

National Marine Fisheries Service
Quarter 3 Fiscal Year 2021

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) ¹	Jurisdiction ²	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type ³	Assessment Type ⁴	Adequate ?	
AFSC	NPFMC	Golden king crab - Aleutian Islands	2021	5	Operational Stock Assessment	Yes	Indicator stock - Golden king crab - Eastern Aleutian Islands Indicator stock - Golden king crab - Western Aleutian Islands
AFSC	NPFMC	Red king crab - Bristol Bay	2020	5	Operational Stock Assessment	Yes	
AFSC	NPFMC	Red king crab - Norton Sound	2021	5	Operational Stock Assessment	Yes	
AFSC	NPFMC	Snow crab - Bering Sea	2020	5	Operational Stock Assessment	Yes	
AFSC	NPFMC	Southern Tanner crab - Bering Sea	2020	5	Operational Stock Assessment	Yes	
AFSC	NPFMC	Alaska plaice - Bering Sea / Aleutian Islands	2021	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	Arrowtooth flounder - Bering Sea / Aleutian Islands	2021	6	Stock Monitoring Update	Yes	
AFSC	NPFMC	Atka mackerel - Bering Sea / Aleutian Islands	2021	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	Bering Sea / Aleutian Islands Flathead Sole Complex	2021	6	Operational Stock Assessment	Yes	Indicator stock - Flathead sole - Bering Sea / Aleutian Islands
AFSC	NPFMC	Bering Sea / Aleutian Islands Rock Sole Complex	2021	6	Stock Monitoring Update	Yes	Indicator stock - Northern rock sole - Bering Sea / Aleutian Islands
AFSC	NPFMC	Bering Sea / Aleutian Islands Skate Complex	2021	6	Stock Monitoring Update	Yes	Indicator stock - Alaska skate - Bering Sea / Aleutian Islands

National Marine Fisheries Service

Quarter 3 Fiscal Year 2021

Science Center(s) ¹	Jurisdiction ²	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type ³	Assessment Type ⁴	Adequate ?	
AFSC	NPFMC	Greenland halibut - Bering Sea / Aleutian Islands	2021	6	Stock Monitoring Update	Yes	
AFSC	NPFMC	Kamchatka flounder - Bering Sea / Aleutian Islands	2021	6	Stock Monitoring Update	Yes	
AFSC	NPFMC	Northern rockfish - Bering Sea / Aleutian Islands	2021	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	Pacific cod - Aleutian Islands	2021	2	Operational Stock Assessment	No	Accounting practices for 2021 changed the classification of this assessment
AFSC	NPFMC	Pacific cod - Bering Sea	2021	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	Pacific ocean perch - Bering Sea / Aleutian Islands	2021	6	Stock Monitoring Update	Yes	
AFSC	NPFMC	Walleye pollock - Bogoslof	2021	2	Operational Stock Assessment	No	Accounting practices for 2021 changed the classification of this assessment
AFSC	NPFMC	Walleye pollock - Aleutian Islands	2021	6	Stock Monitoring Update	Yes	
AFSC	NPFMC	Walleye pollock - Eastern Bering Sea	2021	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	Yellowfin sole - Bering Sea / Aleutian Islands	2021	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	Sablefish - Eastern Bering Sea / Aleutian Islands / Gulf of Alaska	2021	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	Arrowtooth flounder - Gulf of Alaska	2021	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	Dusky rockfish - Gulf of Alaska	2021	6	Stock Monitoring Update	Yes	
AFSC	NPFMC	Flathead sole - Gulf of Alaska	2021	6	Stock Monitoring Update	Yes	
AFSC	NPFMC	Gulf of Alaska Blackspotted and Rougheye Rockfish Complex	2021	6	Stock Monitoring Update	Yes	Assessed as a complex

National Marine Fisheries Service
Quarter 3 Fiscal Year 2021

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			Fiscal Year	I Type ³	Assessment Type ⁴	Adequate ?	
AFSC	NPFMC	Gulf of Alaska Demersal Shelf Rockfish Complex	2021	2	Operational Stock Assessment	No	Indicator stock - Yelloweye rockfish - Gulf of Alaska Accounting practices for 2021 changed the classification of this assessment
AFSC	NPFMC	Gulf of Alaska Shallow Water Flatfish Complex	2021	6	Stock Monitoring Update	Yes	Indicator stock -- Northern rock sole - Gulf of Alaska Indicator stock -- Rock sole - Gulf of Alaska
AFSC	NPFMC	Gulf of Alaska Thornyhead Rockfish Complex	2021	2	Operational Stock Assessment	No	Indicator stock - Shortspine thornyhead - Gulf of Alaska Accounting practices for 2021 changed the classification of this assessment
AFSC	NPFMC	Northern rockfish - Western / Central Gulf of Alaska	2021	6	Stock Monitoring Update	Yes	
AFSC	NPFMC	Pacific cod - Gulf of Alaska	2021	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	Pacific ocean perch - Gulf of Alaska	2021	6	Operational Stock Assessment	Yes	
AFSC	NPFMC	Rex sole - Gulf of Alaska	2021	6	Stock Monitoring Update	Yes	
AFSC	NPFMC	Shortraker rockfish - Gulf of Alaska	2020	2	Operational Stock Assessment	No	Accounting practices for 2021 changed the classification of this assessment
AFSC	NPFMC	Walleye pollock - Western / Central / West Yakutat Gulf of Alaska	2021	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC	Atlantic mackerel - Gulf of Maine / Cape Hatteras	2018	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC	Butterfish - Gulf of Maine / Cape Hatteras	2020	6	Operational Stock Assessment	Yes	

National Marine Fisheries Service
Quarter 3 Fiscal Year 2021

Science Center(s) ¹	Jurisdiction ²	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type ³	Assessment Type ⁴	Adequate ?	
NEFSC	MAFMC	Longfin inshore squid - Georges Bank / Cape Hatteras	2020	2	Operational Stock Assessment	No	
NEFSC	MAFMC	Northern shortfin squid - Northwestern Atlantic Coast	2006	2	Operational Stock Assessment	No	
NEFSC	MAFMC	Atlantic surfclam - Mid-Atlantic Coast	2020	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC	Ocean quahog - Atlantic Coast	2020	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC	Black sea bass - Mid-Atlantic Coast	2019	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC	Bluefish - Atlantic Coast	2019	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC	Scup - Atlantic Coast	2019	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC	Summer flounder - Mid-Atlantic Coast	2019	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC	Tilefish - Mid-Atlantic Coast	2017	6	Operational Stock Assessment	Yes	
NEFSC	MAFMC / NEFMC	Goosefish - Gulf of Maine / Northern Georges Bank	2019	2	Operational Stock Assessment	No	
NEFSC	MAFMC / NEFMC	Goosefish - Southern Georges Bank / Mid-Atlantic	2019	2	Operational Stock Assessment	No	
NEFSC	MAFMC / NEFMC	Spiny dogfish - Atlantic Coast	2018	5	Operational Stock Assessment	Yes	
NEFSC	NEFMC	Atlantic herring - Northwestern Atlantic Coast	2020	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	Sea scallop - Northwestern Atlantic Coast	2020	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	Acadian redfish - Gulf of Maine / Georges Bank	2020	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	American plaice - Gulf of Maine / Georges Bank	2020	4	Operational Stock Assessment	Yes	

National Marine Fisheries Service
Quarter 3 Fiscal Year 2021

Science Center(s) ¹	Jurisdiction ²	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type ³	Assessment Type ⁴	Adequate ?	
NEFSC	NEFMC	Atlantic cod - Georges Bank	2020	2	Operational Stock Assessment	No	
NEFSC	NEFMC	Atlantic cod - Gulf of Maine	2020	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	Atlantic halibut - Northwestern Atlantic Coast	2020	1	Operational Stock Assessment	No	Two assessments in FY2020
NEFSC	NEFMC	Haddock - Georges Bank	2020	4	Operational Stock Assessment	Yes	
NEFSC	NEFMC	Haddock - Gulf of Maine	2020	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	Pollock - Gulf of Maine / Georges Bank	2020	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	Red hake - Southern Georges Bank / Mid-Atlantic	2020	2	Operational Stock Assessment	No	
NEFSC	NEFMC	Silver hake - Gulf of Maine / Northern Georges Bank	2020	2	Operational Stock Assessment	No	
NEFSC	NEFMC	Silver hake - Southern Georges Bank / Mid-Atlantic	2020	2	Operational Stock Assessment	No	
NEFSC	NEFMC	White hake - Gulf of Maine / Georges Bank	2020	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	Winter flounder - Georges Bank	2020	4	Operational Stock Assessment	Yes	
NEFSC	NEFMC	Winter flounder - Gulf of Maine	2020	2	Operational Stock Assessment	No	
NEFSC	NEFMC	Winter flounder - Southern New England / Mid-Atlantic	2020	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	Witch flounder - Northwestern Atlantic Coast	2020	2	Operational Stock Assessment	No	
NEFSC	NEFMC	Yellowtail flounder - Cape Cod / Gulf of Maine	2020	4	Operational Stock Assessment	Yes	

National Marine Fisheries Service

Quarter 3 Fiscal Year 2021

Science Center(s) ¹	Jurisdiction ²	Stock	Last Assessment				Assessment Notes
			Fiscal Year	I Type ³	Assessment Type ⁴	Adequate ?	
NEFSC	NEFMC	Yellowtail flounder - Southern New England / Mid-Atlantic	2020	6	Operational Stock Assessment	Yes	
NEFSC	NEFMC	Little skate - Georges Bank / Southern New England	2019	2	Operational Stock Assessment	No	
NEFSC	NEFMC	Winter skate - Georges Bank / Southern New England	2020	2	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	Northern anchovy - Southern Pacific Coast	1996	2	Operational Stock Assessment	No	Assessment not available in Stock SMART
NWFSC / SWFSC	PFMC	Pacific chub mackerel - Pacific Coast	2021	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	Pacific sardine - Pacific Coast	2021	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	Arrowtooth flounder - Pacific Coast	2017	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	Aurora rockfish - Pacific Coast	2013	6	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	Big skate - Pacific coast	2019	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	Black rockfish - California	2019	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	Black rockfish - Oregon	2019	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	Blackgill rockfish - Southern California	2019	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	Bocaccio - Southern Pacific Coast	2017	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	Brown rockfish - Pacific Coast	2014	3	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	Cabezon - California	2019	6	Operational Stock Assessment	Yes	Indicator stock -- Cabezon - Northern California
							Indicator stock -- Cabezon - Southern California

National Marine Fisheries Service
Quarter 3 Fiscal Year 2021

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NWFSC / SWFSC	PFMC	Cabezon - Oregon	2019	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	California Blue and Deacon Rockfish Complex	2019	6	Stock Monitoring Update	Yes	Assessed as a complex
NWFSC / SWFSC	PFMC	California scorpionfish - Southern California	2017	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	Canary rockfish - Pacific Coast	2020	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	Chilipepper - Southern Pacific Coast	2017	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	Cowcod - Southern California	2019	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	Darkblotched rockfish - Pacific Coast	2019	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	Dover sole - Pacific Coast	2021	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	English sole - Pacific Coast	2013	3	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	Gopher rockfish - Northern California	2019	6	Operational Stock Assessment	Yes	Assessed as: Gopher / Black-and-Yellow Rockfish Complex
NWFSC / SWFSC	PFMC	Kelp greenling - Oregon	2015	6	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	Lingcod - Northern Pacific Coast	2019	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	Lingcod - Southern Pacific Coast	2019	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	Longnose skate - Pacific Coast	2019	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	Longspine thornyhead - Pacific Coast	2019	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	Oregon Blue and Deacon Rockfish Complex	2017	6	Operational Stock Assessment	Yes	

National Marine Fisheries Service
Quarter 3 Fiscal Year 2021

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NWFSC / SWFSC	PFMC	Pacific ocean perch - Pacific Coast	2018	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	Pacific sanddab - Pacific Coast	2013	6	Operational Stock Assessment	No	Partial acceptance - Status determinations only
NWFSC / SWFSC	PFMC	Petrale sole - Pacific Coast	2019	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	Rex sole - Pacific Coast	2013	3	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	Sablefish - Pacific Coast	2021	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	Sharpchin rockfish - Pacific Coast	2013	3	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	Shortbelly rockfish - Pacific Coast	2007	6	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	Shortspine thornyhead - Pacific Coast	2020	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	Spiny dogfish - Pacific Coast	2011	6	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	Stripetail rockfish - Pacific Coast	2013	3	Operational Stock Assessment	No	
NWFSC / SWFSC	PFMC	Vermilion rockfish - California	2006	-6	Operational Stock Assessment	No	Results not considered suitable for use in management. No previous assessment.
NWFSC / SWFSC	PFMC	Widow rockfish - Pacific Coast	2019	6	Stock Monitoring Update	Yes	
NWFSC / SWFSC	PFMC	Yellowtail rockfish - Northern Pacific Coast	2017	6	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	Chinook salmon - California Central Valley: Sacramento River Fall	2021	3	Operational Stock Assessment	Yes	
NWFSC / SWFSC	PFMC	Chinook salmon - Northern California Coast: Klamath River Fall	2021	4	Operational Stock Assessment	Yes	

National Marine Fisheries Service

Quarter 3 Fiscal Year 2021

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PIFSC	WPFMC	American Samoa Bottomfish Multi-species Complex	2019	3	Operational Stock Assessment	Yes	Stock assessed as a complex
PIFSC	WPFMC	Green Jobfish - Main Hawaiian Islands	2020	5	Operational Stock Assessment	Yes	
PIFSC	WPFMC	Guam Bottomfish Multi-species Complex	2019	3	Operational Stock Assessment	Yes	Stock assessed as a complex
PIFSC	WPFMC	Main Hawaiian Islands Deep 7 Bottomfish Multi-species Complex	2021	3	Operational Stock Assessment	Yes	Stock assessed as a complex
PIFSC	WPFMC	Northern Mariana Islands Bottomfish Multi-species Complex	2019	3	Operational Stock Assessment	Yes	Stock assessed as a complex
PIFSC	WPFMC	Spanner crab - Main Hawaiian Islands	2019	3	Operational Stock Assessment	Yes	
SEFSC	CFMC	Caribbean spiny lobster - Puerto Rico	2020	6	Operational Stock Assessment	Yes	
SEFSC	CFMC	Caribbean spiny lobster - St. Croix	2020	6	Operational Stock Assessment	Yes	
SEFSC	CFMC	Caribbean spiny lobster - St. Thomas / St. John	2020	6	Operational Stock Assessment	Yes	
SEFSC	GMFMC	Gag - Gulf of Mexico	2014	6	Operational Stock Assessment	No	
SEFSC	GMFMC	Gray snapper - Gulf of Mexico	2018	6	Operational Stock Assessment	Yes	
SEFSC	GMFMC	Gray triggerfish - Gulf of Mexico	2021	6	Stock Monitoring Update	Yes	
SEFSC	GMFMC	Greater amberjack - Gulf of Mexico	2021	6	Operational Stock Assessment	Yes	
SEFSC	GMFMC	Hogfish - Eastern Gulf of Mexico	2018	6	Operational Stock Assessment	Yes	
SEFSC	GMFMC	Lane snapper - Gulf of Mexico	2020	1	Operational Stock Assessment	No	
SEFSC	GMFMC	Red grouper - Gulf of Mexico	2020	6	Operational Stock Assessment	Yes	

National Marine Fisheries Service
Quarter 3 Fiscal Year 2021

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SEFSC	GMFMC	Red snapper - Gulf of Mexico	2021	6	Stock Monitoring Update	Yes	
SEFSC	GMFMC	Tilefish - Gulf of Mexico	2011	6	Operational Stock Assessment	No	Partial acceptance - Status determinations only
SEFSC	GMFMC	Vermilion snapper - Gulf of Mexico	2020	6	Operational Stock Assessment	Yes	
SEFSC	GMFMC	Yellowedge grouper - Gulf of Mexico	2011	6	Operational Stock Assessment	No	
SEFSC	GMFMC	Brown shrimp - Gulf of Mexico	2019	5	Operational Stock Assessment	Yes	
SEFSC	GMFMC	Pink shrimp - Gulf of Mexico	2019	5	Operational Stock Assessment	Yes	
SEFSC	GMFMC	Royal red shrimp - Gulf of Mexico	2020	2	Operational Stock Assessment	No	
SEFSC	GMFMC	White shrimp - Gulf of Mexico	2019	5	Operational Stock Assessment	Yes	
SEFSC	HMS	Atlantic sharpnose shark - Atlantic	2014	6	Operational Stock Assessment	No	Partial acceptance - Status determinations only
SEFSC	HMS	Atlantic sharpnose shark - Gulf of Mexico	2014	6	Operational Stock Assessment	No	Partial acceptance - Status determinations only
SEFSC	HMS	Blacknose shark - Atlantic	2011	6	Operational Stock Assessment	No	
SEFSC	HMS	Blacktip shark - Atlantic	2021	6	Operational Stock Assessment	Yes	
SEFSC	HMS	Blacktip shark - Gulf of Mexico	2018	6	Operational Stock Assessment	Yes	
SEFSC	HMS	Finetooth shark - Atlantic and Gulf of Mexico	2008	3	Operational Stock Assessment	No	
SEFSC	HMS	Lemon shark - Atlantic and Gulf of Mexico	2006	3	Operational Stock Assessment	No	Assessment for Atlantic Large Coastal Shark Complex. Results not considered suitable for us in management. No previous assessment.

National Marine Fisheries Service

Quarter 3 Fiscal Year 2021

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

National Marine Fisheries Service

Quarter 3 Fiscal Year 2021

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SEFSC	SAFMC	Gray triggerfish - Southern Atlantic Coast	2016	-6	Operational Stock Assessment	No	Results not considered suitable for use in management. No previous accepted assessment.
SEFSC	SAFMC	Greater amberjack - Southern Atlantic Coast	2020	5	Operational Stock Assessment	Yes	
SEFSC	SAFMC	Red grouper - Southern Atlantic Coast	2017	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC	Red porgy - Southern Atlantic Coast	2020	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC	Red snapper - Southern Atlantic Coast	2021	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC	Scamp - Southern Atlantic Coast	1998	6	Operational Stock Assessment	No	Assessment not available in Stock SMART
SEFSC	SAFMC	Snowy grouper - Southern Atlantic Coast	2021	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC	Tilefish - Southern Atlantic Coast	2021	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC	Vermilion snapper - Southern Atlantic Coast	2018	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC / GMFMC	Cobia - Gulf of Mexico	2020	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC / GMFMC	King mackerel - Gulf of Mexico	2020	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC / GMFMC	King mackerel - Southern Atlantic Coast	2020	6	Operational Stock Assessment	Yes	
SEFSC	SAFMC / GMFMC	Spanish mackerel - Gulf of Mexico	2013	6	Operational Stock Assessment	No	
SEFSC	SAFMC / GMFMC	Spanish mackerel - Southern Atlantic Coast	2013	6	Operational Stock Assessment	No	
SEFSC	SAFMC / GMFMC	Black grouper - Southern Atlantic Coast / Gulf of Mexico	2010	6	Operational Stock Assessment	No	

National Marine Fisheries Service
Quarter 3 Fiscal Year 2021

Science Center(s) ¹	Jurisdiction ²	Stock	Last Assessment				Assessment Notes
			Fiscal Year	Assessment Type ³	Assessment Type ⁴	Adequate ?	
SEFSC	SAFMC / GMFMC	Mutton snapper - Southern Atlantic Coast / Gulf of Mexico	2015	6	Operational Stock Assessment	No	
SEFSC	SAFMC / GMFMC	Yellowtail snapper - Southern Atlantic Coast / Gulf of Mexico	2020	6	Operational Stock Assessment	Yes	

Footnotes:

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).

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).

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)

4 - Assessment Type: Categorizes the extent to which changes were explored within the assessment model during the stock assessment. Also describes the general level of reviewer scrutiny. These categories are fully described in the 2018 Next Generation Stock Assessment Improvement Plan document.

Operational Stock Assessment - Analyses that include 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.

Stock Monitoring Update - Analyses that are generally limited in scope, updating previously utilized models with the most recent catch information to develop new management advice. These are sometimes called partial updates. Because there are no changes in the methods or data series, just updated catch data, these analyses does not warrant intense scrutiny.