

## National Marine Fisheries Service

Quarter 3 Fiscal Year 2023

**Appendix D. Current adequacy status of FSSI stocks and stock complexes. Changes in assessment information relative to the previous fish assessment quarterly report are highlighted with bold, red text. Hyperlinks provide access to stock-specific assessment records in Stock SMART**

Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type <sup>3</sup>	Assessment Type <sup>4</sup>	Adequate ?	
AFSC	NPFMC	Golden king crab - Aleutian Islands	2023	5	Operational Stock Assessment	Yes	<a href="#">Indicator stock - Golden king crab - Eastern Aleutian Islands</a> <a href="#">Indicator stock - Golden king crab - Western Aleutian Islands</a>
AFSC	NPFMC	<a href="#">Red king crab - Bristol Bay</a>	2023	5	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Red king crab - Norton Sound</a>	2023	5	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Snow crab - Bering Sea</a>	2023	5	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Southern Tanner crab - Bering Sea</a>	2023	5	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Alaska plaice - Bering Sea / Aleutian Islands</a>	2023	6	Stock Monitoring Update	Yes	
AFSC	NPFMC	<a href="#">Arrowtooth flounder - Bering Sea / Aleutian Islands</a>	2023	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Atka mackerel - Bering Sea / Aleutian Islands</a>	2023	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	Bering Sea / Aleutian Islands Flathead Sole Complex	2023	6	Stock Monitoring Update	Yes	<a href="#">Indicator stock - Flathead sole - Bering Sea / Aleutian Islands</a>
AFSC	NPFMC	Bering Sea / Aleutian Islands Rock Sole Complex	2023	6	Operational Stock Assessment	Yes	<a href="#">Indicator stock - Northern rock sole - Bering Sea / Aleutian Islands</a>
AFSC	NPFMC	Bering Sea / Aleutian Islands Skate Complex	2023	6	Stock Monitoring Update	Yes	<a href="#">Indicator stock - Alaska skate - Bering Sea / Aleutian Islands</a>
AFSC	NPFMC	<a href="#">Greenland halibut - Bering Sea / Aleutian Islands</a>	2023	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Kamchatka flounder - Bering Sea / Aleutian Islands</a>	2023	6	Operational Stock Assessment	Yes	

National Marine Fisheries Service  
Quarter 3 Fiscal Year 2023

Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type <sup>3</sup>	Assessment Type <sup>4</sup>	Adequate ?	
AFSC	NPFMC	<a href="#">Northern rockfish - Bering Sea / Aleutian Islands</a>	2023	6	Stock Monitoring Update	Yes	
AFSC	NPFMC	<a href="#">Pacific cod - Aleutian Islands</a>	2023	2	Operational Stock Assessment	No	Level 6 attempted in 2022
AFSC	NPFMC	<a href="#">Pacific cod - Bering Sea</a>	2023	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Pacific ocean perch - Bering Sea / Aleutian Islands</a>	2023	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Walleye pollock - Bogoslof</a>	2023	2	Operational Stock Assessment	No	
AFSC	NPFMC	<a href="#">Walleye pollock - Aleutian Islands</a>	2023	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Walleye pollock - Eastern Bering Sea</a>	2023	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Yellowfin sole - Bering Sea / Aleutian Islands</a>	2023	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Sablefish - Eastern Bering Sea / Aleutian Islands / Gulf of Alaska</a>	2023	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Arrowtooth flounder - Gulf of Alaska</a>	2023	6	Stock Monitoring Update	Yes	
AFSC	NPFMC	<a href="#">Dusky rockfish - Gulf of Alaska</a>	2023	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Flathead sole - Gulf of Alaska</a>	2023	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Gulf of Alaska Blackspotted and Rougheye Rockfish Complex</a>	2023	6	Stock Monitoring Update	Yes	Assessed as a complex
AFSC	NPFMC	Gulf of Alaska Demersal Shelf Rockfish Complex	2023	2	Operational Stock Assessment	No	<a href="#">Indicator stock - Yelloweye rockfish - Gulf of Alaska</a>

National Marine Fisheries Service  
Quarter 3 Fiscal Year 2023

Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type <sup>3</sup>	Assessment Type <sup>4</sup>	Adequate ?	
AFSC	NPFMC	Gulf of Alaska Shallow Water Flatfish Complex	2023	6	Stock Monitoring Update	Yes	<a href="#">Indicator stock -- Northern rock sole - Central Gulf of Alaska</a>
							<a href="#">Indicator stock -- Northern rock sole - Western Gulf of Alaska</a>
							<a href="#">Indicator stock -- Rock sole - Central Gulf of Alaska</a>
							<a href="#">Indicator stock -- Rock sole - Western Gulf of Alaska</a>
AFSC	NPFMC	Gulf of Alaska Thornyhead Rockfish Complex	2023	2	Operational Stock Assessment	No	<a href="#">Indicator stock -- Shortspine thornyhead - Gulf of Alaska</a>
							Accounting practices for 2021 changed the classification of this assessment
AFSC	NPFMC	<a href="#">Northern rockfish - Western / Central Gulf of Alaska</a>	2023	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Pacific cod - Gulf of Alaska</a>	2023	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	<a href="#">Pacific ocean perch - Gulf of Alaska</a>	2023	6	Stock Monitoring Update	Yes	
AFSC	NPFMC	<a href="#">Rex sole - Gulf of Alaska</a>	2023	6	Stock Monitoring Update	Yes	<a href="#">Geographic subunit -- Rex sole - Eastern Gulf of Alaska</a>
							<a href="#">Geographic subunit -- Rex sole - Western / Central Gulf of Alaska</a>
AFSC	NPFMC	<a href="#">Shortraker rockfish - Gulf of Alaska</a>	2022	2	Operational Stock Assessment	No	
AFSC	NPFMC	<a href="#">Walleye pollock - Western / Central / West Yakutat Gulf of Alaska</a>	2023	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC	<a href="#">Atlantic mackerel - Gulf of Maine / Cape Hatteras</a>	2023	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC	<a href="#">Butterfish - Gulf of Maine / Cape Hatteras</a>	2022	6	Operational Stock Assessment	Yes	Research assessment completed in 2022

National Marine Fisheries Service  
Quarter 3 Fiscal Year 2023

Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type <sup>3</sup>	Assessment Type <sup>4</sup>	Adequate ?	
NEFSC	MAFMC	<a href="#">Longfin inshore squid - Georges Bank / Cape Hatteras</a>	2023	2	Operational Stock Assessment	No	
NEFSC	MAFMC	<a href="#">Northern shortfin squid - Northwestern Atlantic Coast</a>	N/A	0	-	No	2022 Research stock assessment rejected, not operational model available
NEFSC	MAFMC	<a href="#">Atlantic surfclam - Mid-Atlantic Coast</a>	2020	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC	<a href="#">Ocean quahog - Atlantic Coast</a>	2020	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC	<a href="#">Black sea bass - Mid-Atlantic Coast</a>	2021	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC	<a href="#">Bluefish - Atlantic Coast</a>	2023	6	Operational Stock Assessment	Yes	Research stock assessment completed in 2023
NEFSC	MAFMC	<a href="#">Scup - Atlantic Coast</a>	2023	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC	<a href="#">Summer flounder - Mid-Atlantic Coast</a>	2023	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC	<a href="#">Tilefish - Mid-Atlantic Coast</a>	2021	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC / NEFMC	<a href="#">Goosefish - Gulf of Maine / Northern Georges Bank</a>	2022	2	Operational Stock Assessment	No	
NEFSC	MAFMC / NEFMC	<a href="#">Goosefish - Southern Georges Bank / Mid-Atlantic</a>	2022	2	Operational Stock Assessment	No	
NEFSC	MAFMC / NEFMC	<a href="#">Spiny dogfish - Atlantic Coast</a>	2018	5	Operational Stock Assessment	Yes*	Research stock assessment completed in 2023
NEFSC	NEFMC	<a href="#">Atlantic herring - Northwestern Atlantic Coast</a>	2022	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	<a href="#">Sea scallop - Northwestern Atlantic Coast</a>	2020	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	<a href="#">Acadian redfish - Gulf of Maine / Georges Bank</a>	2020	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	<a href="#">American plaice - Gulf of Maine / Georges Bank</a>	2022	6	Operational Stock Assessment	Yes	

National Marine Fisheries Service  
Quarter 3 Fiscal Year 2023

Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type <sup>3</sup>	Assessment Type <sup>4</sup>	Adequate ?	
NEFSC	NEFMC	<a href="#">Atlantic cod - Georges Bank</a>	2021	2	Operational Stock Assessment	No	
NEFSC	NEFMC	<a href="#">Atlantic cod - Gulf of Maine</a>	2021	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	<a href="#">Atlantic halibut - Northwestern Atlantic Coast</a>	2022	1	Operational Stock Assessment	No	
NEFSC	NEFMC	<a href="#">Haddock - Georges Bank</a>	2022	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	<a href="#">Haddock - Gulf of Maine</a>	2022	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	<a href="#">Pollock - Gulf of Maine / Georges Bank</a>	2022	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	<a href="#">Red hake - Southern Georges Bank / Mid-Atlantic</a>	2020	2	Operational Stock Assessment	No	
NEFSC	NEFMC	<a href="#">Silver hake - Gulf of Maine / Northern Georges Bank</a>	2020	2	Operational Stock Assessment	No	
NEFSC	NEFMC	<a href="#">Silver hake - Southern Georges Bank / Mid-Atlantic</a>	2020	2	Operational Stock Assessment	No	
NEFSC	NEFMC	<a href="#">White hake - Gulf of Maine / Georges Bank</a>	2022	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	<a href="#">Winter flounder - Georges Bank</a>	2022	4	Operational Stock Assessment	Yes	
NEFSC	NEFMC	<a href="#">Winter flounder - Gulf of Maine</a>	2022	2	Operational Stock Assessment	No	
NEFSC	NEFMC	<a href="#">Winter flounder - Southern New England / Mid-Atlantic</a>	2022	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	<a href="#">Witch flounder - Northwestern Atlantic Coast</a>	2022	2	Operational Stock Assessment	No	
NEFSC	NEFMC	<a href="#">Yellowtail flounder - Cape Cod / Gulf of Maine</a>	2022	4	Operational Stock Assessment	Yes	
NEFSC	NEFMC	<a href="#">Yellowtail flounder - Southern New England / Mid-Atlantic</a>	2022	6	Operational Stock Assessment	Yes	

National Marine Fisheries Service  
Quarter 3 Fiscal Year 2023

Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type <sup>3</sup>	Assessment Type <sup>4</sup>	Adequate ?	
NEFSC	NEFMC	<a href="#">Little skate - Georges Bank / Southern New England</a>	2022	2	Operational Stock Assessment	No	
NEFSC	NEFMC	<a href="#">Winter skate - Georges Bank / Southern New England</a>	2022	2	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	<a href="#">Northern anchovy - Southern Pacific Coast</a>	2022	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Pacific chub mackerel - Pacific Coast</a>	2023	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Pacific sardine - Pacific Coast</a>	2022	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Arrowtooth flounder - Pacific Coast</a>	2021	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Aurora rockfish - Pacific Coast</a>	2013	6	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	<a href="#">Big skate - Pacific coast</a>	2019	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Black rockfish - California</a>	2019	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Black rockfish - Oregon</a>	2022	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Blackgill rockfish - Southern California</a>	2019	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Bocaccio - Southern Pacific Coast</a>	2017	6	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	<a href="#">Brown rockfish - Pacific Coast</a>	2014	3	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	Cabezon - California	2019	6	Operational Stock Assessment	Yes	<a href="#">Indicator stock -- Cabezon - Northern California</a>
							<a href="#">Indicator stock -- Cabezon - Southern California</a>
NWFSC / SWFSC	PFMC	<a href="#">Cabezon - Oregon</a>	2019	6	Operational Stock Assessment	Yes	

National Marine Fisheries Service  
Quarter 3 Fiscal Year 2023

Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type <sup>3</sup>	Assessment Type <sup>4</sup>	Adequate ?	
NWFSC / SWFSC	PFMC	<a href="#">California Blue and Deacon Rockfish Complex</a>	2019	6	Stock Monitoring Update	Yes	Assessed as a complex
NWFSC / SWFSC	PFMC	<a href="#">California scorpionfish - Southern California</a>	2017	6	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	<a href="#">Canary rockfish - Pacific Coast</a>	2021	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Chilipepper - Southern Pacific Coast</a>	2017	6	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	<a href="#">Cowcod - Southern California</a>	2019	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Darkblotched rockfish - Pacific Coast</a>	2021	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Dover sole - Pacific Coast</a>	2021	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	<a href="#">English sole - Pacific Coast</a>	2013	3	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	<a href="#">Gopher rockfish - Northern California</a>	2019	6	Operational Stock Assessment	Yes	Assessed as: Gopher / Black-and-Yellow Rockfish Complex
NWFSC / SWFSC	PFMC	<a href="#">Kelp greenling - Oregon</a>	2015	6	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	<a href="#">Lingcod - Northern Pacific Coast</a>	2021	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Lingcod - Southern Pacific Coast</a>	2021	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Longnose skate - Pacific Coast</a>	2019	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Longspine thornyhead - Pacific Coast</a>	2019	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Oregon Blue and Deacon Rockfish Complex</a>	2017	6	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	<a href="#">Pacific ocean perch - Pacific Coast</a>	2018	6	Operational Stock Assessment	Yes*	

National Marine Fisheries Service  
Quarter 3 Fiscal Year 2023

Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type <sup>3</sup>	Assessment Type <sup>4</sup>	Adequate ?	
NWFSC / SWFSC	PFMC	<a href="#">Pacific sanddab - Pacific Coast</a>	2013	6	Operational Stock Assessment	No	Partial acceptance - Status determinations only
NWFSC / SWFSC	PFMC	<a href="#">Petrale sole - Pacific Coast</a>	2021	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Rex sole - Pacific Coast</a>	2013	3	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	<a href="#">Sablefish - Pacific Coast</a>	2021	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Sharpchin rockfish - Pacific Coast</a>	2013	3	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	<a href="#">Shortbelly rockfish - Pacific Coast</a>	2007	6	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	<a href="#">Shortspine thornyhead - Pacific Coast</a>	2020	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Spiny dogfish - Pacific Coast</a>	2022	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Stripetail rockfish - Pacific Coast</a>	2013	3	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	<a href="#">Vermilion rockfish - California</a>	2021	6	Operational Stock Assessment	Yes	Assessed Unit - Vermilion and Sunset rockfish - Northern California
							Assessed Unit - Vermilion and Sunset rockfish - Southern California
NWFSC / SWFSC	PFMC	<a href="#">Widow rockfish - Pacific Coast</a>	2019	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Yellowtail rockfish - Northern Pacific Coast</a>	2017	6	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	<a href="#">Chinook salmon - California Central Valley: Sacramento River Fall</a>	2023	3	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	<a href="#">Chinook salmon - Northern California Coast: Klamath River Fall</a>	2023	4	Operational Stock Assessment	Yes	



National Marine Fisheries Service  
Quarter 3 Fiscal Year 2023

Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type <sup>3</sup>	Assessment Type <sup>4</sup>	Adequate ?	
PIFSC	WPFMC	<b>Longtail red snapper and Ruby snapper Complex - American Samoa</b>	2023	6	Operational Stock Assessment	Yes	<a href="#">Replaced - American Samoa Bottomfish Multi-species Complex</a>
PIFSC	WPFMC	<a href="#">Green Jobfish - Main Hawaiian Islands</a>	2020	5	Operational Stock Assessment	Yes	
PIFSC	WPFMC	<a href="#">Guam Bottomfish Multi-species Complex</a>	2019	3	Operational Stock Assessment	Yes	Stock assessed as a complex
PIFSC	WPFMC	<a href="#">Main Hawaiian Islands Deep 7 Bottomfish Multi-species Complex</a>	2021	3	Operational Stock Assessment	Yes	Stock assessed as a complex
PIFSC	WPFMC	<a href="#">Northern Mariana Islands Bottomfish Multi-species Complex</a>	2019	3	Operational Stock Assessment	Yes	Stock assessed as a complex
PIFSC	WPFMC	<a href="#">Spanner crab - Main Hawaiian Islands</a>	2019	3	Operational Stock Assessment	Yes	
SEFSC	CFMC	<a href="#">Caribbean spiny lobster - Puerto Rico</a>	2023	6	Stock Monitoring Update	Yes	
SEFSC	CFMC	<a href="#">Caribbean spiny lobster - St. Croix</a>	2023	6	Stock Monitoring Update	Yes	
SEFSC	CFMC	<a href="#">Caribbean spiny lobster - St. Thomas / St. John</a>	2023	6	Stock Monitoring Update	Yes	
SEFSC	GMFMC	<a href="#">Gag - Gulf of Mexico</a>	2021	6	Operational Stock Assessment	Yes	
SEFSC	GMFMC	<a href="#">Gray snapper - Gulf of Mexico</a>	2023	6	Operational Stock Assessment	Yes	
SEFSC	GMFMC	<a href="#">Gray triggerfish - Gulf of Mexico</a>	2021	6	Stock Monitoring Update	Yes	
SEFSC	GMFMC	<a href="#">Greater amberjack - Gulf of Mexico</a>	2021	6	Operational Stock Assessment	Yes	
SEFSC	GMFMC	<a href="#">Hogfish - Eastern Gulf of Mexico</a>	2018	6	Operational Stock Assessment	Yes*	
SEFSC	GMFMC	<a href="#">Lane snapper - Gulf of Mexico</a>	2020	1	Operational Stock Assessment	No	
SEFSC	GMFMC	<a href="#">Red grouper - Gulf of Mexico</a>	2022	6	Stock Monitoring Update	Yes	

National Marine Fisheries Service  
Quarter 3 Fiscal Year 2023

Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type <sup>3</sup>	Assessment Type <sup>4</sup>	Adequate ?	
SEFSC	GMFMC	<a href="#">Red snapper - Gulf of Mexico</a>	2021	6	Stock Monitoring Update	Yes	
SEFSC	GMFMC	<a href="#">Tilefish - Gulf of Mexico</a>	2011	6	Operational Stock Assessment	No	Partial acceptance - Status determinations only
SEFSC	GMFMC	<a href="#">Vermilion snapper - Gulf of Mexico</a>	2020	6	Operational Stock Assessment	Yes	
SEFSC	GMFMC	<a href="#">Yellowedge grouper - Gulf of Mexico</a>	2011	6	Operational Stock Assessment	No	
SEFSC	GMFMC	<a href="#">Brown shrimp - Gulf of Mexico</a>	2019	5	Operational Stock Assessment	Yes	
SEFSC	GMFMC	<a href="#">Pink shrimp - Gulf of Mexico</a>	2019	5	Operational Stock Assessment	Yes	
SEFSC	GMFMC	<a href="#">Royal red shrimp - Gulf of Mexico</a>	2020	2	Operational Stock Assessment	No	
SEFSC	GMFMC	<a href="#">White shrimp - Gulf of Mexico</a>	2019	5	Operational Stock Assessment	Yes	
SEFSC	HMS	<a href="#">Atlantic sharpnose shark - Atlantic</a>	2014	6	Operational Stock Assessment	No	Partial acceptance - Status determinations only
SEFSC	HMS	<a href="#">Atlantic sharpnose shark - Gulf of Mexico</a>	2014	6	Operational Stock Assessment	No	Partial acceptance - Status determinations only
SEFSC	HMS	<a href="#">Blacknose shark - Atlantic</a>	2011	6	Operational Stock Assessment	No	
SEFSC	HMS	<a href="#">Blacktip shark - Atlantic</a>	2021	6	Operational Stock Assessment	Yes	
SEFSC	HMS	<a href="#">Blacktip shark - Gulf of Mexico</a>	2018	6	Operational Stock Assessment	Yes*	
SEFSC	HMS	<a href="#">Finetooth shark - Atlantic and Gulf of Mexico</a>	2008	3	Operational Stock Assessment	No	
SEFSC	HMS	<a href="#">Lemon shark - Atlantic and Gulf of Mexico</a>	2006	-3	Operational Stock Assessment	No	Assessment for Atlantic Large Coastal Shark Complex. Results not considered suitable for us in management.

National Marine Fisheries Service  
Quarter 3 Fiscal Year 2023

Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type <sup>3</sup>	Assessment Type <sup>4</sup>	Adequate ?	
SEFSC	HMS	<a href="#">Great hammerhead - Atlantic and Gulf of Mexico</a>	2006	-3	Operational Stock Assessment	No	Assessment for Atlantic Large Coastal Shark Complex. Results not considered suitable for use in management.
SEFSC	HMS	<a href="#">Sandbar shark - Atlantic and Gulf of Mexico</a>	2018	6	Operational Stock Assessment	Yes*	
SEFSC	HMS	<a href="#">Scalloped hammerhead - Atlantic</a>	2010	3	Operational Stock Assessment	No	
SEFSC	HMS	<a href="#">Smooth dogfish - Atlantic</a>	2015	6	Operational Stock Assessment	No	
SEFSC	HMS	<a href="#">Smooth hammerhead - Atlantic and Gulf of Mexico</a>	2006	-3	Operational Stock Assessment	No	Assessment for Atlantic Large Coastal Shark Complex. Results not considered suitable for use in management.
SEFSC	SAFMC	<a href="#">Dolphinfish - Southern Atlantic Coast</a>	2001	2	Operational Stock Assessment	No	
SEFSC	SAFMC	<a href="#">Brown rock shrimp - Southern Atlantic Coast</a>	2018	2	Operational Stock Assessment	No	
SEFSC	SAFMC	<a href="#">Brown shrimp - Southern Atlantic Coast</a>	2018	2	Operational Stock Assessment	No	
SEFSC	SAFMC	<a href="#">Pink shrimp - Southern Atlantic Coast</a>	2018	2	Operational Stock Assessment	No	
SEFSC	SAFMC	<a href="#">White shrimp - Southern Atlantic Coast</a>	2018	2	Operational Stock Assessment	No	
SEFSC	SAFMC	<a href="#">Black sea bass - Southern Atlantic Coast</a>	2018	6	Operational Stock Assessment	Yes*	
SEFSC	SAFMC	<a href="#">Blueline tilefish - Southern Atlantic Coast</a>	2018	3	Operational Stock Assessment	Yes*	
SEFSC	SAFMC	<a href="#">Gag - Southern Atlantic Coast</a>	2021	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC	<a href="#">Gray triggerfish - Southern Atlantic Coast</a>	2016	-6	Operational Stock Assessment	No	Results not considered suitable for use in management. No previous accepted assessment.

National Marine Fisheries Service  
Quarter 3 Fiscal Year 2023

Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type <sup>3</sup>	Assessment Type <sup>4</sup>	Adequate ?	
SEFSC	SAFMC	<a href="#">Greater amberjack - Southern Atlantic Coast</a>	2020	5	Operational Stock Assessment	Yes	
SEFSC	SAFMC	<a href="#">Red grouper - Southern Atlantic Coast</a>	2017	6	Operational Stock Assessment	No	
SEFSC	SAFMC	<a href="#">Red porgy - Southern Atlantic Coast</a>	2020	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC	<a href="#">Red snapper - Southern Atlantic Coast</a>	2021	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC	<a href="#">Scamp - Southern Atlantic Coast</a>	1998	6	Operational Stock Assessment	No	Research assessment completed in 2022
SEFSC	SAFMC	<a href="#">Snowy grouper - Southern Atlantic Coast</a>	2021	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC	<a href="#">Tilefish - Southern Atlantic Coast</a>	2021	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC	<a href="#">Vermilion snapper - Southern Atlantic Coast</a>	2018	6	Operational Stock Assessment	Yes*	
SEFSC	SAFMC / GMFMC	<a href="#">Cobia - Gulf of Mexico</a>	2020	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC / GMFMC	<a href="#">King mackerel - Gulf of Mexico</a>	2020	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC / GMFMC	<a href="#">King mackerel - Southern Atlantic Coast</a>	2020	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC / GMFMC	<a href="#">Spanish mackerel - Gulf of Mexico</a>	2013	6	Operational Stock Assessment	No	
SEFSC	SAFMC / GMFMC	<a href="#">Spanish mackerel - Southern Atlantic Coast</a>	2013	6	Operational Stock Assessment	No	
SEFSC	SAFMC / GMFMC	<a href="#">Black grouper - Southern Atlantic Coast / Gulf of Mexico</a>	2010	6	Operational Stock Assessment	No	
SEFSC	SAFMC / GMFMC	<a href="#">Mutton snapper - Southern Atlantic Coast / Gulf of Mexico</a>	2015	6	Operational Stock Assessment	No	
SEFSC	SAFMC / GMFMC	<a href="#">Yellowtail snapper - Southern Atlantic Coast / Gulf of Mexico</a>	2022	6	Stock Monitoring Update	Yes	

Footnotes:

National Marine Fisheries Service  
Quarter 3 Fiscal Year 2023

Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	Stock	Last Assessment			Assessment Notes
			Fiscal Year	I Type <sup>3</sup>	Assessment Type <sup>4</sup>	
<p>1 - NOAA Fisheries Science Centers include Alaska Fisheries Science Center (AFSC), Northeast Fisheries Science Center (NEFSC), Northwest Fisheries Science Center (NWFSC), Pacific Islands Fisheries Science Center (PIFSC), Southeast Fisheries Science Center (SEFSC) and Southwest Fisheries Science Center (SWFSC). In some cases, assessments are conducted by multiple science centers (e.g. NW/SW and SW/PI).</p> <p>2 - Jurisdictions include Caribbean Fishery Management Council (CFMC), Gulf of Mexico Fishery Management Council (GMFMC), Atlantic Highly Migratory Species Division (HMS), Mid-Atlantic Fishery Management Council (MAFMC), New England Fishery Management Council (NEFMC), North Pacific Fishery Management Council (NPFMC), Pacific Fishery Management Council (PFMC), South Atlantic Fishery Management Council (SAFMC) and Western Pacific Fishery Management Council (WPFMC).</p> <p>3 - Assessment Model Type: Category of stock assessment model accepted for use in management, as described in the 2018 Next Generation Stock Assessment Improvement Plan document.            1 = Data-Limited (e.g. DBSRA, DCAC, Surplus Production MSY, Egg-Escapement, Mean Length Estimation)            2 = Index-Based (e.g. AIM, basic linear models and time series analyses)            3 = Aggregate Biomass Dynamics (e.g. Schaefer or Pella-Tomlinson Production Models, ASPIC, delay-difference models)            4 = Virtual Population Update (e.g. ADAPT, VPA-2BOX)            5 = Statistical Catch-at-Length (e.g. SCALE, SS, MultifanCL)            6 = Statistical Catch-at-Age (e.g. SS, ASAP, AMAK, BAM, MultifanCL, CASAL)</p> <p>4 The National Stock Assessment Program tracks and classifies its activities related to the provision of harvest recommendations based upon guidance established in the 2018 Next Generation Stock Assessment Improvement Plan document.  <b>Research Stock Assessment</b> - Efforts that develop or revise a stock assessment data type or method that are reviewed through the regional assessment review process. These efforts do not produce management advice, though they are occasionally paired with operational stock assessments.  <b>Operational Stock Assessment</b> - Analyses that utilize one or more of the categories of stock assessment models described in the "Model Class" field (Footnote 4). Within the range of Operational Stock Assessments will be first time applications of previously researched methods ("new" or "benchmark" assessments); applications with updated data streams and minor revisions to methods within the scope of previously researched themes; and applications that simply update the model with the most recent data.  <b>Stock Monitoring Update</b> - Activities labeled "Stock Monitoring Analyses" generally include activities that provide stock-level advice to fishery managers between stock assessments. These analyses include the methods described in the "Model Class" field (Footnote 4), but only when they are updated using the most recent catch information to develop new catch advice. These are sometimes called partial updates. Because there are no changes in the methods or data series in stock monitoring updates, just updated catch data, the conduct and review of these analyses does not warrant intense scrutiny.</p>						