spp. and Lepidis olapa).
WPFMC	Hawaiian Archipelago Exploratory Area Coral Complex	The Hawaii Archipelago Exploratory Area Precious Coral Complex contains pink coral (Corallium spp.), gold coral (Gerardia spp. and Narella spp.) and bamboo coral (Acanella spp., Calyptropora spp. and Lepidis olapa).
WPFMC	Kaena Point Bed Coral Complex	The Kaena Point Bed Coral Complex contains pink coral (Corallium spp.), and bamboo coral (Acanella spp., Calyptropora spp. and Lepidis olapa).
WPFMC	Keahole Bed Coral Complex	The Keahole Bed Precious Coral Complex contains pink coral (Corallium spp.), and bamboo coral (Acanella spp., Calyptropora spp. and Lepidis olapa).
WPFMC	Main Hawaiian Islands Non-Deep 7 Bottomfish Multi-species Complex	The Main Hawaiian Islands Non-Deep 7 Bottomfish Multi-species Complex contains: uku, white ulua, black ulua, taape, yellowtail kalekale, butaguchi, and kahala.
WPFMC	Makapu'u Bed Precious Corals Multi-species Complex	Moratorium on gold coral (Gerardia spp) through June 30, 2013 to prevent overfishing. The coral bed contains up to 12 taxa including Corallium secundum, Corallium regale, Corallium laauense, Gerardia spp., Callogorgia gilberti, Narella spp., Calyptrophora spp., Lepidisis olapa, Acanella spp., Antipathes grandis, Antipathes griggi, and Myriopathes ulex. There has been virtually no fishing for this stock since 2001 and fishing mortality has been virtually zero since then.
WPFMC	Northwest Hawaiian Islands Bottomfish Multi-species Complex	The Northwest Hawaiian Islands Bottomfish Multi-species Complex contains onaga, ehu, gindai, kalekale, opakapaka, lehi, hapuupuu, uku, white ulua, black ulua, taape, yellowtail kalekale, butaguchi, and kahala.
WPFMC	Northwestern Hawaiian Islands Crustacean Complex	The Northwestern Hawaiian Islands Crustacean Complex include Panulirus marginatus (spiny lobster), Panulirus penicillatus (spiny lobster), Family Scyllaridae (slipper lobster), Ranina ranina (Kona crab), and Heterocarpus spp. (deepwater shrimp). Harvest quota for lobster is set at zero for the commercial lobster fishery in Northwest Hawaiian Islands Marine National Monument.
WPFMC	Spiny lobsters (Panulirus spp.) - Main Hawaiian Islands	Spiny lobsters include two species, Panulirus marginatus and Panulirus penicillatus.
WPFMC	Guam Black Coral Complex	The Guam Black Precious Coral Complex contains Antipathes dichotoma, Antipathes grandis and Antipathes ulex.
WPFMC	Guam Coral Reef Ecosystem Multi-species Complex	The Guam Coral Reef Ecosystem Multi-species Complex contains 117 "currently harvested coral reef taxa" and innumerable "potentially harvested coral reef taxa."
WPFMC	Guam Exploratory Area Coral Complex	The Guam Exploratory Area Precious Coral Complex contains pink coral (Corallium spp.), gold coral (Gerardia spp. and Narella spp.) and bamboo coral (Acanella spp., Calyptropora spp. and Lepidis olapa).
WPFMC	Northern Mariana Islands Black Coral Complex	The Northern Mariana Islands Black Precious Coral Complex contains Antipathes dichotoma, Antipathes grandis and Antipathes ulex.
WPFMC	Northern Mariana Islands Bottomfish Multi-species Complex	Northern Mariana Islands Bottomfish Multi-species Complex contains 16 species. Stock assessments are currently made for the multi-species complex. MSY is estimated for deep-water complex only, no MSY for the shallow-water complex.

Table D. Non-FSSI Endnotes

Jurisdiction	Stock	Footnote
WPFMC	Northern Mariana Islands Coral Reef Ecosystem Multi-species Complex	The Northern Mariana Islands Coral Reef Ecosystem Multi-species Complex contains 117 "currently harvested coral reef taxa" and innumerable "potentially harvested coral reef taxa."
WPFMC	Northern Mariana Islands Exploratory Area Coral Complex	The Northern Mariana Islands Exploratory Area Precious Coral Complex contains pink coral (Corallium spp.), gold coral (Gerardia spp. and Narella spp.) and bamboo coral (Acanella spp., Calyptropora spp. and Lepidis olapa).
WPFMC	Tropical Pacific Other Tuna Relatives Complex	The management unit includes Auxis spp. (frigate mackerels), Allothunnus spp. (slender tunas), and Scomber spp. (mackerels).
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 Antipathes dichotoma, Antipathes grandis and Antipathes ulex.
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 Panulirus marginatus (spiny lobster), Panulirus penicillatus (spiny lobster), Family Scyllaridae (slipper lobster), Ranina ranina (Kona crab), and Heterocarpus 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 (Corallium spp.), gold coral (Gerardia spp. and Narella spp.) and bamboo coral (Acanella spp., Calyptropora spp. and Lepidis olapa).

Table E. Ecosystem Component Species

Jurisdiction	FMP	Stock	Species contained in Ecosystem Component Group
PFMC	Coastal Pelagic Species	Ecosystem Component Species	Pacific herring and jacksmelt
PFMC	U.S. West Coast Fisheries for Highly Migratory Species / Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Pacific HMS Ecosystem Component Species Complex	Bigeye thresher and pelagic thresher
NPFMC	Fish Resources of the Arctic Management Area	Arctic Management Area Ecosystem Component Species	Alaska plaice, Alaska tyre 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	Alaska Scallop Ecosystem Component Species Complex	Bering scallop, giant rock scallop, reddish scallop, spiny scallop, and white scallop
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Bank sea bass - Southern Atlantic Coast	Not applicable; single species.
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Cottonwick - Southern Atlantic Coast	Not applicable; single species.
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Longspine porgy - Southern Atlantic Coast	Not applicable; single species.
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Ocean triggerfish - Southern Atlantic Coast	Not applicable; single species.
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Rock sea bass - Southern Atlantic Coast	Not applicable; single species.
SAFMC	Snapper-Grouper Fishery of the South Atlantic Region	Schoolmaster - Southern Atlantic Coast	Not applicable; single species.

Table F. Data Collection Only Species

Jurisdiction	FMP	Stock	Species contained in Data Collection Only Complex
CFMC	Corals and Reef Associated Plants and Invertebrates of Puerto Rico and the United States Virgin Islands	Caribbean Corals and Reef Associated Plants and Invertebrates Data Collection Species Complex	The Caribbean Corals and Reef Associated Plants and Invertebrates Data Collection Species Complex contains fire corals, rose lace corals, encrusting gorgonian, deepwater sea fan, corky sea finger, *Carijoa riisei*, *Telesto* spp., sea whips, Venus sea fan, wide-mesh sea fan, common sea fan, sea plme, *P. albatrossae*, slimy sea plume, bipinnate plume, *P. rigida*, angular sea whip, yellow sea whip, warty sea rod, *E. clavigera*, doughnut sea rod, *E. knighti, E. laciniata, E. laxispica*, swollen-knob, shelf-knob sea rod, *E. touneforti, Muricea atlantica*, orange spiny rod, delicate spiny rod, spiny sea fan, long spine sea fan, *Muriceopsis* spp., rough sea plume, *M. sulphurea*, bent sea rod, black sea rod, slit-pore sea rod, *P. fusifera, P. grandiflora, P. grisea*, giant slit-pore, *Pseudoplexaura crucis, P. glagellosa*, porous sea rod, *P. wagenaari*, 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, wire coral, shoal grass, sea vines, widgeon grass, manatee grass, and turtle grass.
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, Florida smoothhound, fringefin lanternshark, great lanternshark, green lanternshark, Greenland shark
WPFMC	Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem	Western Pacific Squid Complex	Neon flying squid, diamondback squid, and purple flying squid

Table G. Stocks managed under an International Agreement

Jurisdiction	FMP	Stock	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)
IPHC	Species Managed Under International Agreement - IPHC	Pacific halibut - Pacific Coast / Alaska	Undefined	No