

Table A. Summary of Stock Status for FSSI Stocks

FMP	Stock	Jurisdiction	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
Atlantic Herring	Atlantic herring - Northwestern Atlantic Coast	NEFMC	No	No	No	N/A	N/A	0.97	4
Atlantic Sea Scallop	Sea scallop - Northwestern Atlantic Coast	NEFMC	No	No	No	N/A	N/A	1.53	4
Deep-Sea Red Crab	Red deepsea crab - Northwestern Atlantic	NEFMC	No ¹	Unknown	Unknown	N/A	N/A	not estimated	1.5
Northeast Multispecies	Acadian redfish - Gulf of Maine / Georges Bank	NEFMC	No	No - Rebuilding	No	Continue Rebuilding	Year 6 of 47-year plan	0.74	3
Northeast Multispecies	American plaice - Gulf of Maine / Georges Bank	NEFMC	No	Yes ²	N/A	Continue Rebuilding	Year 6 of 10-year plan	0.50	2
Northeast Multispecies	Atlantic cod - Georges Bank	NEFMC	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 6 of 22-year plan	0.10	1
Northeast Multispecies	Atlantic cod - Gulf of Maine	NEFMC	Yes	Yes ²	N/A	Reduce Mortality, Continue Rebuilding	Year 6 of 10-year plan	0.23	1
Northeast Multispecies	Atlantic halibut - Northwestern Atlantic Coast	NEFMC	Unknown ³	Yes	N/A	Continue Rebuilding	Year 6 of Plan ⁴	0.05	0.5
Northeast Multispecies	Haddock - Georges Bank	NEFMC	No	Yes ⁵	N/A	Continue Rebuilding	Year 6 of 10-year plan	0.47	2
Northeast Multispecies	Haddock - Gulf of Maine	NEFMC	No	Yes ²	N/A	Continue Rebuilding	Year 6 of 10-year plan	0.27	2
Northeast Multispecies	Ocean pout - Northwestern Atlantic Coast	NEFMC	No	Yes	N/A	Continue Rebuilding	Year 6 of 10-year plan	0.36	2
Northeast Multispecies	Offshore hake - Northwestern Atlantic Coast	NEFMC	Undefined	No	Unknown	N/A	N/A	not estimated	1.5
Northeast Multispecies	Pollock - Gulf of Maine / Georges Bank	NEFMC	No ⁶	No - Rebuilding ⁶	No	Continue Rebuilding	Year 6 of 10-year plan	0.66	3
Northeast Multispecies	Red hake - Gulf of Maine / Northern Georges Bank	NEFMC	Unknown	No	No	N/A	N/A	1.94	2.5
Northeast Multispecies	Red hake - Southern Georges Bank / Mid-Atlantic	NEFMC	Undefined	No	Unknown	N/A	N/A	0.83	2.5
Northeast Multispecies	Silver hake - Gulf of Maine / Northern Georges Bank	NEFMC	No	No	No	N/A	N/A	0.51	3
Northeast Multispecies	Silver hake - Southern Georges Bank / Mid-Atlantic	NEFMC	No	No	No	N/A	N/A	0.81	4

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	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
Northeast Multispecies	White hake - Gulf of Maine / Georges Bank	NEFMC	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 6 of 10-year plan	0.39	1
Northeast Multispecies	Windowpane - Gulf of Maine / Georges Bank	NEFMC	No ⁷	No ⁷	No	N/A	N/A	0.83	4
Northeast Multispecies	Windowpane - Southern New England / Mid-Atlantic	NEFMC	No ⁸	Yes ⁸	N/A	Continue Rebuilding	Year 6 of 10-year plan	0.21	2
Northeast Multispecies	Winter flounder - Georges Bank	NEFMC	Yes	No ⁹	No	Reduce Mortality	N/A	0.66	2
Northeast Multispecies	Winter flounder - Gulf of Maine	NEFMC	No ¹⁰	No ¹⁰	No	N/A	N/A	0.84	4
Northeast Multispecies	Winter flounder - Southern New England / Mid-Atlantic	NEFMC	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 6 of 10-year plan	0.13	1
Northeast Multispecies	Witch flounder - Northwestern Atlantic Coast	NEFMC	No ⁷	No ⁷	No	N/A	N/A	0.84	4
Northeast Multispecies	Yellowtail flounder - Cape Cod / Gulf of Maine	NEFMC	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 6 of 19-year plan	0.09	1
Northeast Multispecies	Yellowtail flounder - Georges Bank	NEFMC	Yes ¹¹	Yes ¹¹	N/A	Reduce Mortality, Rebuilding Program	Year 4 of 7-year plan	0.27	1
Northeast Multispecies	Yellowtail flounder - Southern New England / Mid-Atlantic	NEFMC	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 6 of 10-year plan	0.01	1
Northeast Skate Complex	Barndoor skate - Georges Bank / Southern New England	NEFMC	No	No - Rebuilding	No	Continue Rebuilding	Year 7 of plan ¹²	0.62	3
Northeast Skate Complex	Clearnose skate - Southern New England / Mid-Atlantic	NEFMC	No	No	No	N/A	N/A	1.35	4
Northeast Skate Complex	Little skate - Georges Bank / Southern New England	NEFMC	No	No	No	N/A	N/A	0.72	3
Northeast Skate Complex	Rosette skate - Southern New England / Mid-Atlantic	NEFMC	No	No	No	N/A	N/A	1.08	4
Northeast Skate Complex	Smooth skate - Gulf of Maine	NEFMC	No	Yes	N/A	Develop Rebuilding Plan	Develop rebuilding plan ¹³	0.45	2
Northeast Skate Complex	Thorny skate - Gulf of Maine	NEFMC	No	Yes	N/A	Continue Rebuilding	Year 7 of plan ¹²	0.10	2
Northeast Skate Complex	Winter skate - Georges Bank / Southern New England	NEFMC	No	No - Rebuilding	No	Develop Rebuilding Plan	Develop rebuilding plan ¹⁴	0.93	3
Monkfish	Monkfish - Gulf of Maine / Northern Georges Bank	NEFMC / MAFMC	No	No	No	N/A	N/A	1.29	4

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	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
Monkfish	Monkfish - Southern Georges Bank / Mid-Atlantic	NEFMC / MAFMC	No	No	No	N/A	N/A	1.11	4
Spiny Dogfish	Spiny dogfish - Atlantic Coast	NEFMC / MAFMC	No	No - Rebuilding ¹⁵	No	Continue Rebuilding	10/5-year plan ¹⁶	not estimated ¹⁷	3
Atlantic Mackerel, Squid and Butterfish	Atlantic mackerel - Gulf of Maine / Cape Hatteras	MAFMC	No	No	No	N/A	N/A	3.57	4
Atlantic Mackerel, Squid and Butterfish	Butterfish - Gulf of Maine / Cape Hatteras	MAFMC	No	Yes	N/A	Rebuilding Program	Under review ¹⁸	0.38	2
Atlantic Mackerel, Squid and Butterfish	Longfin inshore squid - Georges Bank / Cape Hatteras	MAFMC	No	No	No	N/A	N/A	not estimated	3
Atlantic Mackerel, Squid and Butterfish	Northern shortfin squid - Northwestern Atlantic Coast	MAFMC	No ¹⁹	Unknown	Unknown	N/A	N/A	not estimated	1.5
Atlantic Surfclam and Ocean Quahog	Atlantic surfclam - Mid-Atlantic Coast	MAFMC	No	No	No	N/A	N/A	1.30	4
Atlantic Surfclam and Ocean Quahog	Ocean quahog - Atlantic Coast	MAFMC	No	No	No	N/A	N/A	1.62	4
Bluefish	Bluefish - Atlantic Coast	MAFMC	No	No	No	N/A	N/A	1.05	4
Summer Flounder, Scup and Black Sea Bass	Black sea bass - Mid-Atlantic Coast	MAFMC	No	No	No	N/A	N/A	1.03	4
Summer Flounder, Scup and Black Sea Bass	Scup - Atlantic Coast	MAFMC	No	No	No	Rebuilt	N/A	2.04	4
Summer Flounder, Scup and Black Sea Bass	Summer flounder - Mid-Atlantic Coast	MAFMC	No	No - Rebuilding	No	Continue Rebuilding	Year 10 of 13-year plan	0.77	3
Tilefish	Tilefish - Mid-Atlantic Coast	MAFMC	No	No - Rebuilding ²⁰	No	Continue Rebuilding	Year 9 of 10-year plan	1.04	3
Shrimp Fishery of the South Atlantic Region	Brown rock shrimp - Southern Atlantic Coast	SAFMC	No	No	No	N/A	N/A	not estimated	3
Shrimp Fishery of the South Atlantic Region	Brown shrimp - Southern Atlantic Coast	SAFMC	No	No	No	N/A	N/A	3.93	4
Shrimp Fishery of the South Atlantic Region	Pink shrimp - Southern Atlantic Coast	SAFMC	No	Yes ²¹	N/A	Not required ²¹	N/A	0.33	2
Shrimp Fishery of the South Atlantic Region	White shrimp - Southern Atlantic Coast	SAFMC	No	No	No	N/A	N/A	3.58	4
Snapper-Grouper Fishery of the South Atlantic Region	Black grouper - Southern Atlantic Coast	SAFMC	Yes	Unknown	Unknown	Reduce Mortality	N/A	not estimated	0.5

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	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
Snapper-Grouper Fishery of the South Atlantic Region	Black sea bass - Southern Atlantic Coast	SAFMC	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 4 of 10-year plan	0.27	1
Snapper-Grouper Fishery of the South Atlantic Region	Gag - Southern Atlantic Coast	SAFMC	Yes	No	Yes	Reduce Mortality	N/A	0.94	3
Snapper-Grouper Fishery of the South Atlantic Region	Gray triggerfish - Southern Atlantic Coast	SAFMC	No	Unknown	Unknown	N/A	N/A	not estimated	1.5
Snapper-Grouper Fishery of the South Atlantic Region	Greater amberjack - Southern Atlantic Coast	SAFMC	No	No	No	N/A	N/A	1.10	4
Snapper-Grouper Fishery of the South Atlantic Region	Hogfish - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Snapper-Grouper Fishery of the South Atlantic Region	Red grouper - Southern Atlantic Coast	SAFMC	Yes	Unknown	Unknown	Reduce Mortality	N/A	not estimated	0.5
Snapper-Grouper Fishery of the South Atlantic Region	Red porgy - Southern Atlantic Coast	SAFMC	No	Yes	N/A	Continue Rebuilding	Year 10 of 16-year plan	0.66	2
Snapper-Grouper Fishery of the South Atlantic Region	Red snapper - Southern Atlantic Coast	SAFMC	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Develop rebuilding plan ²²	0.03	1
Snapper-Grouper Fishery of the South Atlantic Region	Scamp - Southern Atlantic Coast	SAFMC	No	Unknown	Unknown	N/A	N/A	not estimated	1.5
Snapper-Grouper Fishery of the South Atlantic Region	Snowy grouper - Southern Atlantic Coast	SAFMC	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 4 of 34-year plan	0.18	1
Snapper-Grouper Fishery of the South Atlantic Region	Speckled hind - Southern Atlantic Coast	SAFMC	Yes	Unknown	Unknown	Reduce Mortality	N/A	not estimated	0.5
Snapper-Grouper Fishery of the South Atlantic Region	Tilefish - Southern Atlantic Coast	SAFMC	Yes	No	No	Reduce Mortality	N/A	0.95	3
Snapper-Grouper Fishery of the South Atlantic Region	Vermilion snapper - Southern Atlantic Coast	SAFMC	Yes	No	No	Reduce Mortality	N/A	0.86	3
Snapper-Grouper Fishery of the South Atlantic Region	Warsaw grouper - Southern Atlantic Coast	SAFMC	Yes	Unknown	Unknown	Reduce Mortality	N/A	not estimated	0.5
Snapper-Grouper Fishery of the South Atlantic Region	White grunt - Southern Atlantic Coast	SAFMC	No	Unknown	Unknown	N/A	N/A	not estimated	1.5
Snapper-Grouper Fishery of the South Atlantic Region	Wreckfish - Southern Atlantic Coast	SAFMC	No	Unknown ²³	Unknown	N/A	N/A	not estimated	1.5
Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	Cobia - Gulf of Mexico	SAFMC / GMFMC	No	No	No	N/A	N/A	1.33	4

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	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
Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	King mackerel - Gulf of Mexico	SAFMC / GMFMC	No	No	No	N/A	N/A	1.24	4
Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	King mackerel - Southern Atlantic Coast	SAFMC / GMFMC	No	No	No	N/A	N/A	1.12	4
Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	Little tunny - Gulf of Mexico	SAFMC / GMFMC	No	Undefined	Unknown	N/A	N/A	not estimated	1.5
Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	Spanish mackerel - Gulf of Mexico	SAFMC / GMFMC	No	No	No	N/A	N/A	1.34	4
Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	Spanish mackerel - Southern Atlantic Coast	SAFMC / GMFMC	No	No ²⁴	No	N/A	N/A	1.78	4
Dolphin and Wahoo Fishery of the Atlantic / Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	Dolphinfish - Southern Atlantic Coast / Gulf of Mexico	SAFMC / GMFMC	No	No	No	N/A	N/A	1.56	4
Snapper-Grouper Fishery of the South Atlantic Region / Reef Fish Resources of the Gulf of Mexico	Goliath grouper - Southern Atlantic Coast / Gulf of Mexico	SAFMC / GMFMC	No	Unknown	Unknown	N/A	N/A	not estimated	1.5
Snapper-Grouper Fishery of the South Atlantic Region / Reef Fish Resources of the Gulf of Mexico	Yellowtail snapper - Southern Atlantic Coast / Gulf of Mexico	SAFMC / GMFMC	No	No	No	N/A	N/A	1.21	4
Spiny Lobster in the Gulf of Mexico and South Atlantic	Caribbean spiny lobster - Southern Atlantic Coast / Gulf of Mexico	SAFMC / GMFMC	No	Unknown	Unknown	N/A	N/A	not estimated	1.5
Red Drum Fishery of the Gulf of Mexico	Red drum - Gulf of Mexico	GMFMC	No	Undefined	Unknown	N/A	N/A	not estimated	1.5
Reef Fish Resources of the Gulf of Mexico	Black grouper - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A	not estimated	0

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	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
Reef Fish Resources of the Gulf of Mexico	Gag - Gulf of Mexico	GMFMC	Yes	Yes	N/A	Reduce Mortality Develop Rebuilding Plan	Develop rebuilding plan ²⁵	0.40	1
Reef Fish Resources of the Gulf of Mexico	Gray triggerfish - Gulf of Mexico	GMFMC	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 2 of 6-year plan	0.64	1
Reef Fish Resources of the Gulf of Mexico	Greater amberjack - Gulf of Mexico	GMFMC	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 7 of 10-year plan	0.48	1
Reef Fish Resources of the Gulf of Mexico	Hogfish - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A	not estimated	0
Reef Fish Resources of the Gulf of Mexico	Nassau grouper - Gulf of Mexico	GMFMC	No ²⁶	Undefined	Unknown	N/A	N/A	not estimated	1.5
Reef Fish Resources of the Gulf of Mexico	Red grouper - Gulf of Mexico	GMFMC	No	No	No	N/A	N/A	1.27	4
Reef Fish Resources of the Gulf of Mexico	Red snapper - Gulf of Mexico	GMFMC	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 9 of 32-year plan	0.11	1
Reef Fish Resources of the Gulf of Mexico	Snowy grouper - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A	not estimated	0
Reef Fish Resources of the Gulf of Mexico	Vermilion snapper - Gulf of Mexico	GMFMC	No	No	No	N/A	N/A	1.53	4
Reef Fish Resources of the Gulf of Mexico	Yellowedge grouper - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A	not estimated	0
Shrimp Fishery of the Gulf of Mexico	Brown shrimp - Gulf of Mexico	GMFMC	No	No	No	N/A	N/A	4.74	4
Shrimp Fishery of the Gulf of Mexico	Pink shrimp - Gulf of Mexico	GMFMC	No ²⁷	No	No	N/A	N/A	15.10	3
Shrimp Fishery of the Gulf of Mexico	Royal red shrimp - Gulf of Mexico	GMFMC	No	No	No	N/A	N/A	0.58	3
Shrimp Fishery of the Gulf of Mexico	White shrimp - Gulf of Mexico	GMFMC	No	No	No	N/A	N/A	5.23	4
Stone Crab Fishery of the Gulf of Mexico	Stone crabs (Menippe spp.) - Gulf of Mexico	GMFMC	No	Undefined	Unknown	N/A	N/A	not estimated	1.5
Queen Conch Resources of Puerto Rico and the United States Virgin Islands	Queen conch - Caribbean	CFMC	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 5 of 15-year plan	<<1	1
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Grouper Unit 1 ²⁸	CFMC	Yes ²⁹	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 5 of 25-year plan	<<1	1

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	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
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Grouper Unit 2 ³⁰	CFMC	No ³¹	Yes	N/A	Continue Rebuilding	Year 5 of 30-year plan	<<1	2
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Grouper Unit 4 ³²	CFMC	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 5 of 10-year plan	0.75 (default estimate)	1
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Snapper Unit 1 ³³	CFMC	Yes	No	Yes	Reduce Mortality	N/A	0.75 (default estimate)	2
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Snapper Unit 3 ³⁴	CFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Snapper Unit 4 ³⁵	CFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Spiny Lobster Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean spiny lobster - Caribbean	CFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Coastal Pelagic Species	Jack mackerel - Pacific Coast	PFMC	No	Undefined	Unknown	N/A	N/A	not estimated	1.5
Coastal Pelagic Species	Northern anchovy - Northern Pacific Coast	PFMC	Undefined	Undefined	Unknown	N/A	N/A	not estimated	0
Coastal Pelagic Species	Northern anchovy - Southern Pacific Coast	PFMC	No	Undefined	Unknown	N/A	N/A	not estimated	1.5
Coastal Pelagic Species	Opalescent inshore squid - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Coastal Pelagic Species	Pacific chub mackerel - Pacific Coast	PFMC	No	No	No	N/A	N/A	5.11	4
Coastal Pelagic Species	Pacific sardine - Pacific Coast	PFMC	No	No	No	N/A	N/A	6.50	4
Pacific Coast Groundfish	Arrowtooth flounder - Pacific Coast	PFMC	No ³⁶	No	No	N/A	N/A	1.97	4
Pacific Coast Groundfish	Bank rockfish - California	PFMC	No ³⁶	No	No	N/A	N/A	0.65-0.78	3

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	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
Pacific Coast Groundfish	Black rockfish - Northern Pacific Coast	PFMC	No ³⁶	No	No	N/A	N/A	1.38	4
Pacific Coast Groundfish	Blackgill rockfish - Southern California	PFMC	No ³⁶	No	Unknown	N/A	N/A	1.31	4
Pacific Coast Groundfish	Blue rockfish - California	PFMC	Unknown	No	No	N/A	N/A	0.75	1.5
Pacific Coast Groundfish	Bocaccio - Southern Pacific Coast	PFMC	No ³⁶	No - Rebuilding	No	Continue Rebuilding	Year 10 of 27-year plan	0.70	3
Pacific Coast Groundfish	Brown rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Pacific Coast Groundfish	Cabezon - California	PFMC	No ³⁶	No	No	N/A	N/A	1.17	4
Pacific Coast Groundfish	California scorpionfish - Southern California	PFMC	No ³⁶	No	Unknown	N/A	N/A	2.00	4
Pacific Coast Groundfish	Canary rockfish - Pacific Coast	PFMC	No ³⁶	Yes	N/A	Continue Rebuilding	Year 9 of 63-year plan	0.59	2
Pacific Coast Groundfish	Chilipepper - Southern Pacific Coast	PFMC	No ³⁶	No	No	N/A	N/A	1.78	4
Pacific Coast Groundfish	Cowcod - Southern California	PFMC	No ³⁶	Yes	N/A	Continue Rebuilding	Year 9 of 39-year plan	0.11	2
Pacific Coast Groundfish	Darkblotched rockfish - Pacific Coast	PFMC	No ³⁶	No - Rebuilding	No	Continue Rebuilding	Year 8 of 10-year plan	0.69	3
Pacific Coast Groundfish	Dover sole - Pacific Coast	PFMC	No ³⁶	No	No	N/A	N/A	1.58	4
Pacific Coast Groundfish	English sole - Pacific Coast	PFMC	No ³⁶	No	No	N/A	N/A	2.91	4
Pacific Coast Groundfish	Gopher rockfish - Northern California	PFMC	No ³⁶	No	Unknown	N/A	N/A	2.42	4
Pacific Coast Groundfish	Kelp greenling - Oregon	PFMC	Unknown	No	Unknown	N/A	N/A	1.22	2.5
Pacific Coast Groundfish	Lingcod - Pacific Coast	PFMC	No ³⁶	No	No	N/A	N/A	1.68	4
Pacific Coast Groundfish	Longnose skate - Pacific Coast	PFMC	Unknown	No	No	N/A	N/A	1.65	2.5

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	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
Pacific Coast Groundfish	Longspine thornyhead - Pacific Coast	PFMC	No ³⁶	No	No	N/A	N/A	1.78	4
Pacific Coast Groundfish	Pacific cod - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Pacific Coast Groundfish	Pacific grenadier - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Pacific Coast Groundfish	Pacific hake - Pacific Coast	PFMC	No ³⁶	No	No	N/A	N/A	0.78	3
Pacific Coast Groundfish	Pacific ocean perch - Pacific Coast	PFMC	No ³⁶	No - Rebuilding	No	Continue Rebuilding	Year 10 of 18-year plan	0.71	3
Pacific Coast Groundfish	Pacific sanddab - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Pacific Coast Groundfish	Petrale sole - Pacific Coast	PFMC	No ³⁶	Yes	No	N/A	Develop Rebuilding Plan ³⁷	0.46	2
Pacific Coast Groundfish	Rex sole - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Pacific Coast Groundfish	Rougheye rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Pacific Coast Groundfish	Sablefish - Pacific Coast	PFMC	No ³⁶	No	No	N/A	N/A	0.96	4
Pacific Coast Groundfish	Sand sole - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Pacific Coast Groundfish	Shortbelly rockfish - Pacific Coast	PFMC	No ³⁶	No	No	N/A	N/A	1.67	4
Pacific Coast Groundfish	Shortspine thornyhead - Pacific Coast	PFMC	No ³⁶	No	No	N/A	N/A	1.57	4
Pacific Coast Groundfish	Spiny dogfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Pacific Coast Groundfish	Splitnose rockfish - Pacific Coast	PFMC	No ³⁶	No	No	N/A	N/A	1.60	4
Pacific Coast Groundfish	Starry flounder - Pacific Coast	PFMC	No ³⁶	No	Unknown	N/A	N/A	1.24	4
Pacific Coast Groundfish	Vermilion rockfish - California	PFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Pacific Coast Groundfish	Widow rockfish - Pacific Coast	PFMC	No ³⁶	No - Rebuilding	No	Continue Rebuilding	Year 8 of 14-year plan	0.96	3

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	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
Pacific Coast Groundfish	Yelloweye rockfish - Pacific Coast	PFMC	No ³⁶	Yes	N/A	Continue Rebuilding	Year 7 of 82-year plan	0.51	2
Pacific Coast Groundfish	Yellowtail rockfish - Northern Pacific Coast	PFMC	No ³⁶	No	No	N/A	N/A	1.36	4
U.S. West Coast Fisheries for Highly Migratory Species	Skipjack tuna - Eastern Tropical Pacific ³⁸	PFMC	No	No	No	N/A	N/A	>1	4
U.S. West Coast Fisheries for Highly Migratory Species	Striped marlin - Eastern Tropical Pacific ³⁹	PFMC	No	No	No	N/A	N/A	>1	4
U.S. West Coast Fisheries for Highly Migratory Species	Yellowfin tuna - Eastern Tropical Pacific ⁴⁰	PFMC	Yes	No	No	Reduce Mortality	N/A	1.27	3
U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region	Albacore - North Pacific	PFMC / WPFMC	Unknown ⁴¹	Unknown ⁴¹	Unknown	N/A	N/A	not estimated	0
U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region	Bigeye tuna - Pacific ⁴²	PFMC / WPFMC	Yes	No	No	Reduce Mortality	N/A	0.99 - ETP stock 1.44 - CWP stock ⁴³	2
U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region	Blue shark - Pacific	PFMC / WPFMC	No	No	No	N/A	N/A	1.11	4
U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region	Dolphinfish - Pacific	PFMC / WPFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region	Pacific bluefin tuna - Pacific	PFMC / WPFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region	Swordfish - North Pacific	PFMC / WPFMC	No	No	No	N/A	N/A	1.75	4
Pelagic Fisheries of the Western Pacific Region	Albacore - South Pacific	WPFMC	No	No	No	N/A	N/A	1.69	4

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	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
Pelagic Fisheries of the Western Pacific Region	Blue marlin - Pacific	WPFMC	No	No	No	N/A	N/A	1.40	4
Pelagic Fisheries of the Western Pacific Region	Kawakawa - Tropical Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Pelagic Fisheries of the Western Pacific Region	Opah - Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Pelagic Fisheries of the Western Pacific Region	Shortbill spearfish - Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Pelagic Fisheries of the Western Pacific Region	Skipjack tuna - Central Western Pacific ³⁸	WPFMC	No	No	No	N/A	N/A	3.00	4
Pelagic Fisheries of the Western Pacific Region	Striped marlin - Central Western Pacific ³⁹	WPFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Pelagic Fisheries of the Western Pacific Region	Wahoo - Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Pelagic Fisheries of the Western Pacific Region	Yellowfin tuna - Central Western Pacific ⁴⁰	WPFMC	No	No	No	N/A	N/A	1.57	4
Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region	American Samoa Bottomfish Multi-species Complex ⁴⁴	WPFMC	No	No	No	N/A	N/A	1.75	4
Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region	Guam Bottomfish Multi-species Complex ⁴⁴	WPFMC	No	No	No	N/A	N/A	1.56	4
Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region	Hancock Seamount Groundfish Complex ⁴⁵	WPFMC	Unknown	Yes* ⁴⁶	N/A	Continue Rebuilding	Year 10 of plan ⁴⁷	not estimated	0.5
Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region	Hawaiian Archipelago Bottomfish Multi-species Complex ⁴⁴	WPFMC	No	No	Unknown	N/A	N/A	1.13	4
Coral Reef Ecosystem of the Western Pacific Region	Bigeye scad - Hawaiian Archipelago	WPFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Coral Reef Ecosystem of the Western Pacific Region	Hawaiian Archipelago Coral Reef Ecosystem Multi-species Complex ⁴⁸	WPFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Coral Reef Ecosystem of the Western Pacific Region	Mackerel scad - Hawaiian Archipelago	WPFMC	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	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
Bering Sea/Aleutian Islands King and Tanner Crabs	Blue king crab - Pribilof Islands	NPFMC	No ⁴⁹	Yes	N/A	Continue Rebuilding	Year 6 of 10-year plan	0.03	2
Bering Sea/Aleutian Islands King and Tanner Crabs	Blue king crab - Saint Matthews Island	NPFMC	No ⁴⁹	Rebuilt	No	N/A	Rebuilt	1.34	4
Bering Sea/Aleutian Islands King and Tanner Crabs	Golden king crab - Aleutian Islands	NPFMC	No	Undefined	Unknown	N/A	N/A	not estimated	1.5
Bering Sea/Aleutian Islands King and Tanner Crabs	Red king crab - Bristol Bay	NPFMC	No	No	No	N/A	N/A	1.28	4
Bering Sea/Aleutian Islands King and Tanner Crabs	Red king crab - Norton Sound	NPFMC	No	No	No	N/A	N/A	1.89	4
Bering Sea/Aleutian Islands King and Tanner Crabs	Red king crab - Pribilof Islands	NPFMC	No ⁴⁹	No	N/A	N/A	N/A	1.25	4
Bering Sea/Aleutian Islands King and Tanner Crabs	Red king crab - Western Aleutian Islands	NPFMC	No	Undefined	Unknown	N/A	N/A	not estimated	1.5
Bering Sea/Aleutian Islands King and Tanner Crabs	Snow crab - Bering Sea	NPFMC	No	No - Rebuilding	No	Continue Rebuilding	Year 10 of 10-year plan	0.74	3
Bering Sea/Aleutian Islands King and Tanner Crabs	Southern Tanner crab - Bering Sea	NPFMC	No	No	Yes	N/A	N/A	0.62	3
Groundfish of the Bering Sea and Aleutian Islands Management Area	Alaska plaice - Bering Sea / Aleutian Islands	NPFMC	No	No	No	N/A	N/A	2.45	4
Groundfish of the Bering Sea and Aleutian Islands Management Area	Atka mackerel - Aleutian Islands	NPFMC	No	No	No	N/A	N/A	1.37	4
Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Arrowtooth Flounder Complex ⁵⁰	NPFMC	No	No	No	N/A	N/A	3.08	4
Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Blackspotted and Rougheye Rockfish Complex ⁵¹	NPFMC	No	No	No	N/A	N/A	1.11	4
Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Flathead Sole Complex ⁵²	NPFMC	No	No	No	N/A	N/A	2.02	4
Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Rock Sole Complex ⁵³	NPFMC	No	No	No	N/A	N/A	2.00	4

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	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
Groundfish of the Bering Sea and Aleutian Islands Management Area	Greenland halibut - Bering Sea / Aleutian Islands	NPFMC	No	No	No	N/A	N/A	2.12	4
Groundfish of the Bering Sea and Aleutian Islands Management Area	Northern rockfish - Bering Sea / Aleutian Islands	NPFMC	No	No	No	N/A	N/A	1.41	4
Groundfish of the Bering Sea and Aleutian Islands Management Area	Pacific cod - Bering Sea / Aleutian Islands	NPFMC	No	No	No	N/A	N/A	1.04	4
Groundfish of the Bering Sea and Aleutian Islands Management Area	Pacific ocean perch - Bering Sea / Aleutian Islands	NPFMC	No	No	No	N/A	N/A	1.24	4
Groundfish of the Bering Sea and Aleutian Islands Management Area	Walleye pollock - Aleutian Islands	NPFMC	No	No	No	N/A	N/A	0.90	4
Groundfish of the Bering Sea and Aleutian Islands Management Area	Walleye pollock - Eastern Bering Sea	NPFMC	No	No	No	N/A	N/A	0.62	3
Groundfish of the Bering Sea and Aleutian Islands Management Area	Yellowfin sole - Bering Sea / Aleutian Islands	NPFMC	No	No	No	N/A	N/A	1.82	4
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 ⁵⁴	NPFMC	No	No	No	N/A	N/A	1.04	4
Groundfish of the Gulf of Alaska	Arrowtooth flounder - Gulf of Alaska	NPFMC	No	No	No	N/A	N/A	2.98	4
Groundfish of the Gulf of Alaska	Flathead sole - Gulf of Alaska	NPFMC	No	No	No	N/A	N/A	2.75	4
Groundfish of the Gulf of Alaska	Gulf of Alaska Blackspotted and Rougheye Rockfish Complex ⁵¹	NPFMC	No	No	No	N/A	N/A	1.51	4
Groundfish of the Gulf of Alaska	Gulf of Alaska Deepwater Flatfish Complex ⁵⁵	NPFMC	No	No	No	N/A	N/A	2.58	4

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	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
Groundfish of the Gulf of Alaska	Gulf of Alaska Demersal Shelf Rockfish Complex ⁵⁶	NPFMC	No	Undefined	Unknown	N/A	N/A	not estimated	1.5
Groundfish of the Gulf of Alaska	Gulf of Alaska Pelagic Shelf Rockfish Complex ⁵⁷	NPFMC	No	No	No	N/A	N/A	1.56	4
Groundfish of the Gulf of Alaska	Gulf of Alaska Thornyhead Rockfish Complex ⁵⁸	NPFMC	No	Undefined	Unknown	N/A	N/A	not estimated	1.5
Groundfish of the Gulf of Alaska	Northern rockfish - Western / Central Gulf of Alaska	NPFMC	No	No	No	N/A	N/A	1.65	4
Groundfish of the Gulf of Alaska	Pacific cod - Gulf of Alaska	NPFMC	No	No	No	N/A	N/A	1.12	4
Groundfish of the Gulf of Alaska	Pacific ocean perch - Gulf of Alaska	NPFMC	No	No	No	N/A	N/A	1.38	4
Groundfish of the Gulf of Alaska	Rex sole - Gulf of Alaska	NPFMC	No	No	No	N/A	N/A	2.69	4
Groundfish of the Gulf of Alaska	Walleye pollock - Western / Central Gulf of Alaska	NPFMC	No	No	No	N/A	N/A	0.84	4
Consolidated Atlantic Highly Migratory Species	Albacore - North Atlantic	HMS	Yes	Yes	N/A	Reduce Mortality, Rebuilding Program	Year 3 of plan	0.62	1
Consolidated Atlantic Highly Migratory Species	Atlantic Large Coastal Shark Complex ⁵⁹	HMS	Unknown	Unknown	Unknown	N/A	N/A ⁶⁰	not estimated	0
Consolidated Atlantic Highly Migratory Species	Atlantic sharpnose shark - Atlantic ⁶¹	HMS	No	No	No	N/A	N/A	1.35	4
Consolidated Atlantic Highly Migratory Species	Atlantic Small Coastal Shark Complex ⁶²	HMS	No	No	No	N/A	N/A	1.69	4
Consolidated Atlantic Highly Migratory Species	Bigeye tuna - Atlantic	HMS	No	No - Rebuilding	No	Continue Rebuilding	Year 11 of plan ⁶³	0.92	3
Consolidated Atlantic Highly Migratory Species	Blacknose shark - Atlantic ⁶¹	HMS	Yes	Yes	N/A	Reduce Mortality, Rebuilding Program	Develop rebuilding plan ⁶⁴	0.48	1
Consolidated Atlantic Highly Migratory Species	Blacktip shark - Gulf of Mexico ⁶⁵	HMS	No	No	No	N/A	N/A	2.56	4
Consolidated Atlantic Highly Migratory Species	Blacktip shark - South Atlantic ⁶⁵	HMS	Unknown	Unknown	Unknown	N/A	N/A	not estimated	0
Consolidated Atlantic Highly Migratory Species	Blue marlin - North Atlantic	HMS	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 11 of plan ⁶⁶	not estimated	1
Consolidated Atlantic Highly Migratory Species	Blue shark - Atlantic ⁶⁷	HMS	No	No	No	N/A	N/A	1.87-2.74	4

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	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
Consolidated Atlantic Highly Migratory Species	Bluefin tuna - Western Atlantic	HMS	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 11 of 19-year plan	0.57 (0.46-0.70) LRS 0.14 (0.08-0.21) HRS	1
Consolidated Atlantic Highly Migratory Species	Bonnethead - Atlantic ⁶¹	HMS	No	No	No	N/A	N/A	0.83	4
Consolidated Atlantic Highly Migratory Species	Dusky shark - Atlantic	HMS	Yes	Yes	N/A	Reduce Mortality, Rebuilding Program	year 2 of 100 to 400-year plan ⁶⁸	0.22	1
Consolidated Atlantic Highly Migratory Species	Finetooth shark - Atlantic ⁶¹	HMS	No	No	No	N/A	N/A	1.80	4
Consolidated Atlantic Highly Migratory Species	Porbeagle - Atlantic ⁶⁷	HMS	No	Yes	N/A	Continue Rebuilding	year 2 of 100-year plan ⁶⁹	0.15-0.32	2
Consolidated Atlantic Highly Migratory Species	Sailfish - Western Atlantic	HMS	Yes	No - Rebuilding	N/A	Reduce Mortality, Continue Rebuilding	Year 11 of plan ⁷⁰	> 75%Bmsy	2
Consolidated Atlantic Highly Migratory Species	Sandbar shark - Atlantic ⁶⁵	HMS	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 3 of 66-year plan	0.72	1
Consolidated Atlantic Highly Migratory Species	Shortfin mako - Atlantic ⁶⁷	HMS	Yes	No	Yes	Reduce Mortality	N/A	0.48-3.77	3
Consolidated Atlantic Highly Migratory Species	Swordfish - North Atlantic	HMS	No	Rebuilt	N/A	N/A	Rebuilt	1.05	4
Consolidated Atlantic Highly Migratory Species	Yellowfin tuna - Western Atlantic	HMS	No	No	Yes	N/A	N/A	0.96	4
Consolidated Atlantic Highly Migratory Species	White marlin - North Atlantic	HMS	Yes	Yes	N/A	Reduce Mortality, Continue Rebuilding	Year 11 of plan ⁶⁶	not estimated	1

TOTAL FSSI SCORE 573

National Marine Fisheries Service - 4th Quarter 2009

*Pre-SFA Rebuilding Plan with no timeline defined.

**The overfished definition for this stock is pre-SFA.

1. Although the red crab stock is currently listed as not subject to overfishing and unknown for overfished, the most recent assessment (SAW 43) concluded that overfishing and overfished status were both unknown, that reference points were uncertain and unreliable, and they should be revisited in a future assessment. Nevertheless, the status of this stock with respect to fishing mortality rate and biomass level was not changed in this report.
2. This stock is currently considered overfished. However, based on GARM III results (published in September, 2008) the status will change to not overfished if the GARM III results are incorporated into the Multispecies FMP. The final results of the GARM III are considered best scientific information available for management of the multispecies stocks. However, incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
3. The stock is currently considered unknown with respect to the overfishing status. However, based on GARM III results (published in September, 2008) the status will change to not subject to overfishing if the GARM III results are incorporated into the Multispecies FMP. Incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
4. Based on the most recent review in the Groundfish Assessment Review Meeting III (GARM), Amendment 13 information, and draft Amendment 16 information, there is improved information for the stock and an analysis that has a rebuilding time estimate.
5. This stock is currently considered overfished. However, based on GARM III results (published in September, 2008) the status will change to not overfished and rebuilt if the GARM III results are incorporated into the Multispecies FMP. The final results of the GARM III are considered best scientific information available for management of the multispecies stocks. However, incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
6. This stock is considered not subject to overfishing and not overfished. However, based on GARM III results (published in September, 2008) the status will change to approaching an overfished condition if the GARM III results are incorporated into the Multispecies FMP. The final results of the GARM III are considered best scientific information available for management of the multispecies stocks. However, incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
7. This stock is considered to be not subject to overfishing and not overfished. However, based on GARM III results (published in September, 2008) the status will change to subject to overfishing and overfished if the GARM III results are incorporated into the Multispecies FMP. The final results of the GARM III are considered best scientific information available for management of the multispecies stocks. However, incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
8. This stock is currently considered overfished and not subject to overfishing. However, based on GARM III results (published in September, 2008) the status will change to not overfished and subject to overfishing if the GARM III results are incorporated into the Multispecies FMP. The final results of the GARM III are considered best scientific information available for management of the multispecies stocks. However, incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
9. This stock is considered subject to overfishing and not overfished. However, based on GARM III results (published in September, 2008) the overfishing status will remain the same and the overfished status will change to overfished if the GARM III results are incorporated into the Multispecies FMP. The final results of the GARM III are considered best scientific information available for management of the multispecies stocks. However, incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
10. Although the Gulf of Maine Winter Flounder stock is currently listed as not experiencing "overfishing", and not "overfished" the most recent assessment (GARM III) was not able to precisely determine stock status. While the assessment model was rejected, the review panel concluded that it is likely the stock is below Bmsy, with a substantial probability that it may be below 1/2 Bmsy. Nevertheless, the status of this stock with respect to fishing mortality rate was not changed in this report.
11. This stock is considered subject to overfishing and overfished. However, based on the TRAC Status Report 2009/03 (published in June 2009), the status may change in 2010. Although the assessment did not include stock status determinations, NMFS believes that the data suggest that the stock is not subject to overfishing, but may be overfished. However, there is more uncertainty in the assessment than previous assessments due to the survey data. The final results of the TRAC are considered best scientific information available for management of the multispecies stocks. However, incorporation of the results into the FMP is not expected until early 2010, through Amendment 16 to the FMP.
12. 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.
13. The Northeast Regional Office notified the New England Fishery Management Council (NEFMC) on July 21, 2008 that this stock is overfished. The NEFMC has been working on a rebuilding plan for winter skate since then.
14. The New England Fishery Management Council (NEFMC) was notified by the Northeast Regional Office on February 20, 2007 that this stock is overfished. The NEFMC has been working on a rebuilding plan for winter skate since then.
15. Although there is no Btarget identified for this stock, there is an approved minimum biomass threshold; based on this approved threshold, the biomass estimates indicate the stock is not overfished.
16. Although the 5-year rebuilding plan for spiny dogfish expired on 2/10/05, this stock continues to be managed conservatively through low fishing mortality rates and no directed fishery.
17. There is currently no Btarget or Bmsy identified for this stock. The MAFMC and the NEFMC voted at their last meetings to initiate a framework action to update the status determination criteria in the FMP (which would include adding a value for Bmsy). This could be implemented in 2009.
18. A rebuilding plan for butterfish is scheduled for implementation in early 2010.

National Marine Fisheries Service - 4th Quarter 2009

19. Although the *Illex* stock is currently listed as overfishing not occurring, the most recent stock assessment (SAW42) was not able to precisely determine current exploitation rates or stock biomass. Nevertheless, the status of this stock with respect to fishing mortality rate and biomass level was not changed in this report.
20. Although the most recent B/Bmsy = 1.04, this stock has not been declared rebuilt. SARC 48 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.*
21. Gulf of Mexico pink shrimp was determined to be overfished because the 2008 stock assessment estimated the parent stock levels to be less than 1/2 Bmsy. However, since shrimp are essentially an "annual crop", it would not be appropriate to develop a rebuilding plan for this stock.
22. The Southeast Regional Office notified the South Atlantic Fishery Management Council (SAFMC) on July 8, 2008 that this stock is overfished and subject to overfishing. The SAFMC is currently working on a rebuilding plan for red snapper.
23. Although the overfished determination is not known, landings are at extremely low levels and there are only two participants in the fishery.
24. The most recent Spanish mackerel assessment (2008) concluded the species was not experiencing overfishing but overfished status was unknown. The most recent known determination of not overfished is based on the 2003 stock assessment.
25. The Southeast Regional Office notified the Gulf of Mexico Fishery Management Council (GMFMC) on August 11, 2009 that this stock is overfished. The GMFMC has two years from this date to implement a rebuilding plan for gag - Gulf of Mexico.
26. Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
27. The 2008 stock assessment, which concluded the stock was subject to overfishing, has been rejected, upon further review. This review determined that it was not presently possible to reach a valid conclusion regarding the abundance of pink shrimp relative to overfishing levels using the current modeling approach. Until a new assessment can be conducted, the determination of "not subject to overfishing" is based on the results of the 2007 stock assessment.
28. This unit (Grouper Unit 1) is part of the Caribbean Reef Fish FMU and is composed of Nassau grouper.
29. 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. The overfishing status is pending review, based on this closure.
30. This unit (Grouper Unit 2) is part of the Caribbean Reef Fish FMU and is composed of Goliath grouper.
31. Fishery in the EEZ and territorial waters of the USVI is closed; therefore, fishing mortality is very low.
32. This unit (Grouper Unit 4) is part of the Caribbean Reef Fish FMU and is composed of red, misty, tiger, yellowedge, and yellowfin grouper; yellowfin grouper is the indicator species for the unit. A stock assessment was attempted on yellowfin grouper in 2007 through SEDAR 14. Data were not adequate to assess the species. The Council's SSC will review the assessment in 2008.
33. This unit (Snapper Unit 1) is part of the Caribbean Reef Fish FMU and is composed of silk, black, vermilion, and blackfin snapper; silk snapper is the indicator species for this unit.
34. This unit (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. A stock assessment was attempted on mutton snapper in 2007 through SEDAR 14. Data were not adequate to assess the species. The Council's SSC will review the assessment in 2008.
35. This unit (Snapper Unit 4) is part of the Caribbean Reef Fish FMU and is composed of yellowtail snapper.
36. Evaluation of overfishing based on the 2008 calendar year.
37. Petrale sole was declared overfished in Quarter 4 2009. The Pacific Fishery Management Council will begin preparing a rebuilding plan for this stock.
38. 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.

National Marine Fisheries Service - 4th Quarter 2009

39. 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
40. 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. The determination of no overfishing for the WCPO stock is based on the latest (2007) point estimate of $F_{current}/F_{msy} = 0.95$, which indicates that the estimate of current F is very close to F_{msy} . Consideration of the uncertainty in that estimate indicates that there is a substantial (47%) likelihood that current F is actually greater than F_{msy} . This estimate was obtained from an assessment published by the Western and Central Pacific Fisheries Commission. The determination of overfishing of the stock in the Eastern Pacific Ocean is based on the latest (May 2007) estimate of $F_{current}/F_{msy}=0.96$. This estimate is provided by research by the Inter-American Tropical Tuna Commission indicating that the probability of $F_{current}$ being greater than
41. The status of Albacore - North Pacific is based on a suite of FMSY proxies ($F_{40\%}$, $F_{30\%}$ and $F_{0.1}$), 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/F_{MSY} 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/B_{MSY} 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).
42. The status of bigeye tuna in the Pacific Ocean has typically been assessed for two separate regions, the eastern Pacific Ocean (EP) and the central and western Pacific Ocean (CWP). That approach is based on the areas of authority and interest of the regional fishery management organizations, particularly the Inter-American Tropical Tuna Commission in the EP and the Western and Central Pacific Fisheries Commission in the CWP and assumed population structure of bigeye tuna in the Pacific (which is not well known).
43. The Southwest Region requested that an additional point not be added to the FSSI score for these stocks, despite the fact that B/B_{msy} is greater than 0.8 for the following reasons: 1) uncertainty of the population structure of bigeye tuna in the Pacific; 2) continued overfishing; and 3) lack of international cooperation.
44. 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. Assessments are made for multi-species stock complexes, one complex for each of the Hawaiian Archipelago, American Samoa, and Guam.
45. This stock complex uses pelagic armorhead as the indicator species of a three-species seamount groundfish complex that includes raftfish and alfonsin.
46. 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.
47. 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. The current moratorium is effective until 2010. These moratoria have been treated by NMFS as a de facto rebuilding plan, and previous versions of this report referred to the cumulative period of these moratoria as the time period for rebuilding. The WPFMC is currently considering more permanent conservation and management measures for this stock complex.
48. This complex contains up to 146 "currently harvested coral reef taxa" and innumerable "potentially harvested coral reef taxa."
49. Fishery in the EEZ is closed; therefore, fishing mortality is very low.
50. Arrowtooth Flounder consists of Arrowtooth Flounder and Kamchatka Flounder. Arrowtooth Flounder 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.
51. 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.
52. 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.
53. 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.
54. 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.

National Marine Fisheries Service - 4th Quarter 2009

55. The Deep Water Flatfish Complex consists of the following stocks: Deepsea Sole, Dover Sole, and Greenland Turbot. The overfished determination is based on Dover Sole as an indicator species; the overfishing determination is based on the OFL, which is computed by using the dover sole assessment combined with abundance estimates for the remainder of the complex.
56. 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.
57. The Pelagic Shelf Rockfish Complex consists of the following stocks: Dark Rockfish, Dusky Rockfish, Widow Rockfish, and Yellowtail Rockfish. The overfished determination is based on Dusky Rockfish as an indicator species; the overfishing determination is based on the OFL, which is computed by using the dusky rockfish assessment combined with abundance estimates for the remainder of the complex.
58. 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.
59. In addition to Sandbar Shark, Gulf of Mexico Blacktip Shark, and Atlantic Blacktip Shark, the Large Coastal Shark Complex also consists of additional stocks including Spinner Shark, Silky Shark, Bull Shark, Tiger Shark, Lemon Shark, Nurse Shark, Scalloped Hammerhead 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.
60. In 2006, NMFS received several stock assessments that changed the status of the LCS complex and several species within the complex. The LCS complex as a whole currently has a status of unknown and does not require a rebuilding plan. NMFS maintained the rebuilding plan for the LCS complex in order to ensure some management remained on the overfished species within the complex. With the creation of individual rebuilding plans for the overfished species within the complex in July 2008, NMFS now removes the rebuilding plan for the LCS complex as a whole.
61. This stock is part of the Small Coastal Shark Complex, but is assessed separately.
62. In addition to Finetooth Shark, Atlantic Sharpnose Shark, Blacknose Shark, and Bonnethead Shark, 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.
63. For the overfished Atlantic bigeye tuna, the 1999 HMS FMP established the foundation to develop an international 10-year rebuilding program. While steps have been taken internationally to pursue recovery of this 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 SCRS conducted an assessment of bigeye tuna in 2007.
64. This stock was formally declared overfished in May 2008. The Highly Migratory Species Division has one year from this date to develop a rebuilding plan for blacknose shark.
65. This stock is part of the Large Coastal Shark Complex, but is assessed separately.
66. 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 has been implemented, 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.
67. This stock is part of the Pelagic Shark Complex, but is assessed separately.
68. 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. The rebuilding plan for LCS, of which dusky sharks were a part, was implemented by the 2003 Amendment. A rebuilding plan for dusky sharks will be implemented in an upcoming Amendment estimated to be finalized in 2008. Until the new Amendment is in place, dusky sharks will be managed according to the 2003 Amendment and under the current rebuilding plan.
69. 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.
70. 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.

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

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Atlantic Salmon	Atlantic salmon - Gulf of Maine	NEFMC	No	Yes	N/A	Rebuild - ESA listed	not required ¹
Coral, Coral Reefs and Live/Hard Bottom Habitats of the South Atlantic Region	Black corals (Antipatharia) - Southern Atlantic Coast	SAFMC	No* ²	Undefined	Unknown	N/A	N/A
Coral, Coral Reefs and Live/Hard Bottom Habitats of the South Atlantic Region	Fire corals (Milleporidae) - Southern Atlantic Coast	SAFMC	No* ²	Undefined	Unknown	N/A	N/A
Coral, Coral Reefs and Live/Hard Bottom Habitats of the South Atlantic Region	Hydrocorals (Stylasteridae) - Southern Atlantic Coast	SAFMC	No* ²	Undefined	Unknown	N/A	N/A
Coral, Coral Reefs and Live/Hard Bottom Habitats of the South Atlantic Region	Soft corals (Octocorallia) - Southern Atlantic Coast	SAFMC	No* ²	Undefined	Unknown	N/A	N/A
Coral, Coral Reefs and Live/Hard Bottom Habitats of the South Atlantic Region	Stony corals (Scleractinia) - Southern Atlantic Coast	SAFMC	No* ²	Undefined	Unknown	N/A	N/A
Golden Crab Fishery of the South Atlantic Region	Golden deepsea crab - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Golden Crab Fishery of the South Atlantic Region	Jonah crab - Southern Atlantic Coast	SAFMC	Undefined	Undefined	Unknown	N/A	N/A
Golden Crab Fishery of the South Atlantic Region	Red deepsea crab - Southern Atlantic Coast	SAFMC	Undefined	Undefined	Unknown	N/A	N/A
Pelagic Sargassum Habitat of the South Atlantic Region	Sargassum - Southern Atlantic Coast	SAFMC	No ³	No ³	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Almaco jack - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Atlantic spadefish - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Banded rudderfish - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Bank sea bass - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Bar jack - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Snapper-Grouper Fishery of the South Atlantic Region	Black margate - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Black snapper - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Blackfin snapper - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Blue runner - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Blueline tilefish - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Bluestriped grunt - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Coney - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Cottonwick - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Creville jack - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Cubera snapper - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Dog snapper - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	French grunt - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Grass porgy - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Gray snapper - Southern Atlantic Coast	SAFMC	No	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Graysby - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Jolthead porgy - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Knobbed porgy - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Lane snapper - Southern Atlantic Coast	SAFMC	No	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Lesser amberjack - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Snapper-Grouper Fishery of the South Atlantic Region	Longspine porgy - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Mahogany snapper - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Margate - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Misty grouper - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Nassau grouper - Southern Atlantic Coast	SAFMC	No ²	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Ocean triggerfish - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Porkfish - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Puddingwife - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Queen snapper - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Queen triggerfish - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Red hind - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Rock hind - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Rock sea bass - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Sailors choice - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Sand tilefish - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Saucereye porgy - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Schoolmaster - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Scup - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Sheepshead - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Snapper-Grouper Fishery of the South Atlantic Region	Silk snapper - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Smallmouth grunt - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Spanish grunt - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Tiger grouper - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Tomtate - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Whitebone porgy - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Yellow jack - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Yellowedge grouper - Southern Atlantic Coast	SAFMC	No	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Yellowfin grouper - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region	Yellowmouth grouper - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Dolphin and Wahoo Fishery of the Atlantic	Wahoo - Southern Atlantic Coast	SAFMC	Unknown	Unknown	Unknown	N/A	N/A
Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	Cero - Southern Atlantic Coast / Gulf of Mexico	SAFMC / GMFMC	Unknown	Unknown	Unknown	N/A	N/A
Snapper-Grouper Fishery of the South Atlantic Region / Reef Fish Resources of the Gulf of Mexico	Mutton snapper - Southern Atlantic Coast / Gulf of Mexico	SAFMC / GMFMC	No	No	No	N/A	N/A
Spiny Lobster in the Gulf of Mexico and South Atlantic	Ridged slipper lobster - Gulf of Mexico	SAFMC / GMFMC	Undefined	Undefined	Unknown	N/A	N/A
Coastal Migratory Pelagic Resources of the Gulf of Mexico and South Atlantic	Bluefish - Gulf of Mexico	GMFMC	Unknown	Unknown	Unknown	N/A	N/A
Coral and Coral Reefs of the Gulf of Mexico	Black corals (Antipatharia) - Gulf of Mexico	GMFMC	No* ²	Undefined	Unknown	N/A	N/A
Coral and Coral Reefs of the Gulf of Mexico	Fire corals (Milleporidae) - Gulf of Mexico	GMFMC	No* ²	Undefined	Unknown	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Coral and Coral Reefs of the Gulf of Mexico	Hydrocorals (Stylasteridae) - Gulf of Mexico	GMFMC	No* ²	Undefined	Unknown	N/A	N/A
Coral and Coral Reefs of the Gulf of Mexico	Soft corals (Octocorallia) - Gulf of Mexico	GMFMC	No* ²	Undefined	Unknown	N/A	N/A
Coral and Coral Reefs of the Gulf of Mexico	Stony corals (Scleractinia) - Gulf of Mexico	GMFMC	No* ²	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Almaco jack - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Anchor tilefish - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Banded rudderfish - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Blackfin snapper - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Blackline tilefish - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Blueline tilefish - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Cubera snapper - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Dog snapper - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Dwarf sand perch - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Goldface tilefish - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Gray snapper - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Lane snapper - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Lesser amberjack - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Mahogany snapper - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Misty grouper - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Queen snapper - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Reef Fish Resources of the Gulf of Mexico	Red hind - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Rock hind - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Sand perch - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Scamp - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Schoolmaster - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Silk snapper - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Speckled hind - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Tilefish - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Warsaw grouper - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Wenchman - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Yellowfin grouper - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Reef Fish Resources of the Gulf of Mexico	Yellowmouth grouper - Gulf of Mexico	GMFMC	Unknown	Undefined	Unknown	N/A	N/A
Shrimp Fishery of the Gulf of Mexico	Brown rock shrimp - Gulf of Mexico	GMFMC	No*	No	No	N/A	N/A
Shrimp Fishery of the Gulf of Mexico	Seabob - Gulf of Mexico	GMFMC	Undefined	Undefined	Unknown	N/A	N/A
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Angelfishes Complex ⁴	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Boxfishes Complex ⁵	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Goatfishes Complex ⁶	CFMC	Unknown	Unknown	Unknown	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Grouper Unit 3 ⁷	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Grunts Complex ⁸	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Jacks Complex ⁹	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Parrotfishes Complex ¹⁰	CFMC	Yes	No	Yes	Reduce Mortality	N/A
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Porgies Complex ¹¹	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Snapper Unit 2 ¹²	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Squirrelfishes Complex ¹³	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Surgeonfishes Complex ¹⁴	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Tilefishes Complex ¹⁵	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Triggerfishes and Filefishes Complex ¹⁶	CFMC	Unknown	Unknown	Unknown	N/A	N/A
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Wrasses Complex ¹⁷	CFMC	Unknown	Unknown	Unknown	N/A	N/A
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 ¹⁸	CFMC			N/A	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Queen Conch Resources of Puerto Rico and the United States Virgin Islands	Caribbean Conch Data Collection Species Complex ¹⁹	CFMC			N/A	N/A	N/A
Shallow Water Reef Fish Fishery of Puerto Rico and the U.S. Virgin Islands	Caribbean Aquarium Trade Species Complex ²⁰	CFMC			N/A	N/A	N/A
Pacific Coast Groundfish	Aurora rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Big skate - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Black rockfish - Southern Pacific Coast	PFMC	No	No	No	N/A	N/A
Pacific Coast Groundfish	Black-and-yellow rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Bronzespotted rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Butter sole - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Calico rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	California skate - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Chameleon rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	China rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Copper rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Curlfin sole - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Dusky rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Dwarf red rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Flag rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Flathead sole - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Freckled rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Grass rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Greenblotched rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Pacific Coast Groundfish	Greenspotted rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Greenstriped rockfish - Pacific Coast	PFMC	Unknown	No	No	N/A	N/A
Pacific Coast Groundfish	Halfbanded rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Harlequin rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Honeycomb rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Kelp rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Leopard shark - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Mexican rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Olive rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Pacific flatnose - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Pink rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Pinkrose rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Pygmy rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Quillback rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Redbanded rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Redstripe rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Rock sole - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Rosethorn rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Rosy rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Sharpchin rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Shortraker rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Silvergray rockfish - Pacific Coast	PFMC	No	Unknown	Unknown	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Pacific Coast Groundfish	Speckled rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Spotted ratfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Squarespot rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Starry rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Stripetail rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Swordspine rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Tiger rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Tope - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Treefish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Groundfish	Yellowmouth rockfish - Pacific Coast	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Salmon	Chinook salmon - California Central Valley: Sacramento (fall)	PFMC	No	No	No	N/A	N/A
Pacific Coast Salmon	Chinook salmon - California Central Valley: Sacramento (spring)	PFMC	N/A Exception 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - California Central Valley: Sacramento (winter)	PFMC	N/A Exception 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Klickitat, Warm Springs, John Day, and Yakima (spring)	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Lower River Hatchery (fall)	PFMC	N/A Exception 1**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Lower River Hatchery (spring)	PFMC	N/A Exception 1**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Mid-River Bright Hatchery (fall)	PFMC	N/A Exception 1**	N/A	N/A	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Pacific Coast Salmon	Chinook salmon - Columbia River Basin: North Lewis (fall)	PFMC	N/A Exception 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Snake (fall)	PFMC	N/A Exception 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Snake (spring/summer)	PFMC	N/A Exceptions 2 & 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Spring Creek Hatchery (fall)	PFMC	N/A Exception 1**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Upper River (spring)	PFMC	N/A Exceptions 2 & 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Upper River (summer)	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Upper River Bright (fall)	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Columbia River Basin: Upper Willamette (spring)	PFMC	N/A Exceptions 2 & 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Northern California Coast: Eel, Mattole, Mad, and Smith (fall/spring) ²¹	PFMC	N/A Exception 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Northern California Coast: Klamath (fall)	PFMC	No ²²	No - Rebuilding ²²	No	Develop rebuilding plan ²²	N/A
Pacific Coast Salmon	Chinook salmon - Northern California Coast: Klamath (spring)	PFMC	Unknown	Unknown	Unknown	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Oregon Coast: Central and Northern	PFMC	No	No	No	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Oregon Coast: Southern	PFMC	No	No	No	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Pacific Coast Salmon	Chinook salmon - Puget Sound: Cedar (summer/fall)	PFMC	N/A Exceptions 2 & 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Puget Sound: Eastern Strait of Juan de Fuca (summer/fall)	PFMC	N/A Exceptions 2 & 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Puget Sound: Green (summer/fall)	PFMC	N/A Exceptions 2 & 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Puget Sound: Nisqually (summer/fall)	PFMC	N/A Exceptions 2 & 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Puget Sound: Nooksack (spring early)	PFMC	N/A Exceptions 2 & 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Puget Sound: Skagit (spring)	PFMC	N/A Exceptions 2 & 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Puget Sound: Skagit (summer/fall)	PFMC	N/A Exceptions 2 & 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Puget Sound: Skokomish (summer/fall)	PFMC	N/A Exceptions 2 & 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Puget Sound: Snohomish (summer/fall)	PFMC	N/A Exceptions 2 & 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Puget Sound: Stillaguamish (summer/fall)	PFMC	N/A Exceptions 2 & 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Puget Sound: White (spring)	PFMC	N/A Exceptions 2 & 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Southern British Columbia: Coastal	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Southern British Columbia: Fraser ²³	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Washington Coast: Grays Harbor (fall)	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Pacific Coast Salmon	Chinook salmon - Washington Coast: Grays Harbor (spring)	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Washington Coast: Hoh (fall)	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Washington Coast: Hoh (spring/summer)	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Washington Coast: Hoko (summer/fall)	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Washington Coast: Queets (fall)	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Washington Coast: Queets (spring/summer)	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Washington Coast: Quillayute (fall)	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Washington Coast: Quillayute (spring/summer)	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Washington Coast: Quinault (fall)	PFMC	N/A Exception 1**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Washington Coast: Willapa Bay Fall (hatchery)	PFMC	N/A Exception 1**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Chinook salmon - Washington Coast: Willapa Bay Fall (natural)	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Central California Coast	PFMC	N/A Exception 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Columbia (early hatchery)	PFMC	N/A Exception 1**	N/A	N/A	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Columbia (late hatchery)	PFMC	N/A Exception 1**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Columbia (natural)	PFMC	N/A Exception 3**	N/A	Unknown	N/A	N/A
Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Northern California	PFMC	N/A Exception 3**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Coho salmon - Oregon Production Index Area: Oregon Coastal (natural) ²⁴	PFMC	No	No	No	N/A	N/A
Pacific Coast Salmon	Coho salmon - Puget Sound: Eastern Strait of Juan de Fuca	PFMC	No	No	No	N/A	N/A
Pacific Coast Salmon	Coho salmon - Puget Sound: Hood Canal	PFMC	No	No	No	N/A	N/A
Pacific Coast Salmon	Coho salmon - Puget Sound: Skagit	PFMC	No	No	No	N/A	N/A
Pacific Coast Salmon	Coho salmon - Puget Sound: Snohomish	PFMC	No	No	No	N/A	N/A
Pacific Coast Salmon	Coho salmon - Puget Sound: South Puget Sound (hatchery)	PFMC	N/A Exception 1**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Coho salmon - Puget Sound: Stillaguamish	PFMC	No	No	No	N/A	N/A
Pacific Coast Salmon	Coho salmon - Southern British Columbia: Coastal	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Coho salmon - Southern British Columbia: Fraser ²³	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Coho salmon - Washington Coast: Grays Harbor	PFMC	No	No	No	N/A	N/A
Pacific Coast Salmon	Coho salmon - Washington Coast: Hoh	PFMC	No	No	No	N/A	N/A
Pacific Coast Salmon	Coho salmon - Washington Coast: Queets	PFMC	No	Yes	N/A	Develop rebuilding plan ²⁵	N/A
Pacific Coast Salmon	Coho salmon - Washington Coast: Quillayute (fall)	PFMC	No	No	No	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Pacific Coast Salmon	Coho salmon - Washington Coast: Quillayute (summer)	PFMC	N/A Exception 1**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Coho salmon - Washington Coast: Quinault	PFMC	N/A Exception 1**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Coho salmon - Washington Coast: Western Strait of Juan de Fuca	PFMC	No	Yes	N/A	Develop rebuilding plan ²⁶	N/A
Pacific Coast Salmon	Coho salmon - Washington Coast: Willapa Bay	PFMC	N/A Exception 1**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Pink salmon - Puget Sound (odd- numbered years) ²³	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
Pacific Coast Salmon	Pink salmon - Southern British Columbia: Fraser (odd-numbered years) ²³	PFMC	N/A Exception 2**	N/A	N/A	N/A	N/A
U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region	Bigeye thresher - North Pacific	PFMC / WPFMC	Unknown	Unknown	Unknown	N/A	N/A
U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region	Pelagic thresher - North Pacific	PFMC / WPFMC	Unknown	Unknown	Unknown	N/A	N/A
U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region	Shortfin mako - North Pacific	PFMC / WPFMC	Unknown	Unknown	Unknown	N/A	N/A
U.S. West Coast Fisheries for Highly Migratory Species / Pelagic Fisheries of the Western Pacific Region	Thresher shark - North Pacific	PFMC / WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Bottomfish and Seamount Groundfish Fisheries of the Western Pacific Region	Northern Mariana Islands Bottomfish Multi-species Complex ²⁷	WPFMC	No	No	No	N/A	N/A
Coral Reef Ecosystem of the Western Pacific Region	American Samoa Coral Reef Ecosystem Multi-species Complex ²⁸	WPFMC	Unknown	Unknown	Unknown	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Coral Reef Ecosystem of the Western Pacific Region	Guam Coral Reef Ecosystem Multi-species Complex ²⁸	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Coral Reef Ecosystem of the Western Pacific Region	Northern Mariana Islands Coral Reef Ecosystem Multi-species Complex ²⁸	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Coral Reef Ecosystem of the Western Pacific Region	Pacific Island Remote Areas Coral Reef Ecosystem Multi-species Complex ²⁹	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Crustacean Fisheries of the Western Pacific Region	Northwestern Hawaiian Islands Lobster Complex ³⁰	WPFMC	No	Unknown	Unknown	N/A	N/A
Crustacean Fisheries of the Western Pacific Region	Other than Northwestern Hawaiian Islands Lobster Complex ³⁰	WPFMC	Undefined	Undefined	Unknown	N/A	N/A
Crustacean Fisheries of the Western Pacific Region	Spanner crab - Western Pacific Islands	WPFMC	Undefined	Undefined	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Black marlin - Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Longfin mako - North Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Oceanic whitetip shark - Tropical Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Pomfrets (Bramidae) - Western Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Sailfish - Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Salmon shark - North Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Silky shark - Tropical Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Snake mackerels (Gempylidae) - Pacific	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Pelagic Fisheries of the Western Pacific Region	Tropical Pacific Other Tuna Relatives Complex ³²	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Precious Coral Fisheries of the Western Pacific Region	Au'au Bed Black Coral Complex ³³	WPFMC	Unknown	Unknown	Unknown	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Precious Coral Fisheries of the Western Pacific Region	Conditional Beds Precious Corals Multi-species Complex ³⁴	WPFMC	Unknown	Unknown	Unknown	N/A	N/A
Precious Coral Fisheries of the Western Pacific Region	Makapu'u Bed Precious Corals Multi-species Complex ³⁴	WPFMC	No ³⁵	Unknown	Unknown	N/A	N/A
Bering Sea/Aleutian Islands King and Tanner Crabs	Golden king crab - Pribilof Islands	NPFMC	Unknown	Undefined	Unknown	N/A	N/A
Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Other Flatfish Complex ³⁶	NPFMC	No	Undefined	Unknown	N/A	N/A
Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Other Rockfish Complex ³⁷	NPFMC	No	Undefined	Unknown	N/A	N/A
Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Other Species Complex ³⁸	NPFMC	No	Undefined	Unknown	N/A	N/A
Groundfish of the Bering Sea and Aleutian Islands Management Area	Bering Sea / Aleutian Islands Squid Complex ³⁹	NPFMC	No	Undefined	Unknown	N/A	N/A
Groundfish of the Bering Sea and Aleutian Islands Management Area	Shortraker rockfish - Bering Sea / Aleutian Islands	NPFMC	No	Undefined	Unknown	N/A	N/A
Groundfish of the Bering Sea and Aleutian Islands Management Area	Walleye pollock - Bogoslof	NPFMC	No	Undefined	Unknown	N/A	N/A
Groundfish of the Gulf of Alaska	Atka mackerel - Gulf of Alaska	NPFMC	No	Undefined	Unknown	N/A	N/A
Groundfish of the Gulf of Alaska	Big skate - Gulf of Alaska	NPFMC	No	Undefined	Unknown	N/A	N/A
Groundfish of the Gulf of Alaska	Gulf of Alaska Other Skates Complex ⁴⁰	NPFMC	No	Undefined	Unknown	N/A	N/A
Groundfish of the Gulf of Alaska	Gulf of Alaska Other Slope Rockfish Complex ⁴¹	NPFMC	No	Undefined	Unknown	N/A	N/A
Groundfish of the Gulf of Alaska	Gulf of Alaska Other Species Complex ⁴²	NPFMC	Undefined	Undefined	Unknown	N/A	N/A
Groundfish of the Gulf of Alaska	Gulf of Alaska Shallow Water Flatfish Complex ⁴³	NPFMC	No	Undefined	Unknown	N/A	N/A
Groundfish of the Gulf of Alaska	Longnose skate - Gulf of Alaska	NPFMC	No	Undefined	Unknown	N/A	N/A
Groundfish of the Gulf of Alaska	Shortraker rockfish - Gulf of Alaska	NPFMC	No	Undefined	Unknown	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
Groundfish of the Gulf of Alaska	Walleye pollock - Eastern Gulf of Alaska	NPFMC	No	Undefined	Unknown	N/A	N/A
Salmon Fisheries in the EEZ off the Coast of Alaska	Alaska Coho Salmon Assemblage ⁴⁴	NPFMC	No	No	No	N/A	N/A
Salmon Fisheries in the EEZ off the Coast of Alaska	Chinook salmon - Eastern North Pacific Far North Migrating	NPFMC	No	No	No	N/A	N/A
Scallop Fishery off Alaska	Bering scallop - Alaska	NPFMC	Undefined	Undefined	N/A	N/A	N/A
Scallop Fishery off Alaska	Giant rock scallop - Alaska	NPFMC	Undefined	Undefined	N/A	N/A	N/A
Scallop Fishery off Alaska	Reddish scallop - Alaska	NPFMC	Undefined	Undefined	N/A	N/A	N/A
Scallop Fishery off Alaska	Spiny scallop - Alaska	NPFMC	Undefined	Undefined	N/A	N/A	N/A
Scallop Fishery off Alaska	Weathervane scallop - Alaska	NPFMC	No	Undefined	N/A	N/A	N/A
Scallop Fishery off Alaska	White scallop - Alaska	NPFMC	Undefined	Undefined	N/A	N/A	N/A
Fish Resources of the Arctic Management Area	Arctic cod	NPFMC	No ⁴⁵	Unknown	Unknown	N/A	N/A
Fish Resources of the Arctic Management Area	Saffron cod	NPFMC	No ⁴⁵	Unknown	Unknown	N/A	N/A
Fish Resources of the Arctic Management Area	Snow crab	NPFMC	No ⁴⁵	Unknown	Unknown	N/A	N/A
Fish Resources of the Arctic Management Area	Additional Ecosystem Component Species	NPFMC					
Consolidated Atlantic Highly Migratory Species	Longbill spearfish - Western Atlantic	HMS	Unknown	Unknown	Unknown	N/A	N/A
Consolidated Atlantic Highly Migratory Species	Skipjack tuna - Western Atlantic	HMS	No	No	No	N/A	N/A
Consolidated Atlantic Highly Migratory Species	Atlantic Pelagic Shark Complex ⁴⁶	HMS	Unknown	Unknown	Unknown	N/A	N/A
Consolidated Atlantic Highly Migratory Species	Thirty-three deepwater and other species for data collection only purposes ⁴⁷	HMS				N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

FMP	Stock	Jurisdiction	Overfishing? (Is Fishing Mortality above Threshold?)	Overfished? (Is Biomass below Threshold?)	Approaching Overfished Condition?	Management Action Required	Rebuilding Program Progress
International Pacific Halibut Commission ⁴⁸	Pacific halibut - Pacific Coast / Alaska	IPHC/NPFMC/P EMC	Undefined	No	No	N/A	N/A

National Marine Fisheries Service - 4th Quarter 2009

*The overfishing definition for this stock is pre-SFA.

** The Salmon FMP contains three exceptions to the application of overfishing criteria and subsequent Council actions for stocks or stock complexes with conservation objectives: (1) hatchery stocks, (2) stocks for which Council management actions have inconsequential impacts, and (3) stocks listed under the ESA.

1. A formal rebuilding program was not required or submitted because either no fishing is allowed in this fishery, or incidental harvest is limited to levels necessary to meet Endangered Species Act (ESA) requirements. A Final Recovery Plan for the Gulf of Maine Distinct Population Segment of Atlantic Salmon has been developed under the ESA.
2. Fishery in the EEZ and state waters is closed; therefore, fishing mortality is very low.
3. 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.
4. This unit (Angelfishes) 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.
5. This unit (Boxfishes) 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.
6. This unit (Goatfishes) is part of the Caribbean Reef Fish FMU and is composed of spotted and yellow goatfishes. There is no indicator species for this unit.
7. This unit (Grouper Unit 3) is part of the Caribbean Reef Fish FMU and is composed of red hind, coney, rock hind, graysby, and creole fish; red hind is the indicator species for the unit.
8. This unit (Grunts) 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.
9. This unit (Jacks) 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.
10. This unit (Parrotfishes) is part of the Caribbean Reef Fish FMU and is composed of blue, midnight, princess, queen, rainbow, striped, redband, redband, redtail, redfin, and stoplight parrotfishes. There is no indicator species for this unit.
11. This unit (Porgies) 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.
12. This unit (Snapper Unit 2) is part of the Caribbean Reef Fish FMU and is composed of queen snapper and wenchman; queen snapper is the indicator species for the unit.
13. This unit (Squirrelfishes) 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.
14. This unit (Surgeonfish) 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.
15. This unit (Tilefishes) is part of the Caribbean Reef Fish FMU and is composed of blackline and sand tilefishes. There is no indicator species for this unit.
16. This stock (Triggerfishes and Filefishes) is part of the Caribbean Reef Fish FMU and is composed of ocean, queen, and Sargassum triggerfishes; scrawled and whitespotted filefishes; and black durgon; queen triggerfish is the indicator species for the unit.
17. This unit (Wrasses) is part of the Caribbean Reef Fish FMU and is composed of hogfish, Spanish hogfish, and puddingwife; hogfish is the indicator species for the unit.
18. This FMP contains many corals and reef-associated invertebrates. NMFS determined that the available data are inadequate or insufficient for providing a defensible and meaningful estimate of MSST for managed species in the Coral Reef FMP. Accordingly, various taxa are included for data collection purposes only.

National Marine Fisheries Service - 4th Quarter 2009

19. This FMP contains eight species for data collection only, including Atlantic triton's trumpet, cameo helmet, green star shell, hawkwing conch, milk conch, roostertail conch, true tulip, and West Indian fighting conch. This FMP also contains Queen Conch, which is an FSSI stock.
20. In addition to the other 79 species contained in this FMP, there are an additional 60 species that are for aquarium trade only including Frogfish, Flamefish, Conchfish, Redlip Blenny, Peacock Flounder, Longsnout Butterflyfish, Four-eye Butterflyfish, Spotfin Butterflyfish, Banded Butterflyfish, Redspotted Hawkfish, Flying Gurnard, Atlantic Spadefish, Neon Goby, Rusty Goby, Royal Gramma, Creole Wrasse, Yellowcheek Wrasse, Yellowhead Wrasse, Clown Wrasse, Pearly Razorfish, Green Razorfish, Bluehead Wrasse, Chain Moray, Green Moray, Goldentail Moray, Batfish, Goldspotted Eel, Yellowhead Jawfish, Dusky Jawfish, Cherubfish, Rock Beauty, Sergeant Major, Blue Chromis, Sunshinefish, Yellowtail Damselfish, Dusky Damselfish, Beaugregory, Bicolor Damselfish, Threespot Damselfish, Glasseye Snapper, High-hat, Jackknife-fish, Spotted Drum, Scorpionfishes, Butter Hamlet, Swissguard Basslet, Greater Soapfish, Orangeback Bass, Lantern Bass, Tobaccofish, Harlequin Bass, Chalk Bass, Caribbean Tonguefish, Seahorses, Pipefishes, Sand Diver, Sharpnose Puffer, Porcupinefish, Trumpetfish, and Cardinal Soldierfish.
21. The Smith River Chinook is not part of the California Coastal Chinook ESU, which includes the Eel, Mattole, and Mad River stocks. However, there are no conservation objectives defined for the northern coastal chinook stocks. These stocks are managed consistent with NMFS jeopardy standard / recovery plans for the California Coastal Chinook ESU. The Smith River stock is therefore also managed under the NMFS jeopardy standard / recovery plans.
22. This stock failed to meet its conservation objective for 3 consecutive years in 2004, 2005 and 2006, triggering an overfishing concern. The stock was determined by NMFS to be in a state of decline on April 7, 2007. Because the stock was considered overfished as a result of the escapement failure from 2004-2006, a rebuilding plan is required. The Council submitted recommendations to NMFS in June 2008 that proposed to end the overfishing concern and management measures to implement during rebuilding. NMFS will publish the proposed rebuilding plan for public comment, based on the Council's recommendations, in early 2009.
23. 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.
24. 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.
25. This stock failed to meet its conservation objective for 3 consecutive years in 2006, 2007, and 2008. The PFMC was notified on July 31, 2009 that they are required to develop a rebuilding plan for this stock and have 2 years from this date to implement a plan.
26. This stock failed to meet its conservation objective for 3 consecutive years in 2005, 2006, and 2007. The PFMC was notified on July 31, 2009 that they are required to develop a rebuilding plan for this stock and have 2 years from this date to implement a plan.
27. This complex contains up to 19 species including Seabass - hapuu'upu, Squirrelfish Snapper - ehū, 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. Assessments are made for multi-species stock complexes, one complex for each of the Hawaiian Archipelago, American Samoa, and Guam.
28. This complex contains up to 146 "currently harvested coral reef taxa" and innumerable "potentially harvested coral reef taxa."
29. This complex contains up to 146 "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.
30. This complex contains up to 5 species including Red Spiny Lobster, Green Spiny Lobster, Common Slipper Lobster, Chinese Slipper Lobster, and Giant Slipper Lobster.
31. The fishery has been closed since 1999 and fishing mortality has been virtually zero since then.
32. The management unit includes *Auxis* spp. (frigate mackerels), *Allotunnus* spp. (slender tunas), and *Scomber* spp. (mackerels).
33. This complex contains up to 3 species including *Antipathes grandis*, *Antipathes dichotoma*, and *Antipathes ulex*.
34. This complex contains up to 12 taxa including *Corallium secundum*, *Corallium regale*, *Corallium lauense*, *Gerardia* spp., *Callogorgia gilberti*, *Narella* spp., *Calyptrophora* spp., *Lepidisis olapa*, *Acanella* spp., *Antipathes grandis*, *Antipathes dichotoma*, and *Antipathes ulex*.
35. There has been virtually no fishing for this stock since 2001 and fishing mortality has been virtually zero since then.

National Marine Fisheries Service - 4th Quarter 2009

36. 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.
37. 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.
38. The Other Species Complex consists of the following stocks: 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, Yellow Irish Lord, Flapjack Devilfish, Giant Pacific Octopus, Pelagic Octopus, Smoothskin Octopus, Octopus *Benthoctopus oregonensis*, Octopus *Gran* Octopus *Bathypolypus arcticus*, Pacific Sleeper Shark, Salmon Shark, Spiny Dogfish, 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. The overfishing determination is based on the OFL, which is computed by using abundance estimates of skates and sculpins and average historical catch for sharks and octopus.
39. The Squid Complex consists of the following stocks: Squid *Belonella borealis*, Squid *Beryteuthis anomachus*, Squid *Beryteuthis magister*, Squid *Chiroteuthis calyx*, Squid *Cranchia scabra*, Squid *Eogonatus tinro*, Squid *Galiteuthis phyllura*, Squid *Gonatopsis borealis*, Squid *Gonatopsis makkeo*, Squid *Gonatus berryi*, Squid *Gonatus kamtschaticus*, Squid *Gonatus madokai*, Squid *Gonatus onyx*, Squid *Gonatus pyros*, Squid *Histioteuthis boylei*, Squid *Moroteuthis robusta*, and Squid *Rossia pacifica*. The overfishing determination is based on the OFL, which is equal to average historical catch.
40. The Other Skates Complex consists of the following stocks: Alaska Skate, Aleutian Skate, Bering Skate, Deepsea Skate, Roughshoulder Skate, Roughtail Skate, and Whiteblotched Skate. The overfishing determination is based on the combined abundance estimates of these species.
41. The Other Slope 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, and Yellowmouth Rockfish. The overfishing determination is based on the OFL, which is computed by using abundance estimates of the complex.
42. The Other Species Complex consists of the following stocks: Pacific Sleeper Shark, Salmon Shark, Spiny Dogfish, 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 *Ariediellus sp.*, Sculpin *Icelus euryops*, Flapjack Devilfish, Giant Pacific Octopus, Pelagic Octopus, Red Octopus, Smoothskin Octopus, Vampire Squid, North Pacific Bigeye Octopus, Squid *Beryteuthis an* Squid *Beryteuthis magister*, Squid *Chiroteuthis calyx*, Squid *Cranchia scabra*, Squid *Eogonatus tinro*, Squid *Galiteuthis phyllura*, Squid *Gonatopsis makkeo*, Squid *Gonatus berryi*, Squid *Gonatus kamtschaticus*, Squid *Gonatus madokai*, Squid *Gonatus onyx*, Squid *Gonatus pyros*, Squid *Histioteuthis boylei*, Squid *Loligo opalescens*, Squid *Moroteuthis robusta*, Squid *Octopoteuthis deletron*, and Squid *Onychoteuthis borealijaponicus*. 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.
43. 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.
44. The 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.
45. There is no commercial fishing for this stock, including Alaska state waters and international fishing, so fishing mortality is expected to be zero.
46. 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.
47. There are an additional 33 deepwater and other species contained in this FMP, but are not contained in the management unit and are for data collection purposes only. These species include Iceland catshark, Smallfin catshark, Deepwater catshark, Broadgill catshark, Marbled catshark, Blotched catshark, Chain dogfish, Dwarf catshark, Japanese gulper shark, Japanese gulper shark, Little gulper shark, Kitefin shark, Flatnose gulper shark, Portuguese shark, Greenland shark, Lined lanternshark, Broadband dogfish, Caribbean lanternshark, Great lanternshark, Smooth lanternshark, Fringefin lanternshark, Green lanternshark, Cookiecutter shark, Bigtooth cookiecutter, Smallmouth velvet Dogfish, Pygmy shark, Roughskin spiny dogfish, Blainville's dogfish, Cuban dogfish, Bramble shark, American sawshark, Florida smoothhound, and Smooth dogfish.

National Marine Fisheries Service - 4th Quarter 2009

48. The resource is managed by treaty between the United States and Canada through recommendations of the International Pacific Halibut Commission. Pacific halibut is managed under the jurisdiction of the PFMC for WA, OR, and CA and under the jurisdiction of the NPFMC for Alaska.