

National Marine Fisheries Service  
Quarter 3 Fiscal Year 2021

**Appendix C. Planned assessments for FSSI and non-FSSI stocks for quarter four of FY 2021. Information is best available provided by NOAA Fisheries Science Centers and subject to change.**

**Planned Assessments for FSSI and Non-FSSI Stocks - FY 2021 Quarter 4 (July - September, 2021)**

Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	FSSI / Non-FSSI <sup>3</sup>	Stock	Model Class <sup>4</sup>	Planned Asmt Type <sup>5</sup>	Notes
AFSC	NPFMC	Non-FSSI	Blue king crab - St. Matthew Island	5	Operational Stock Assessment	
AFSC	NPFMC	Non-FSSI	Chinook salmon - Eastern North Pacific Far North Migrating	4	Operational Stock Assessment	
AFSC	NPFMC	Non-FSSI	Coho salmon - Auke Creek	4	Operational Stock Assessment	
AFSC	NPFMC	Non-FSSI	Coho salmon - Berners River	4	Operational Stock Assessment	
AFSC	NPFMC	Non-FSSI	Coho salmon - Hugh Smith Lake	4	Operational Stock Assessment	
AFSC	NPFMC	FSSI	Red king crab - Bristol Bay	5	Operational Stock Assessment	
AFSC	NPFMC	Non-FSSI	Red king crab - Pribilof Islands	5	Operational Stock Assessment	
AFSC	NPFMC	FSSI	Snow crab - Bering Sea	5	Operational Stock Assessment	
AFSC	NPFMC	FSSI	Southern Tanner crab - Bering Sea	5	Operational Stock Assessment	
<b>NEFSC</b>	<b>MAFMC</b>	<b>FSSI</b>	<b>Atlantic mackerel - Gulf of Maine / Cape Hatteras</b>	<b>6</b>	<b>Operational Stock Assessment</b>	<b>Delayed from Q3</b>
<b>NEFSC</b>	<b>MAFMC</b>	<b>FSSI</b>	<b>Black sea bass - Mid-Atlantic Coast</b>	<b>6</b>	<b>Operational Stock Assessment</b>	<b>Delayed from Q3</b>
<b>NEFSC</b>	<b>MAFMC</b>	<b>FSSI</b>	<b>Bluefish - Atlantic Coast</b>	<b>6</b>	<b>Operational Stock Assessment</b>	<b>Delayed from Q3</b>
<b>NEFSC</b>	<b>MAFMC</b>	<b>FSSI</b>	<b>Scup - Atlantic Coast</b>	<b>6</b>	<b>Operational Stock Assessment</b>	<b>Delayed from Q3</b>
<b>NEFSC</b>	<b>MAFMC</b>	<b>FSSI</b>	<b>Summer flounder - Mid-Atlantic Coast</b>	<b>6</b>	<b>Operational Stock Assessment</b>	<b>Delayed from Q3</b>

National Marine Fisheries Service  
Quarter 3 Fiscal Year 2021

Planned Assessments for FSSI and Non-FSSI Stocks - FY 2021 Quarter 4 (July - September, 2021)						
Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	FSSI / Non-FSSI <sup>3</sup>	Stock	Model Class <sup>4</sup>	Planned Asmt Type <sup>5</sup>	Notes
<b>NEFSC</b>	<b>MAFMC</b>	<b>FSSI</b>	<b>Tilefish - Mid-Atlantic Coast</b>	<b>6</b>	<b>Operational Stock Assessment</b>	<b>Delayed from Q3</b>
NEFSC	NEFMC	FSSI	American plaice - Gulf of Maine / Georges Bank	4	Operational Stock Assessment	
NEFSC	NEFMC	FSSI	Atlantic cod - Georges Bank	2	Operational Stock Assessment	
NEFSC	NEFMC	Non-FSSI	Atlantic cod - Eastern Georges Bank	2	Operational Stock Assessment	TRAC Stock
NEFSC	NEFMC	FSSI	Atlantic cod - Gulf of Maine	6	Operational Stock Assessment	
NEFSC	NEFMC	Non-FSSI	Barndoor skate - Georges Bank / Southern New England	2	Operational Stock Assessment	
NEFSC	NEFMC	Non-FSSI	Clearnose skate - Southern New England / Mid-Atlantic	2	Operational Stock Assessment	
<b>NEFSC</b>	<b>NEFMC</b>	<b>Non-FSSI</b>	<b>Haddock - Eastern Georges Bank</b>	<b>2</b>	<b>Operational Stock Assessment</b>	<b>TRAC Stock, missing from initial schedule</b>
NEFSC	NEFMC	FSSI	Haddock - Georges Bank	4	Operational Stock Assessment	Potential for 2 stock assessments, 1 being research track
NEFSC	NEFMC	FSSI	Haddock - Gulf of Maine	6	Operational Stock Assessment	Potential for 2 stock assessments, 1 being research track
NEFSC	NEFMC	FSSI	Little skate - Georges Bank / Southern New England	2	Operational Stock Assessment	
NEFSC	NEFMC	FSSI	Pollock - Gulf of Maine / Georges Bank	6	Operational Stock Assessment	
NEFSC	NEFMC	Non-FSSI	Rosette skate - Southern New England / Mid-Atlantic	2	Operational Stock Assessment	
NEFSC	NEFMC	FSSI	Sea scallop - Northwestern Atlantic Coast	6	Operational Stock Assessment	
NEFSC	NEFMC	Non-FSSI	Smooth skate - Gulf of Maine	2	Operational Stock Assessment	
NEFSC	NEFMC	Non-FSSI	Thorny skate - Gulf of Maine	2	Operational Stock Assessment	

## National Marine Fisheries Service

Quarter 3 Fiscal Year 2021

Planned Assessments for FSSI and Non-FSSI Stocks - FY 2021 Quarter 4 (July - September, 2021)						
Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	FSSI / Non-FSSI <sup>3</sup>	Stock	Model Class <sup>4</sup>	Planned Asmt Type <sup>5</sup>	Notes
NEFSC	NEFMC	FSSI	White hake - Gulf of Maine / Georges Bank	6	Operational Stock Assessment	
<b>NEFSC</b>	<b>NEFMC</b>	<b>Non-FSSI</b>	<b>Yellowtail flounder - Georges Bank</b>	<b>2</b>	<b>Operational Stock Assessment</b>	<b>TRAC Stock, missing from initial schedule</b>
NEFSC	NEFMC	FSSI	Winter skate - Georges Bank / Southern New England	2	Operational Stock Assessment	
NEFSC	NEFMC	FSSI	Witch flounder - Northwestern Atlantic Coast	2	Operational Stock Assessment	
NEFSC	NEFMC	FSSI	Yellowtail flounder - Cape Cod / Gulf of Maine	4	Operational Stock Assessment	
NEFSC	NEFMC	FSSI	Yellowtail flounder - Southern New England / Mid-Atlantic	6	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	FSSI	Arrowtooth flounder - Pacific Coast	6	Stock Monitoring Update	
NWFSC / SWFSC	PFMC	FSSI	Canary rockfish - Pacific Coast	6	Stock Monitoring Update	
<b>NWFSC / SWFSC</b>	<b>PFMC</b>	<b>Non-FSSI</b>	<b>Copper rockfish - Pacific Coast</b>	<b>3</b>	<b>Operational Stock Assessment</b>	<b>Likely to include four, separate area-based models, Delayed from Q3</b>
NWFSC / SWFSC	PFMC	FSSI	Darkblotched rockfish - Pacific Coast	6	Stock Monitoring Update	
NWFSC / SWFSC	PFMC	FSSI	Lingcod - Northern Pacific Coast	6	Operational Stock Assessment	Potential for a third assessment area to be added
NWFSC / SWFSC	PFMC	FSSI	Lingcod - Southern Pacific Coast	6	Operational Stock Assessment	Potential for a third assessment area to be added
NWFSC / SWFSC	PFMC	FSSI	Petrale sole - Pacific Coast	6	Stock Monitoring Update	
<b>NWFSC / SWFSC</b>	<b>PFMC</b>	<b>Non-FSSI</b>	<b>Quillback rockfish - Pacific Coast</b>	<b>3</b>	<b>Operational Stock Assessment</b>	<b>Complex member, Delayed from Q3</b>
<b>NWFSC / SWFSC</b>	<b>PFMC</b>	<b>Non-FSSI</b>	<b>Squarespot rockfish - Pacific Coast</b>	<b>3</b>	<b>Operational Stock Assessment</b>	<b>Complex member, Delayed from Q3</b>
<b>NWFSC / SWFSC</b>	<b>PFMC</b>	<b>FSSI</b>	<b>Spiny dogfish - Pacific Coast</b>	<b>3</b>	<b>Operational Stock Assessment</b>	<b>Delayed from Q3</b>

National Marine Fisheries Service  
Quarter 3 Fiscal Year 2021

<b>Planned Assessments for FSSI and Non-FSSI Stocks - FY 2021 Quarter 4 (July - September, 2021)</b>						
Science Center(s) <sup>1</sup>	Jurisdiction <sup>2</sup>	FSSI / Non-FSSI <sup>3</sup>	Stock	Model Class <sup>4</sup>	Planned Asmt Type <sup>5</sup>	Notes
NWFSC / SWFSC	PFMC	FSSI	Vermilion and Sunset rockfish - Southern California	6	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	FSSI	Vermilion and Sunset rockfish - Northern California	6	Operational Stock Assessment	
NWFSC / SWFSC	PFMC	Non-FSSI	Vermilion and Sunset rockfish - Oregon	6	Operational Stock Assessment	
PIFSC	WPFMC	Non-FSSI	Blue shark - Southwest Pacific	6	Operational Stock Assessment	First assessment of this stock
PIFSC	WPFMC	Non-FSSI	Swordfish - Southwest Pacific	6	Operational Stock Assessment	
<b>SEFSC</b>	<b>GMFMC</b>	<b>FSSI</b>	<b>Brown shrimp - Gulf of Mexico</b>	<b>5</b>	<b>Operational Stock Assessment</b>	<b>Research track assessment planned, Delayed from Q2</b>
<b>SEFSC</b>	<b>GMFMC</b>	<b>FSSI</b>	<b>Gag - Gulf of Mexico</b>	<b>6</b>	<b>Operational Stock Assessment</b>	<b>Delayed from Q3</b>
<b>SEFSC</b>	<b>GMFMC</b>	<b>FSSI</b>	<b>Pink shrimp - Gulf of Mexico</b>	<b>5</b>	<b>Operational Stock Assessment</b>	<b>Research track assessment planned, Delayed from Q2</b>
<b>SEFSC</b>	<b>GMFMC</b>	<b>FSSI</b>	<b>Royal red shrimp - Gulf of Mexico</b>	<b>2</b>	<b>Operational Stock Assessment</b>	<b>Research track assessment planned, Delayed from Q2</b>
SEFSC	GMFMC	Non-FSSI	Scamp - Gulf of Mexico	6	Operational Stock Assessment	
<b>SEFSC</b>	<b>GMFMC</b>	<b>FSSI</b>	<b>White shrimp - Gulf of Mexico</b>	<b>5</b>	<b>Operational Stock Assessment</b>	<b>Research track assessment planned, Delayed from Q2</b>
SEFSC	SAFMC	FSSI	Scamp - Southern Atlantic Coast	6	Operational Stock Assessment	
SWFSC / PIFSC	PFMC / WPFMC	Non-FSSI	Albacore - North Pacific	6	Operational Stock Assessment	

National Marine Fisheries Service  
Quarter 3 Fiscal Year 2021

**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 FSSI refers to federally managed stocks and stock complexes included on the Fish Stock Sustainability Index. Non-FSSI refers to federally managed stocks and stock complexes not included on the Fish Stock Sustainability Index. INT refers to international stocks.

4 Assessment Model Category: 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)

5 In FY19, the National Stock Assessment Program adapted how it tracks and classifies its activities related to the provision of harvest recommendations. The changes reflect the guidance established in the 2018 Next Generation Stock Assessment Improvement Plan document.

Operational Stock Assessment - Activities labeled "Operational Stock Assessments" include 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.

Stock Monitoring Update - 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.

\* Changes in the assessment schedule are indicated by red font.