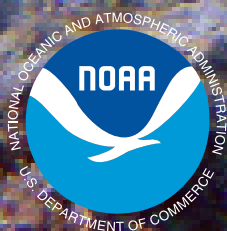
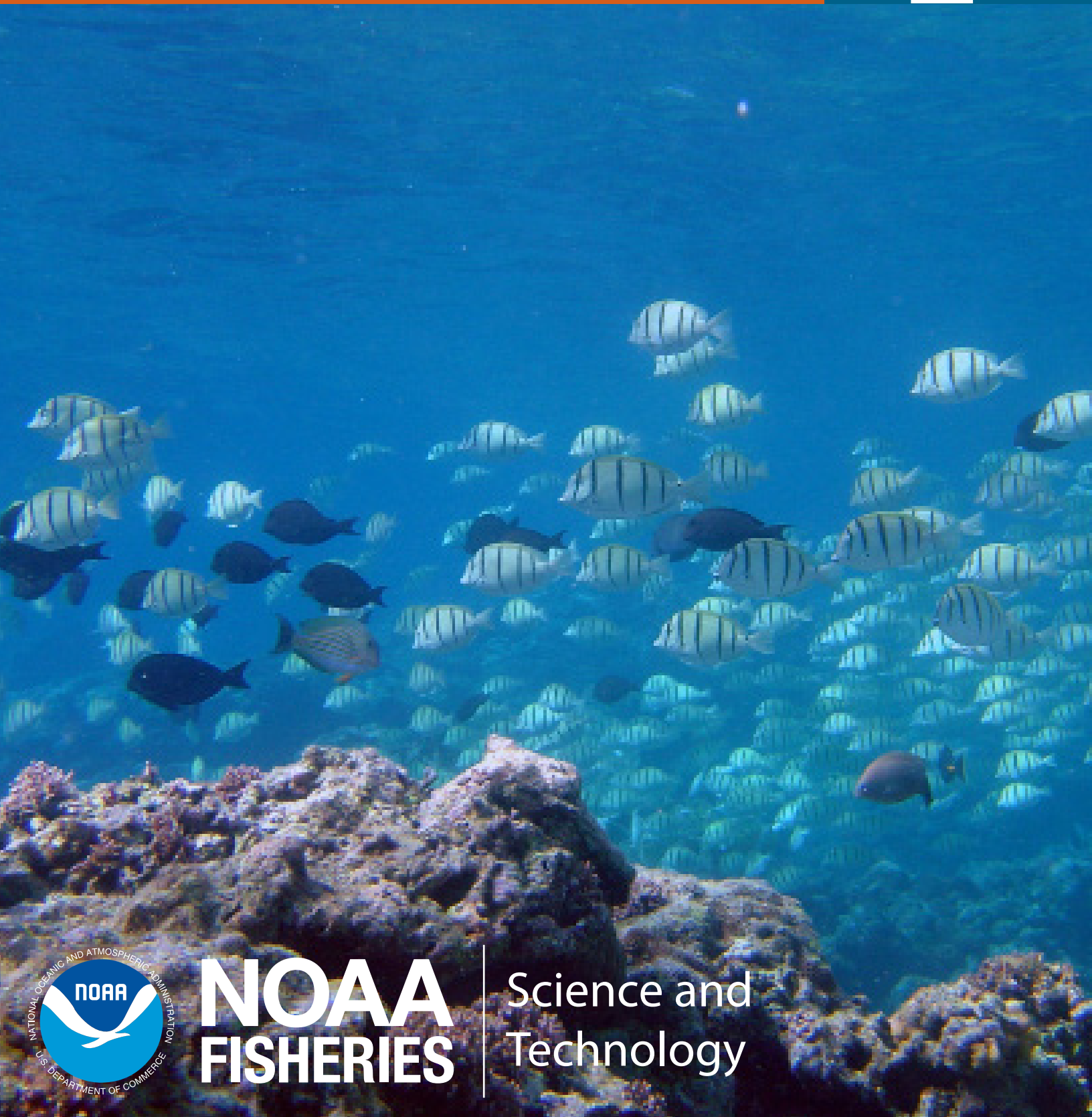


Fish Assessment Report

FY 2016 Quarter 4 Update

4

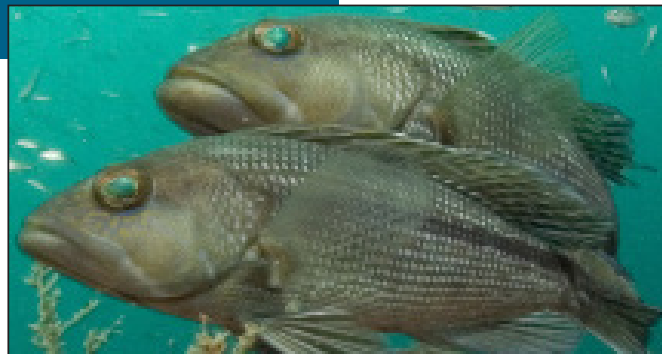


NOAA
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Science and
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Overview

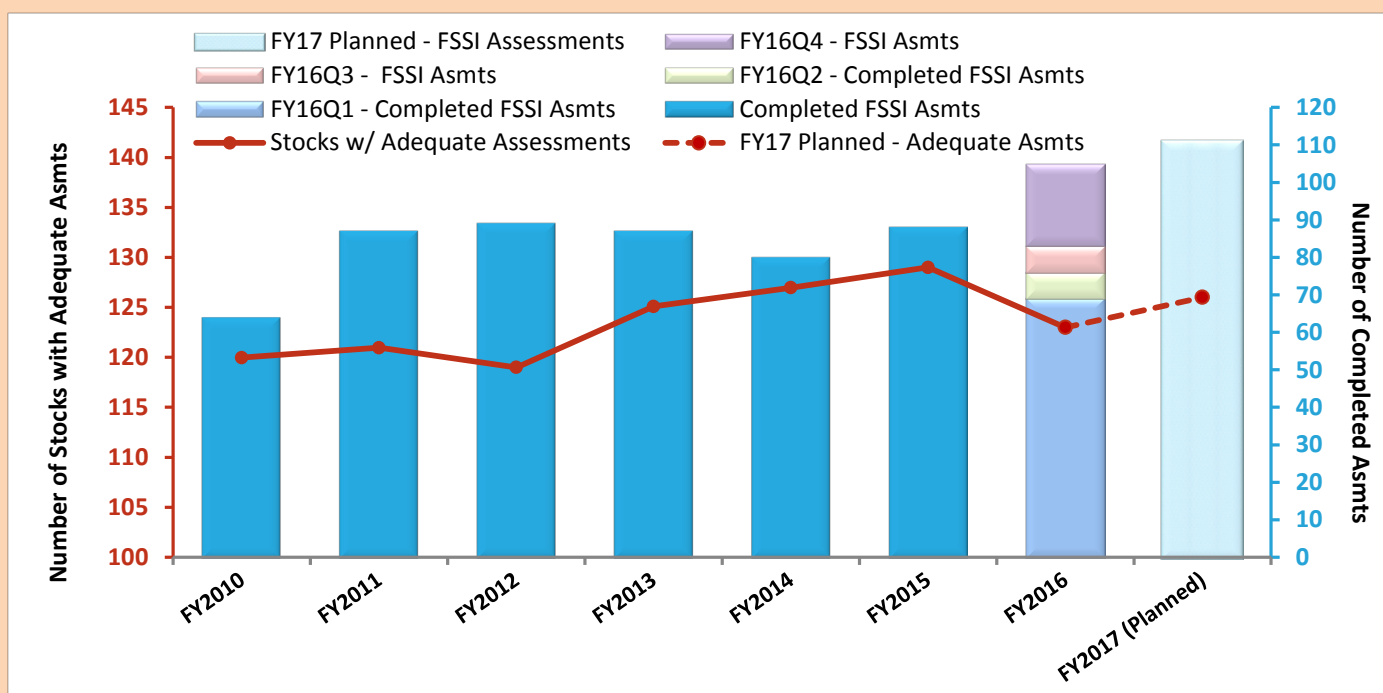
Stock assessments are key to sustainable fisheries management. They provide scientific information to determine the status of fish stocks and to set annual catch limits (ACLs) that prevent overfishing and optimize yield from our Nation's fisheries. This Fish Assessment Report provides a quarterly update on the status of NOAA Fisheries assessment activities for federally managed fish stocks. For more information on stock assessments and how they are conducted please see the FAQ's on page 7 of this report.



Black sea bass, *Centropristis striata*

NOAA Fisheries works with its partners in each management area to conduct assessments for each fish stock or stock complex, selecting assessment level, type, and frequency based on a variety of factors such as fishery importance, ecosystem importance, stock biology, status of the stock, data availability, and assessment capacity. U.S. fish stocks are divided into two general categories for developing national reports. The most commercially and recreationally important domestic stocks are tracked as components of the Fish Stock Sustainability Index (FSSI). These 199 stocks are collectively referred to as 'FSSI stocks' and account for 85% of total fisheries catch. In FY2016 NOAA Fisheries completed assessments for 105 of the 199 FSSI stocks. The remaining (non-FSSI) stocks consist of 274 federally managed stocks and stock complexes. While there is often a high priority for assessing FSSI stocks, stock status and ACLs must be set for non-FSSI stocks as well. In FY2016 NOAA Fisheries completed 102 assessments for non-FSSI stocks, complexes, or stock complex members.

NOAA Fisheries Assessment Trends for FSSI Stocks



Recent and projected assessment activity for federally managed stocks in the Fish Stock Sustainability Index (FSSI) at the end of FY2016 (123/199 or 61.8%). This number is decreased from previous quarters due to 11 assessments sunsetting (i.e. will be greater than 5 years old). These sunsets were anticipated as a side-effect of an ongoing effort to provide scientific information for many non-FSSI stocks, for which first-time assessments will be conducted.

Assessments this Quarter

During Quarter 4, 29 stocks were assessed, including 22 FSSI and 7 non-FSSI stocks

During Quarter 4, 22 assessments were completed for FSSI stocks and stock complexes. In addition, seven assessments were completed for non-FSSI stocks and stock complexes bringing the total number of assessments conducted during FY2016 to 207 (see Table 1).

The assessments completed this quarter were primarily for groundfish stocks in the Northeast, several Alaska salmon stocks, and international assessments of Pacific highly migratory species. The only other assessment was for Dusky shark in the Southeast. All assessments completed in Q4 were positively reviewed by their regional peer review processes.

Many assessments were delayed during Q4 FY2016. The majority of the delays occurred in the Pacific Islands, where 26 assessments have been delayed until Q3 FY2017. These assessments are all first-time assessments of Pacific Islands reef fish, and have been delayed since the start of FY2016 due to difficulties in scheduling peer reviews for the assessments. Two other Pacific HMS stocks were delayed: Striped marlin - Eastern Pacific and Swordfish - Eastern Pacific. Both stocks are assessed by multiple international partners. That group experienced difficulty reaching

agreement on the best assessment approach.

In the Southeast, six assessments were delayed and are now expected to be completed in Q3 FY2017. All of the delayed assessments were Caribbean data-limited stocks and were part of the first implementation of data-limited assessment toolbox there. The toolbox is designed to apply a suite of data-limited assessment approaches to multiple data-limited stocks simultaneously. Delays in the process have been attributed to challenges locating appropriate reviewers and in navigating the data-limited assessment process for the first time. In the Northeast, Atlantic Surfclam - Mid-Atlantic Coast was delayed to Q1 FY2017 as a result of delays in the review process.

NOAA Fisheries will be publishing an update to its Stock Assessment Improvement Plan in 2017. An important component of this plan is improved assessment protocols and review processes such that a greater number of assessments can be updated each year. At the end of FY2016, the percentage of FSSI stocks with adequate assessments is 61.8% (123/199). See description of "adequate" on the following page.

Table 1. FY2016 Completed Assessments

Science Center(s)	Quarter 1		Quarter 2		Quarter 3		Quarter 4		Quarter 4 Highlights
	FSSI	Non-FSSI	FSSI	Non-FSSI	FSSI	Non-FSSI	FSSI	Non-FSSI	
Northeast	19	0	3	0	1	1	21	0	Summer flounder - Mid-Atlantic Coast
Southeast	9	1	1	0	4	0	1	0	Dusky shark - Atlantic and Gulf of Mexico
Northwest and Southwest ¹	4	0	2	64	0	0	0	0	None Planned
Southwest	0	0	0	0	1	0	0	0	None Planned
Alaska	37	22	1	0	1	3	0	5	Coho salmon stocks
Pacific Islands	0	0	0	0	0	0	0	1	Blue marlin - Pacific
Southwest and Pacific Islands ²	0	0	0	0	0	3	0	1	Pacific bluefin tuna - Pacific

Footnotes:

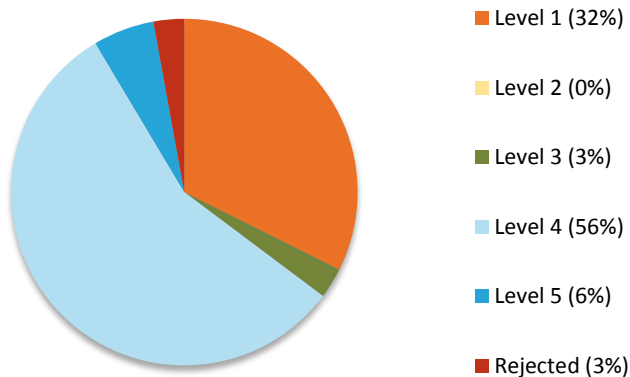
¹ The Northwest and Southwest Fisheries Science Centers jointly conduct assessments for Pacific coast groundfish and Pacific coast salmon.

² The Southwest and Pacific Islands Fisheries Science Centers jointly conduct assessments for U.S. West Coast Fisheries for Highly Migratory Species and Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem.

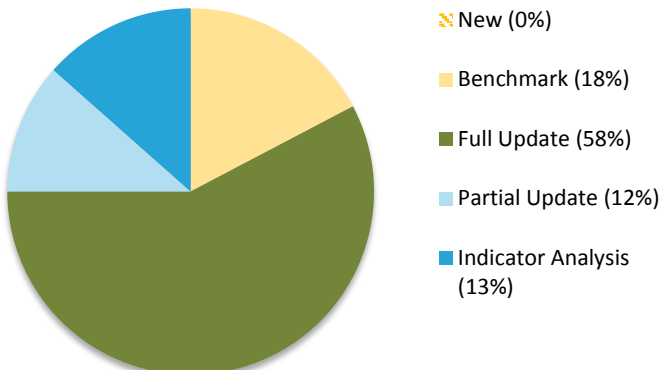
Model Complexity and Assessment Type

In Q4 FY2016, 22 FSSI stocks were assessed. Five of those assessments provide the full suite of assessment advice so are considered adequate (level 3 or higher). Three were full updates and two were partial updates. For non-FSSI stocks, all seven of the assessments were completed at level three or higher ("adequacy" is reported only for FSSI stocks). Index-based and simple life history approaches (level 1 and 2), along with indicator analyses (level 1), were conducted for 17 FSSI stocks. These assessments provide important science-based advice for the management of data-limited stocks but fall below the "adequate" threshold. Assessment levels and types for all assessments completed during FY2016 are shown in the figures below.

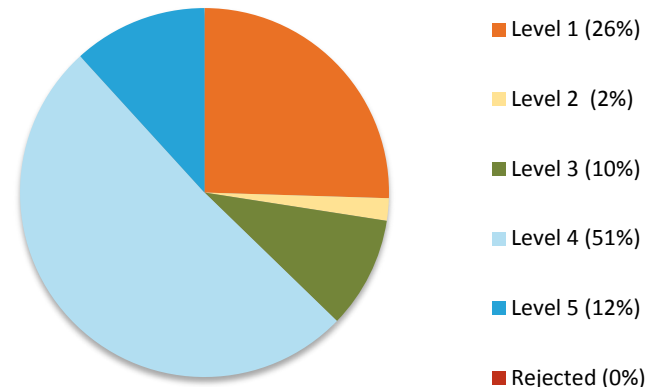
FSSI Assessment Levels



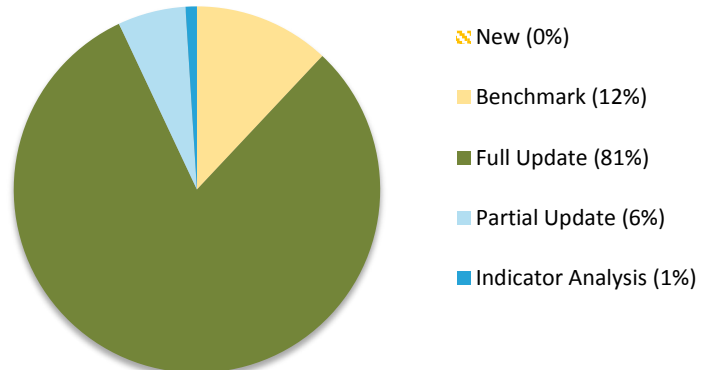
FSSI Assessment Types



Non-FSSI Assessment Levels



Non-FSSI Assessment Types



Assessment Level	Description
1	An indicator analysis using time series of survey data, catch and effort, or a onetime abundance estimate
2	Simple equilibrium models applied to life history information; e.g. yield per recruit based on mortality
3	Equilibrium and non-equilibrium production models aggregated over age and/or over size
4	Size, stage, or age structured models
5	Level 3 or 4 models that directly include ecosystem considerations

Assessment Type	Description
New	First assessment conducted for a given stock
Benchmark	Comprehensive investigations using assessment approaches that substantially differ from previous iterations
Full Update	Assessments that include the most recent year of survey data and minor revisions to the assessment model
Partial Update	Assessments that used the latest catch estimates to advance the previous projections by one or more years
Indicator Analysis	Examination of recent trends in fishery independent survey data, catch estimates, or other possible indicators

National Highlight: Stock Assessment Cost Analysis

Stock assessments provide the scientific underpinning of sustainable fishery harvest management. They measure stock status and project harvest levels that optimize yield while preventing overfishing, rebuilding depleted stocks, and protecting the marine ecosystem. Stock assessments constitute a major effort and comprise a significant portion of NOAA Fisheries' annual budget.

NOAA Fisheries recently analyzed spending associated with assessments conducted between fiscal years 2011 and 2015. The NOAA Fisheries Stock Assessment Enterprise annual operating budget is estimated to be approximately \$215 M in support of stock assessment-related work conducted across six regional fisheries science centers. These activities represent an end-to-end enterprise, with scientific data collected by way of many multi-species sampling programs. While these programs are fundamental to conducting stock assessments, they also support additional activities such as fishery monitoring, protected species management, ecosystem-based fishery management, scientific research, etc. Three of the primary activities conducted to support stock assessments are:

Scientific Surveys – Over 40 fishery-independent surveys are conducted annually using a combination of NOAA ships and chartered vessels. These multi-species surveys provide the data necessary to estimate changes in fish stock abundance, basic biological information, and support numerous additional activities (as noted above). The assessment process is more efficient when a single type of fishery-independent survey can provide good coverage for a large number of stocks. The bottom trawl surveys of Alaska, the west coast, and the Northeast shelf each has sufficient geographic coverage to provide the fundamental foundation for assessment of a large number of stocks in those regions. In the South Atlantic and Gulf, it has been necessary to use a collection of survey methods to cover different habitats, which makes the assessments more complicated, often more uncertain, and more time-consuming to complete and review.

Catch Monitoring – Fishery catches are tracked to monitor and analyze the impact of fishing on fish stocks. Similar to scientific surveys, these efforts provide data for many stocks simultaneously. A higher diversity of fishery sectors in a region complicates the assembly of comprehensive catch data. Thus, this is most streamlined in Alaska where the observer program provides a unified source of fishery catch and biological information, and most diverse in the Southeast with many commercial and recreational fishery sectors divided among state reporting programs.

Model Construction and Analysis – Stock assessment results are generated by analyzing data from scientific surveys and catch monitoring programs using scientific models of fish stocks. These models provide management quantities that facilitate stock status determination and the provision of harvest advice that optimizes yield while minimizing the chance of overfishing. There is a high degree of transparency in the assessment process with well-documented results and the application of assessment models occurring in a public forum. Further, various forms of peer review are utilized to provide confidence in assessment results. When assessment factors are most favorable, a streamlined and relatively standardized “update” assessment process is often used. However, in other situations, more extensive investigations with multi-step, public review processes have been used to increase trust in quality assurance. This more extensive process increases the time and resources required to conduct an assessment. Nevertheless, the total resources required for the application of assessment models and communication of results is small relative to the resource requirements for collecting the data for assessments (scientific surveys and catch monitoring).

Approximately 130 stock assessments¹ are conducted annually under the \$215 million budget. Additional assessments are conducted on Pacific salmon and Pacific halibut, but these stocks were excluded from this exercise because their assessments rely on a diversity of federal and non-federal resources. The primary budget lines included as representative of the stock assessment enterprise include those related to data collection, data processing and management, assessment research and modeling, capacity building, collaborative programs with states and industry, and budget lines from NOAA's Office of Marine and Aviation Operations that support surveys on NOAA ships.

The regional allocation of assessment enterprise resources varies from year-to-year based on evolving needs. In general, the southeast receives the largest proportion in support of assessments for several jurisdictions on stocks with multiple diverse data sources. Funding in the northeast, Alaska, and west coast regions is typically at similar levels. The total number of assessments conducted in each region varies, and is not directly related to the regional allocation of funds. The structural factors described previously drive assessment production in a region, and in general, factors are most favorable in Alaska and assessment production in that region is the highest.

1 Assessments of Pacific salmon and HMS stocks were excluded from this analysis because they are not directly funded through NOAA Fisheries

Upcoming Assessments & Survey Activity

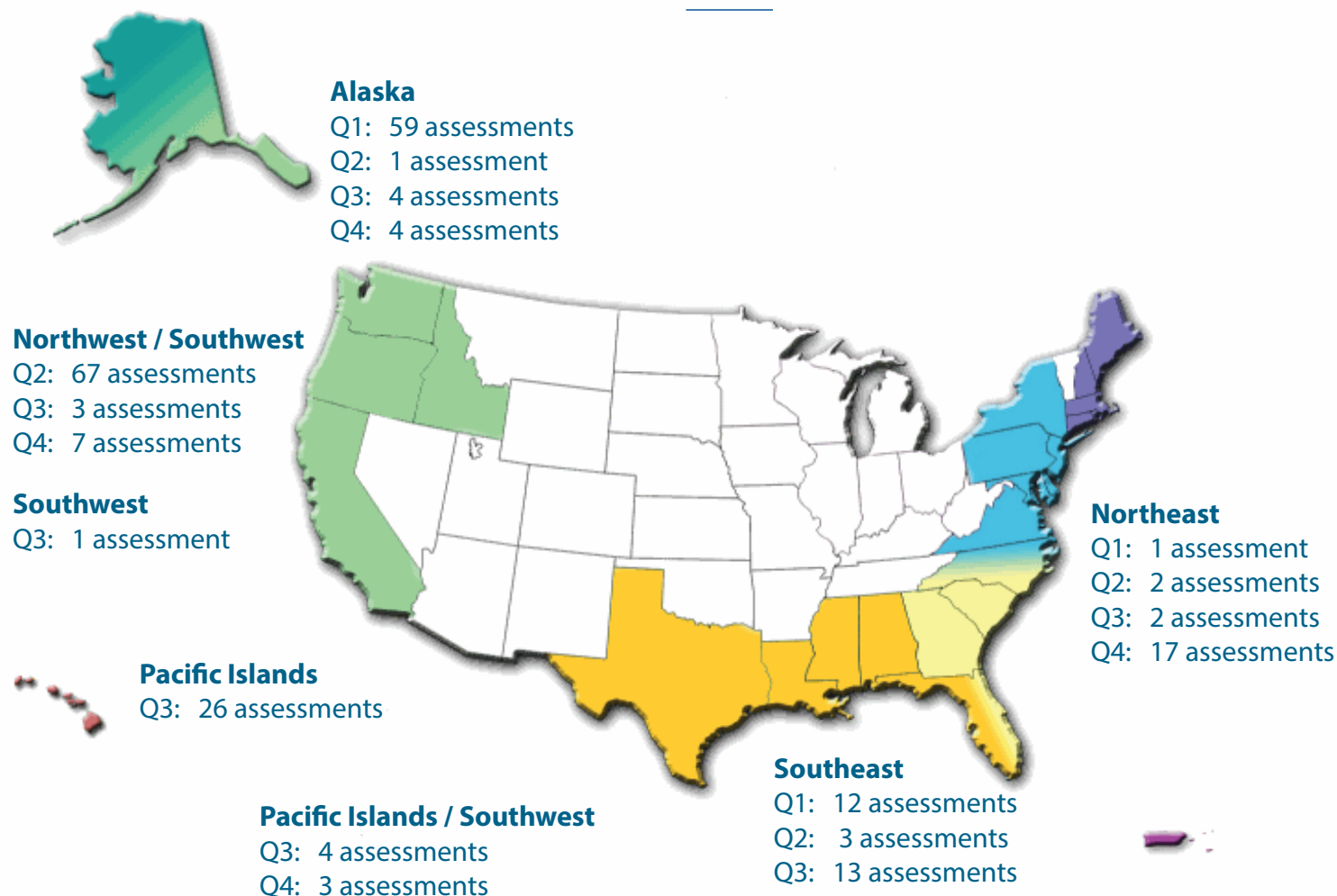
During FY2017 NOAA Fisheries plans to complete 90 assessments of FSSI stocks and 139 assessments of non-FSSI stocks, for a total of 229 assessments. This is the second-largest total it has ever attempted during one fiscal year, and if completed would be the largest single-year assessment total. The total number of assessments planned to be completed in each region for the remainder of the year is shown in the map below. Detailed information for the assessments completed during FY2016, as well as those that were delayed into FY2017 can be found in the supporting appendices of this report. Appendix A includes FY2016 completed assessments for FSSI stocks. Appendix B includes FY2016 completed assessments for non-FSSI stocks. Appendix C includes a list of the assessments planned for FY2017, including FSSI and non-FSSI stocks. Appendix D provides the assessment status of FSSI stocks. The infor-

mation in these appendices represents the best available at the time of reporting and is subject to change. Many stock assessments rely on data collected by NOAA's scientific surveys of fish stocks. NOAA Fisheries completed 21 scientific surveys of fish stocks during Q4 FY2016.¹ The majority of these surveys were conducted by the Southeast and Alaska Fisheries Science Centers.

For more information on assessment activities, including the assessment status for all FSSI stocks, please visit the NOAA Fisheries' National Stock Assessment Program website.²

1 <http://www.st.nmfs.noaa.gov/finss/>

2 <http://www.st.nmfs.noaa.gov/stock-assessment/reports>



FY2016 assessments to be conducted, by quarter, for each NOAA Fisheries Fisheries Science Center. The map colors correspond to the jurisdictions of the eight US Fisheries Management Councils.

Frequently Asked Questions

What is a stock assessment?

A stock assessment is the process of collecting, analyzing, and reporting demographic information to determine the effects of fishing (and other drivers) on fish populations and, to the extent possible, predict future catch and stock status.

What data are used in stock assessments?

Stock assessments are typically based on models of fish populations that require three primary categories of data inputs: catch, abundance, and biology. Although, data limited assessments can be conducted when one or more of these data types are missing. Data inputs must be accurate and timely to ensure the highest quality stock assessments. To the extent feasible, ecosystem and environmental factors that affect fish stocks are included.

Why do we assess stocks?

NOAA Fisheries' stock assessments provide high-quality science information needed by managers to support sustainable fisheries as components of resilient ecosystems, communities, and economies. Assessments provide the scientific basis for determining if a stock is overfished or experiencing overfishing, calculating sustainable harvest rates, and forecasting catch levels that would implement that rate.

What is an adequate assessment?

Assessments are considered adequate when they use modeling approaches that are able to address long-term population dynamics of the stock (i.e. assessment level of 3 or above according to the 2001 Marine Fisheries Stock Assessment Improvement Plan), have been updated within five years, and are recommended as best scientific information available after being subjected to regional peer review processes. The definition of an adequate assessment will change as NOAA Fisheries finalizes and implements a new Stock Assessment Improvement Plan (draft expected by the end of FY17).

Why does the schedule of planned assessments change?

The schedule of planned assessments is provided by each region at the beginning of the fiscal year and updated in this report as new information becomes available. Changes to the schedule may occur as the feasibility and time needed to conduct assessments are refined, particularly for stocks previously unassessed or assessments using innovative methods, and as assessment needs are updated in coordination with our regional and international partners.

Where can I find more information?

<http://www.st.nmfs.noaa.gov/stock-assessment>

<https://www.st.nmfs.noaa.gov/sisPortal/sisPortalMain.jsp>

Alaska Fisheries Science Center --

<http://www.afsc.noaa.gov/>

Northwest Fisheries Science Center --

<https://www.nwfsc.noaa.gov/>

Southwest Fisheries Science Center --

<https://swfsc.noaa.gov/>

Pacific Island Fisheries Science Center --

<http://www.pifsc.noaa.gov/>

Southeast Fisheries Science Center --

<http://www.sefsc.noaa.gov/>

Northeast Fisheries Science Center --

<http://www.nefsc.noaa.gov/>

Appendix A. Assessment activity for stocks and stock complexes included on the FSSI by quarter for FY2016.

Completed Assessments for FSSI Stocks - FY2016 Quarter 1 (October - December, 2015)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Adequate	Notes
AFSC	NPFMC	Alaska plaice - Bering Sea / Aleutian Islands	4	Partial Update	Yes	
AFSC	NPFMC	Arrowtooth flounder - Bering Sea / Aleutian Islands	5	Partial Update	Yes	
AFSC	NPFMC	Arrowtooth flounder - Gulf of Alaska	4	Benchmark	Yes	
AFSC	NPFMC	Atka mackerel - Bering Sea / Aleutian Islands	4	Full Update	Yes	
AFSC	NPFMC	Bering Sea / Aleutian Islands Blackspotted and Rougheye Rockfish Complex	4	Partial Update	Yes	
AFSC	NPFMC	Bering Sea / Aleutian Islands Flathead Sole Complex	5	Partial Update	Yes	Flathead sole asmt serves as indicator stock
AFSC	NPFMC	Bering Sea / Aleutian Islands Rock Sole Complex	4	Full Update	Yes	Northern rock sole asmt serves as indicator stock
AFSC	NPFMC	Bering Sea / Aleutian Islands Skate Complex	4	Partial Update	Yes	Two assessments serve as indicators for this stock complex; Alaska skate (level 4) and other skate complex remainder (level 3)
			3	Partial Update	Yes	
AFSC	NPFMC	Dusky rockfish - Gulf of Alaska	4	Benchmark	Yes	
AFSC	NPFMC	Flathead sole - Gulf of Alaska	4	Full Update	Yes	
AFSC	NPFMC	Greenland halibut - Bering Sea / Aleutian Islands	4	Benchmark	Yes	
AFSC	NPFMC	Gulf of Alaska Blackspotted and Rougheye Rockfish Complex	4	Benchmark	Yes	
AFSC	NPFMC	Gulf of Alaska Deepwater Flatfish Complex	4	Benchmark	Yes	Two assessments serve as indicators for stock complex: Dover sole (level 4 benchmark and other deepwater flatfish complex remainder (level 1 full update)
			1	Full Update	Yes	
AFSC	NPFMC	Gulf of Alaska Demersal Shelf Rockfish Complex	3	Full Update	Yes	Yelloweye rockfish asmt serves as indicator stock

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Completed Assessments for FSSI Stocks - FY2016 Quarter 1 (October - December, 2015)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Adequate	Notes
AFSC	NPFMC	Gulf of Alaska Shallow Water Flatfish Complex	4	Benchmark	Yes	Two benchmark assessments serve as indicators for this stock complex: Northern rock sole (level 4), and rock sole (level 4)
			4	Benchmark	Yes	
AFSC	NPFMC	Gulf of Alaska Thornyhead Rockfish Complex	3	Benchmark	Yes	Shortspine thornyhead asmt serves as indicator stock for stock complex.
AFSC	NPFMC	Northern rockfish - Bering Sea / Aleutian Islands	4	Partial Update	Yes	
AFSC	NPFMC	Northern rockfish - Western / Central Gulf of Alaska	4	Benchmark	Yes	
AFSC	NPFMC	Pacific cod - Bering Sea	4	Full Update	Yes	
AFSC	NPFMC	Pacific cod - Gulf of Alaska	4	Benchmark	Yes	
AFSC	NPFMC	Pacific ocean perch - Bering Sea / Aleutian Islands	4	Partial Update	Yes	
AFSC	NPFMC	Pacific ocean perch - Gulf of Alaska	4	Benchmark	Yes	
AFSC	NPFMC	Rex sole - Gulf of Alaska	4	Benchmark	Yes	
AFSC	NPFMC	Sablefish - Eastern Bering Sea / Aleutian Islands / Gulf of Alaska	4	Full Update	Yes	
AFSC	NPFMC	Walleye pollock - Aleutian Islands	4	Full Update	Yes	
AFSC	NPFMC	Walleye pollock - Eastern Bering Sea	4	Full Update	Yes	
AFSC	NPFMC	Walleye pollock - Western / Central Gulf of Alaska	4	Full Update	Yes	
AFSC	NPFMC	Yellowfin sole - Bering Sea / Aleutian Islands	5	Full Update	Yes	
AFSC	NPFMC	Blue king crab - Pribilof Islands	1	Full Update	No	
AFSC	NPFMC	Blue king crab - Saint Matthew Island	4	Full Update	Yes	
AFSC	NPFMC	Red king crab - Bristol Bay	4	Full Update	Yes	
AFSC	NPFMC	Red king crab - Pribilof Islands	1	Full Update	No	
AFSC	NPFMC	Snow crab - Bering Sea	4	Full Update	Yes	
AFSC	NPFMC	Southern tanner crab - Bering Sea	4	Full Update	Yes	
NEFSC	NEFMC	Acadian redfish - Gulf of Maine / Georges Bank	4	Full Update	Yes	
NEFSC	NEFMC	American plaice - Gulf of Maine / Georges Bank	4	Full Update	Yes	

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Completed Assessments for FSSI Stocks - FY2016 Quarter 1 (October - December, 2015)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Adequate	Notes
NEFSC	NEFMC	Atlantic cod - Georges Bank	-4	Full Update	No	Assessment results were too uncertain to be considered adequate for management.
NEFSC	NEFMC	Atlantic cod - Gulf of Maine	4	Full Update	Yes	
NEFSC	NEFMC	Atlantic halibut - Northwestern Atlantic Coast	-3	Full Update	No	Assessment results were too uncertain to be considered adequate for management.
NEFSC	NEFMC	Atlantic wolffish - Gulf of Maine / Georges Bank	4	Full Update	Yes	
NEFSC	NEFMC	Haddock - Georges Bank	4	Full Update	Yes	
NEFSC	NEFMC	Haddock - Gulf of Maine	4	Full Update	Yes	
NEFSC	NEFMC	Ocean pout - Northwestern Atlantic Coast	1	Full Update	No	
NEFSC	NEFMC	Pollock - Gulf of Maine / Georges Bank	4	Full Update	Yes	
NEFSC	NEFMC	White hake - Gulf of Maine / Georges Bank	4	Full Update	Yes	
NEFSC	NEFMC	Windowpane - Gulf of Maine / Georges Bank	1	Full Update	No	
NEFSC	NEFMC	Windowpane - Southern New England / Mid-Atlantic	1	Full Update	No	
NEFSC	NEFMC	Winter flounder - Georges Bank	4	Full Update	Yes	
NEFSC	NEFMC	Winter flounder - Gulf of Maine	1	Full Update	No	
NEFSC	NEFMC	Winter flounder - Southern New England / Mid-Atlantic	4	Full Update	Yes	
NEFSC	NEFMC	Witch flounder - Northwestern Atlantic Coast	4	Full Update	Yes	
NEFSC	NEFMC	Yellowtail flounder - Cape Cod / Gulf of Maine	4	Full Update	Yes	
NEFSC	NEFMC	Yellowtail flounder - Southern New England / Mid-Atlantic	4	Benchmark	Yes	
NWFSC	PFMC	Yelloweye rockfish - Pacific Coast	4	Partial Update	Yes	Omitted from Q1 Report
NWFSC	PFMC	California scorpionfish - Southern California	4	Partial Update	Yes	Omitted from Q1 Report
NW/SW	PFMC	Black rockfish - Northern Pacific coast	4	Benchmark	Yes	Black rockfish stocks were assessed using three area models (WA, OR, CA).
NW/SW	PFMC	Black rockfish - Southern Pacific coast	4	Benchmark	Yes	

National Marine Fisheries Service
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Completed Assessments for FSSI Stocks - FY2016 Quarter 1 (October - December, 2015)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Adequate	Notes
SEFSC	GMFMC	Brown shrimp - Gulf of Mexico	4	Full Update	Yes	
SEFSC	GMFMC	Pink shrimp - Gulf of Mexico	4	Full Update	Yes	
SEFSC	GMFMC	Royal red shrimp - Gulf of Mexico	1	Full Update	Yes	
SEFSC	GMFMC	White shrimp - Gulf of Mexico	4	Full Update	Yes	
SEFSC	HMS	Blue shark - North Atlantic	4	Benchmark	Yes	
SEFSC	SAFMC	Brown rock shrimp - Southern Atlantic Coast	1	Full Update	Yes	
SEFSC	SAFMC	Brown shrimp - Southern Atlantic Coast	1	Full Update	Yes	
SEFSC	SAFMC	Pink shrimp - Southern Atlantic Coast	1	Full Update	Yes	
SEFSC	SAFMC	White shrimp - Southern Atlantic Coast	1	Full Update	Yes	

Completed Assessments for FSSI Stocks - FY2016 Quarter 2 (January - March, 2016)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Adequate	Notes
AFSC	NPFMC	Red king crab - Norton Sound	4	Full Update	Yes	
NEFSC	MAFMC	Atlantic surfclam - Mid-Atlantic Coast	1	Indicator Analysis	Yes	Last benchmark was in 2013
NEFSC	MAFMC	Ocean quahog - Atlantic Coast	1	Indicator Analysis	Yes	Last full update was in 2013
NEFSC	MAFMC	Tilefish - Mid-Atlantic Coast	1	Indicator Analysis	Yes	Last benchmark was in 2014
NW/SW	PPMC	Chinook salmon - California Central Valley: Sacramento (fall)	3	Full Update	Yes	
NW/SW	PPMC	Chinook salmon - Northern California Coast: Klamath (fall)	4	Full Update	Yes	
SEFSC	GMFMC	Red grouper - Gulf of Mexico	5	Benchmark	Yes	

Completed Assessments for FSSI Stocks - FY2016 Quarter 3 (April - June, 2016)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Adequate	Notes
AFSC	NPFMC	Golden king crab - Aleutian Islands	1	Full Update	No	Asmt conducted annually
NEFSC	MAFMC	Atlantic mackerel - Gulf of Maine / Cape Hatteras	1	Indicator Analysis	No	
SEFSC	GMFMC	Vermilion snapper - Gulf of Mexico	4	Full Update	Yes	Delayed from Q2
SEFSC	SAFMC	Gray triggerfish - Southern Atlantic Coast	-4	Benchmark	No	Rejected - Concerns regarding model fit
SEFSC	SAFMC	Red snapper - Southern Atlantic Coast	4	Benchmark	Yes	Delayed from FY2015
SEFSC	SAFMC	Tilefish - Southern Atlantic Coast	4	Full Update	Yes	

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Completed Assessments for FSSI Stocks - FY2016 Quarter 3 (April - June, 2016)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Adequate	Notes
SWFSC	PFMC	Pacific sardine - Pacific Coast	4	Full Update	Yes	

Completed Assessments for FSSI Stocks - FY2016 Quarter 4 (July - September, 2016)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Adequate	Notes
NEFSC	MAFMC	Black sea bass - Mid-Atlantic Coast	1	Indicator analysis	No	
NEFSC	MAFMC	Bluefish - Mid-Atlantic Coast	1	Indicator analysis	No	
NEFSC	MAFMC	Butterfish - Gulf of Maine / Cape Hatteras	1	Indicator analysis	No	
NEFSC	MAFMC	Longfin inshore squid - Georges Bank / Cape Hatteras	1	Indicator analysis	No	
NEFSC	MAFMC	Northern shortfin squid - Northwestern Atlantic Coast	1	Indicator analysis	No	
NEFSC	MAFMC	Scup - Atlantic Coast	1	Indicator analysis	No	
NEFSC	MAFMC	Summer flounder - Mid-Atlantic Coast	4	Full Update	Yes	
NEFSC	NEFMC	Atlantic cod - Eastern Georges Bank	4	Full Update	Yes	
NEFSC	NEFMC	Barndoor skate - Georges Bank / Southern New England	1	Full Update	No	
NEFSC	NEFMC	Clearnose skate - Southern New England / Mid-Atlantic	1	Full Update	No	
NEFSC	NEFMC	Haddock - Eastern Georges Bank	4	Partial Update	Yes	
NEFSC	NEFMC	Little skate - Georges Bank / Southern New England	1	Full Update	No	
NEFSC	NEFMC	Rosette skate - Southern New England / Mid-Atlantic	1	Full Update	No	
NEFSC	NEFMC	Sea scallop - Northwestern Atlantic Coast	4	Partial Update	Yes	
NEFSC	NEFMC	Smooth skate - Gulf of Maine	1	Full Update	No	
NEFSC	NEFMC	Thorny skate - Gulf of Maine	1	Full Update	No	
NEFSC	NEFMC	Winter skate - Georges Bank / Southern New England	1	Full Update	No	
NEFSC	NEFMC	Yellowtail flounder - Georges Bank	1	Indicator Analysis	No	
NEFSC	NEFMC / MAFMC	Goosefish - Gulf of Maine / Northern Georges Bank	1	Indicator Analysis	No	Assessment planned as benchmark
NEFSC	NEFMC / MAFMC	Goosefish - Southern Georges Bank / Mid-Atlantic	1	Indicator Analysis	No	Assessment planned as benchmark
NEFSC	NEFMC / MAFMC	Spiny dogfish - Atlantic Coast	1	Indicator Analysis	No	

National Marine Fisheries Service

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Completed Assessments for FSSI Stocks - FY2016 Quarter 4 (July - September, 2016)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Adequate	Notes
SEFSC	HMS	Dusky shark - Atlantic and Gulf of Mexico	4	Full Update	Yes	

Footnotes

¹NOAA 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).

²Jurisdictions 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).

³Level of complexity of assessment methods used for the particular stock. Generally reflects the availability of data and the value or importance of the fishery. Levels are described in the Stock Assessment Improvement Plan (<http://www.st.nmfs.noaa.gov/StockAssessment/index.html>). A negative level indicates that an assessment was attempted at that level of complexity, but the effort was not accepted in its technical review.

Appendix B. Assessment activity for non-FSSI stocks, stock complexes and complex members in FY2016.

Completed Assessments for Non-FSSI Stocks - FY2016 Quarter 1 (October - December, 2015)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Notes on Assessment
AFSC	NPFMC	Atka mackerel - Gulf of Alaska	1	Full Update	
AFSC	NPFMC	Bering Sea / Aleutian Islands Octopus Complex	1	Partial Update	Giant octopus - Bering Sea /Aleutian Islands asmt serves as indicator for stock complex
AFSC	NPFMC	Bering Sea / Aleutian Islands Other Flatfish Complex	3	Full Update	
AFSC	NPFMC	Bering Sea / Aleutian Islands Other Rockfish Complex	3	Partial Update	
AFSC	NPFMC	Bering Sea / Aleutian Islands Sculpin Complex	3	Partial Update	
AFSC	NPFMC	Bering Sea / Aleutian Islands Shark Complex	1	Partial Update	
AFSC	NPFMC	Bering Sea / Aleutian Islands Squid Complex	1	Full Update	
AFSC	NPFMC	Gulf of Alaska Octopus Complex	1	Benchmark	Giant Octopus Gulf of Alaska asmt serves as indicator for stock complex
AFSC	NPFMC	Gulf of Alaska Other Rockfish Complex	3	Benchmark	
AFSC	NPFMC	Gulf of Alaska Other Shallow Water Flatfish Complex	3	Benchmark	
AFSC	NPFMC	Gulf of Alaska Sculpin Complex	3	Benchmark	
AFSC	NPFMC	Gulf of Alaska Shark Complex	1	Benchmark	
AFSC	NPFMC	Gulf of Alaska - Big skate	3	Full Update	These three assessments are included one Gulf of Alaska Skate Asmt Chapter in the SAFE *This assessment was counted as an FSSI-assessment
AFSC	NPFMC	Gulf of Alaska - Longnose skate	3	Full Update	
AFSC	NPFMC	Gulf of Alaska Other Skate Complex	3	Full Update	
AFSC	NPFMC	Gulf of Alaska Squid Complex	1	Full Update	
AFSC	NPFMC	Kamchatka flounder - Bering Sea / Aleutian Islands	4	Partial Update	
AFSC	NPFMC	Pacific cod - Aleutian Islands	3	Full Update	
AFSC	NPFMC	Shortraker rockfish - Bering Sea / Aleutian Islands	3	Partial Update	
AFSC	NPFMC	Shortraker rockfish - Gulf of Alaska	3	Benchmark	
AFSC	NPFMC	Walleye pollock - Bogoslof	3	Benchmark	
AFSC	NPFMC	Walleye pollock - Southeast Gulf of Alaska	3	Full Update	
SEFSC	HMS	Bigeye tuna - Atlantic	3	Benchmark	

Completed Assessments for Non-FSSI Stocks - FY2016 Quarter 2 (January - March, 2016)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Notes on Assessment
NW/SW	PFMC	Chinook salmon - California Central Valley: Sacramento (spring)	1	Full Update	

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Completed Assessments for Non-FSSI Stocks - FY2016 Quarter 2 (January - March, 2016)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Notes on Assessment
NW/SW	PFMC	Chinook salmon - California Central Valley: Sacramento (winter)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Columbia River Basin: Lower River Hatchery (fall)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Columbia River Basin: Lower River Hatchery (spring)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Columbia River Basin: Mid-River Bright Hatchery (fall)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Columbia River Basin: North Lewis (fall)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Columbia River Basin: Snake (fall)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Columbia River Basin: Snake (spring/summer)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Columbia River Basin: Spring Creek Hatchery (fall)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Columbia River Basin: Upper River (spring)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Columbia River Basin: Upper River (summer)	4	Full Update	International
NW/SW	PFMC	Chinook salmon - Columbia River Basin: Upper River Bright (fall)	4	Full Update	International
NW/SW	PFMC	Chinook salmon - Columbia River Basin: Upper Willamette (spring)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Northern California Coast: Eel, Mattole, and Mad (fall/spring) <i>(California Coastal)</i>	1	Full Update	
NW/SW	PFMC	Chinook salmon - Oregon Coast: Central and Northern	3	Full Update	International
NW/SW	PFMC	Chinook salmon - Oregon Coast: Southern	3	Full Update	
NW/SW	PFMC	Chinook salmon - Puget Sound: Cedar (summer/fall)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Puget Sound: Eastern Strait of Juan de Fuca (summer/fall)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Puget Sound: Green (summer/fall)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Puget Sound: Mid Hood Canal (summer/fall)	1	Full Update	
NW/SW	PFMC	Chinook salmon - Puget Sound: Nisqually (summer/fall)	1	Full Update	
NW/SW	PFMC	Chinook salmon - Puget Sound: Nooksack (spring early)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Puget Sound: Puyallup (summer/fall)	3	Full Update	
NW/SW	PFMC	Chinook salmon - Puget Sound: Skagit (spring)	3	Full Update	
NW/SW	PFMC	Chinook salmon - Puget Sound: Skagit (summer/fall)	5	Full Update	

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Completed Assessments for Non-FSSI Stocks - FY2016 Quarter 2 (January - March, 2016)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Notes on Assessment
NW/SW	PFMC	Chinook salmon - Puget Sound: Skokomish (summer/fall)	1	Full Update	
NW/SW	PFMC	Chinook salmon - Puget Sound: Snohomish (summer/fall)	5	Full Update	
NW/SW	PFMC	Chinook salmon - Puget Sound: Stillaguamish (summer/fall)	5	Full Update	
NW/SW	PFMC	Chinook salmon - Puget Sound: White River (spring)	3	Full Update	
NW/SW	PFMC	Chinook salmon - Washington Coast: Grays Harbor (fall)	1	Full Update	International
NW/SW	PFMC	Chinook salmon - Washington Coast: Grays Harbor (spring)	1	Full Update	International
NW/SW	PFMC	Chinook salmon - Washington Coast: Hoh (fall)	1	Full Update	International
NW/SW	PFMC	Chinook salmon - Washington Coast: Hoh (spring/summer)	1	Full Update	International
NW/SW	PFMC	Chinook salmon - Washington Coast: Hoko (summer/fall)	4	Full Update	International
NW/SW	PFMC	Chinook salmon - Washington Coast: Queets (fall)	5	Full Update	International
NW/SW	PFMC	Chinook salmon - Washington Coast: Queets (spring/summer)	2	Full Update	International
NW/SW	PFMC	Chinook salmon - Washington Coast: Quillayute (fall)	2	Full Update	International
NW/SW	PFMC	Chinook salmon - Washington Coast: Quillayute (spring/summer)	1	Full Update	International
NW/SW	PFMC	Chinook salmon - Washington Coast: Quinalt Fall (hatchery)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Washington Coast: Willapa Bay Fall (hatchery)	4	Full Update	
NW/SW	PFMC	Chinook salmon - Washington Coast: Willapa Bay Fall (natural)	4	Full Update	International
NW/SW	PFMC	Coho salmon - Oregon Production Index Area: Central California Coast	1	Full Update	
NW/SW	PFMC	Coho salmon - Oregon Production Index Area: Columbia (early hatchery)	4	Full Update	
NW/SW	PFMC	Coho salmon - Oregon Production Index Area: Columbia (late hatchery)	4	Full Update	
NW/SW	PFMC	Coho salmon - Oregon Production Index Area: Columbia (natural)	4	Full Update	
NW/SW	PFMC	Coho salmon - Oregon Production Index Area: Northern California	1	Full Update	
NW/SW	PFMC	Coho salmon - Oregon Production Index Area: Oregon Coastal (hatchery)	1	Full Update	
NW/SW	PFMC	Coho salmon - Oregon Production Index Area: Oregon Coastal (natural)	5	Full Update	
NW/SW	PFMC	Coho salmon - Puget Sound: Hood Canal	4	Full Update	International

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Completed Assessments for Non-FSSI Stocks - FY2016 Quarter 2 (January - March, 2016)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Notes on Assessment
NW/SW	PFMC	Coho salmon - Puget Sound: Skagit	5	Full Update	International
NW/SW	PFMC	Coho salmon - Puget Sound: Snohomish	4	Full Update	International
NW/SW	PFMC	Coho salmon - Puget Sound: South Puget Sound (hatchery)	4	Full Update	
NW/SW	PFMC	Coho salmon - Puget Sound: Stillaguamish	4	Full Update	International
NW/SW	PFMC	Coho salmon - Washington Coast: Grays Harbor	5	Full Update	International
NW/SW	PFMC	Coho salmon - Washington Coast: Hoh	5	Full Update	International
NW/SW	PFMC	Coho salmon - Washington Coast: Queets	5	Full Update	International
NW/SW	PFMC	Coho salmon - Washington Coast: Quillayute (fall)	4	Full Update	International
NW/SW	PFMC	Coho salmon - Washington Coast: Quillayute (summer)	4	Full Update	
NW/SW	PFMC	Coho salmon - Washington Coast: Quinault	1	Full Update	
NW/SW	PFMC	Coho salmon - Washington Coast: Strait of Juan de Fuca	5	Full Update	International
NW/SW	PFMC	Coho salmon - Washington Coast: Willapa Bay	5	Full Update	
NW/SW	PFMC	Coho salmon - Washington Coast: Willapa Bay (natural)	5	Full Update	
NW/SW	PFMC	Pink salmon - Puget Sound (odd-numbered years)	1	Full Update	International
NW/SW	PFMC	Pacific hake - Pacific Coast	4	Benchmark	Conducted through Joint U.S. Canadian P. Whiting Agreement

Completed Assessments for Non-FSSI Stocks - FY2016 Quarter 3 (April - June, 2016)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Notes on Assessment
AFSC	NPFMC	Golden king crab - Pribilof Islands	1	Full Update	Asmt conducted annually
AFSC	NPFMC	Red king crab - Western Aleutian Islands	1	Full Update	Asmt conducted annually
AFSC	NPFMC	Weathervane scallop - Alaska	1	Full Update	
NEFSC	NEFMC	Atlantic salmon - Gulf of Maine	3	Full Update	Asmt conducted through ICES and AS committee
SW/PI	PFMC / WPFMC	Bigeye tuna - Eastern Pacific	4	Benchmark	IATTC asmt
SW/PI	PFMC / WPFMC	Skipjack tuna - Eastern Pacific	1	Indicator Analysis	IATTC asmt
SW/PI	PFMC / WPFMC	Yellowfin tuna - Eastern Pacific	4	Full Update	IATTC asmt

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Completed Assessments for Non-FSSI Stocks - FY2016 Quarter 4 (July - September, 2016)

Science Center(s) ¹	Jurisdiction ²	Stock	Asmt Level ³	Asmt Type	Notes on Assessment
AFSC	NPFMC	Chinook salmon - Eastern North Pacific Far North Migrating	4	Full Update	
AFSC	NPFMC	Coho salmon - Auke Creek	4	Full Update	
AFSC	NPFMC	Coho salmon - Berners River	4	Full Update	
AFSC	NPFMC	Coho salmon - Ford Arm Lake	4	Full Update	Final Assessment of this Stock
AFSC	NPFMC	Coho salmon - Hugh Smith Lake	4	Full Update	
PIFSC	WPFMC	Blue marlin - Pacific	4	Full Update	ISC is lead for asmt.
SW/PI	PFMC / WPFMC	Pacific bluefin tuna - Pacific	4	Benchmark	ISC asmt

Footnotes

¹NOAA 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).

²Jurisdictions 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).

³Level of complexity of assessment methods used for the particular stock. Generally reflects the availability of data and the value or importance of the fishery. Levels are described in the Stock Assessment Improvement Plan (<http://www.st.nmfs.noaa.gov/StockAssessment/index.html>). A negative level indicates that an assessment was attempted at that level of complexity, but the effort was not accepted in its technical review.

Appendix C. Planned assessments for FSSI and non-FSSI stocks in FY2017 by quarter. Information is best available provided by NOAA Fisheries Science Centers and subject to change.

Planned Assessments for FSSI and Non-FSSI Stocks - FY2017 Quarter 1 (October - December, 2016)						
Science Center(s)¹	Jurisdiction²	FSSI / Non-FSSI³	Stock	Planned Asmt Level⁴	Planned Asmt Type	Notes
AFSC	NPFMC	FSSI	Alaska plaice - Bering Sea / Aleutian Islands	4	Full Update	
AFSC	NPFMC	FSSI	Arrowtooth flounder - Bering Sea / Aleutian Islands	5	Full Update	
AFSC	NPFMC	FSSI	Arrowtooth flounder - Gulf of Alaska	4	Partial Update	
AFSC	NPFMC	FSSI	Atka mackerel - Bering Sea / Aleutian Islands	4	Full Update	
AFSC	NPFMC	Non - FSSI	Atka mackerel - Gulf of Alaska	1	Partial Update	
AFSC	NPFMC	FSSI	Bering Sea / Aleutian Islands Blackspotted and Rougheye Rockfish Complex	4	Full Update	
AFSC	NPFMC	FSSI	Flathead sole - Bering Sea / Aleutian Islands	5	Full Update	
AFSC	NPFMC	Non - FSSI	Giant octopus - Bering Sea / Aleutian Islands	1	Full Update	
AFSC	NPFMC	Non - FSSI	Bering Sea / Aleutian Islands Other Flatfish Complex	3	Full Update	
AFSC	NPFMC	Non - FSSI	Bering Sea / Aleutian Islands Other Rockfish Complex	1	Full Update	
AFSC	NPFMC	FSSI	Northern rock sole - Bering Sea / Aleutian Islands	4	Full Update	
AFSC	NPFMC	Non - FSSI	Bering Sea / Aleutian Islands Sculpin Complex	3	Full Update	
AFSC	NPFMC	Non - FSSI	Bering Sea / Aleutian Islands Shark Complex	1	Full Update	
AFSC	NPFMC	FSSI	Alaska skate - Bering Sea / Aleutian Islands	4	Full Update	
AFSC	NPFMC	FSSI	Bering Sea / Aleutian Islands Other Skates Complex	3	Full Update	
AFSC	NPFMC	Non - FSSI	Bering Sea / Aleutian Islands Squid Complex	1	Full Update	
AFSC	NPFMC	FSSI	Blue king crab - Pribilof Islands	1	Full Update	
AFSC	NPFMC	FSSI	Blue king crab - Saint Matthew Island	4	Full Update	
AFSC	NPFMC	FSSI	Dusky rockfish - Gulf of Alaska	4	Partial Update	
AFSC	NPFMC	FSSI	Flathead sole - Gulf of Alaska	4	Partial Update	
AFSC	NPFMC	FSSI	Greenland halibut - Bering Sea / Aleutian Islands	4	Full Update	
AFSC	NPFMC	FSSI	Gulf of Alaska Blackspotted and Rougheye Rockfish Complex	4	Partial Update	
AFSC	NPFMC	FSSI	Dover sole - Gulf of Alaska	4	Partial Update	

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2017 Quarter 1 (October - December, 2016)						
Science Center(s) ¹	Jurisdiction ²	FSSI / Non-FSSI ³	Stock	Planned Asmt Level ⁴	Planned Asmt Type	Notes
AFSC	NPFMC	FSSI	Gulf of Alaska Other Deepwater Flatfish Complex	1	Partial Update	
AFSC	NPFMC	FSSI	Yelloweye rockfish - Gulf of Alaska	3	Partial Update	
AFSC	NPFMC	Non - FSSI	Giant octopus - Gulf of Alaska	1	Partial Update	
AFSC	NPFMC	Non - FSSI	Gulf of Alaska Other Rockfish Complex	3	Partial Update	
AFSC	NPFMC	Non - FSSI	Gulf of Alaska Sculpin Complex	3	Partial Update	
AFSC	NPFMC	FSSI	Northern rock sole - Gulf of Alaska	4	Partial Update	
AFSC	NPFMC	Non - FSSI	Rock sole - Gulf of Alaska	4	Partial Update	
AFSC	NPFMC	FSSI	Gulf of Alaska Other Shallow Water Flatfish Complex	3	Partial Update	
AFSC	NPFMC	Non - FSSI	Gulf of Alaska Shark Complex	1	Partial Update	
AFSC	NPFMC	Non - FSSI	Gulf of Alaska Skate Complex	3	Partial Update	
AFSC	NPFMC	Non - FSSI	Big skate - Gulf of Alaska	3	Partial Update	
AFSC	NPFMC	Non - FSSI	Gulf of Alaska Squid Complex	1	Partial Update	
AFSC	NPFMC	FSSI	Shortspine thornyhead - Gulf of Alaska	3	Partial Update	
AFSC	NPFMC	Non - FSSI	Kamchatka flounder - Bering Sea / Aleutian Islands	4	Full Update	
AFSC	NPFMC	Non - FSSI	Longnose skate - Gulf of Alaska	3	Partial Update	
AFSC	NPFMC	FSSI	Northern rockfish - Bering Sea / Aleutian Islands	4	Full Update	
AFSC	NPFMC	FSSI	Northern rockfish - Western / Central Gulf of Alaska	4	Partial Update	
AFSC	NPFMC	Non - FSSI	Pacific cod - Aleutian Islands	3	Full Update	
AFSC	NPFMC	FSSI	Pacific cod - Bering Sea	4	Full Update	
AFSC	NPFMC	FSSI	Pacific cod - Gulf of Alaska	4	Full Update	
AFSC	NPFMC	FSSI	Pacific ocean perch - Bering Sea / Aleutian Islands	4	Full Update	
AFSC	NPFMC	FSSI	Pacific ocean perch - Gulf of Alaska	4	Partial Update	
AFSC	NPFMC	FSSI	Red king crab - Bristol Bay	4	Full Update	
AFSC	NPFMC	FSSI	Red king crab - Pribilof Islands	1	Full Update	
AFSC	NPFMC	FSSI	Rex sole - Gulf of Alaska	4	Partial Update	
AFSC	NPFMC	FSSI	Sablefish - Eastern Bering Sea / Aleutian Islands / Gulf of Alaska	4	Full Update	
AFSC	NPFMC	Non - FSSI	Shortraker rockfish - Bering Sea / Aleutian Islands	3	Full Update	
AFSC	NPFMC	Non - FSSI	Shortraker rockfish - Gulf of Alaska	3	Partial Update	

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2017 Quarter 1 (October - December, 2016)

Science Center(s) ¹	Jurisdiction ²	FSSI / Non-FSSI ³	Stock	Planned Asmt Level ⁴	Planned Asmt Type	Notes
AFSC	NPFMC	FSSI	Snow crab - Bering Sea	4	Full Update	
AFSC	NPFMC	FSSI	Southern Tanner crab - Bering Sea	4	Full Update	
AFSC	NPFMC	FSSI	Walleye pollock - Aleutian Islands	4	Full Update	
AFSC	NPFMC	Non - FSSI	Walleye pollock - Bogoslof	3	Full Update	
AFSC	NPFMC	FSSI	Walleye pollock - Eastern Bering Sea	4	Full Update	
AFSC	NPFMC	Non - FSSI	Walleye pollock - Southeast Gulf of Alaska	3	Partial Update	
AFSC	NPFMC	FSSI	Walleye pollock - Western / Central Gulf of Alaska	4	Full Update	
AFSC	NPFMC	FSSI	Yellowfin sole - Bering Sea / Aleutian Islands	5	Full Update	
NEFSC	MAFMC	FSSI	Atlantic surfclam - Mid-Atlantic Coast	4	Benchmark	Delayed from Q4 FY16, Data Update scheduled for Q4
SEFSC	GMFMC	FSSI	Brown shrimp - Gulf of Mexico	4	Full Update	
SEFSC	GMFMC	FSSI	Pink shrimp - Gulf of Mexico	4	Full Update	
SEFSC	GMFMC	FSSI	Royal red shrimp - Gulf of Mexico	1	Full Update	
SEFSC	GMFMC	FSSI	White shrimp - Gulf of Mexico	4	Full Update	
SEFSC	HMS	INT	Albacore - North Atlantic	4	Benchmark	
SEFSC	HMS	INT	Sailfish - Western Atlantic	3	Benchmark	
SEFSC	HMS	INT	Yellowfin tuna - Atlantic	4	Benchmark	
SEFSC	SAFMC	FSSI	Brown rock shrimp - Southern Atlantic Coast	1	Full Update	
SEFSC	SAFMC	FSSI	Brown shrimp - Southern Atlantic Coast	1	Full Update	
SEFSC	SAFMC	FSSI	Pink shrimp - Southern Atlantic Coast	1	Full Update	
SEFSC	SAFMC	FSSI	White shrimp - Southern Atlantic Coast	1	Full Update	
SEFSC	SAFMC / GMFMC	Non - FSSI	Goliath grouper - Southern Atlantic Coast / Gulf of Mexico	3	Benchmark	

Planned Assessments for FSSI and Non-FSSI Stocks - FY2017 Quarter 2 (January - March, 2017)

Science Center(s) ¹	Jurisdiction ²	FSSI / Non-FSSI ³	Stock	Planned Asmt Level ⁴	Planned Asmt Type	Notes
AFSC	IPHC	NF	Pacific halibut - Pacific Coast / Alaska	5	Full Update	
AFSC	NPFMC	FSSI	Red king crab - Norton Sound	4	Full Update	
NEFSC	MAFMC	FSSI	Black sea bass - Mid-Atlantic Coast	4	Benchmark	
NEFSC	NEFMC	FSSI	Witch flounder - Northwestern Atlantic Coast	4	Benchmark	
NW/SW	PFMC	INT	Pacific hake - Pacific Coast	4	Update	
NW/SW	PFMC	FSSI	Chinook salmon - California Central Valley: Sacramento (fall)	3	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - California Central Valley: Sacramento (spring)	1	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - California Central Valley: Sacramento (winter)	4	Update	

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2017 Quarter 2 (January - March, 2017)						
Science Center(s) ¹	Jurisdiction ²	FSSI / Non-FSSI ³	Stock	Planned Asmt Level ⁴	Planned Asmt Type	Notes
NW/SW	PFMC	Non - FSSI	Chinook salmon - Columbia River Basin: Lower River Hatchery (fall)	4	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Columbia River Basin: Lower River Hatchery (spring)	4	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Columbia River Basin: Mid-River Bright Hatchery (fall)	4	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Columbia River Basin: North Lewis (fall)	4	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Columbia River Basin: Snake (fall)	4	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Columbia River Basin: Snake (spring/summer)	4	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Columbia River Basin: Spring Creek Hatchery (fall)	4	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Columbia River Basin: Upper River (spring)	4	Update	
NW/SW	PFMC	INT	Chinook salmon - Columbia River Basin: Upper River (summer)	4	Update	
NW/SW	PFMC	INT	Chinook salmon - Columbia River Basin: Upper River Bright (fall)	4	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Columbia River Basin: Upper Willamette (spring)	4	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Northern California Coast: Eel, Mattole, and Mad (fall/spring) (California Coastal)	1	Update	
NW/SW	PFMC	FSSI	Chinook salmon - Northern California Coast: Klamath (fall)	4	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Northern California Coast: Klamath (spring)	4	Update	
NW/SW	PFMC	INT	Chinook salmon - Oregon Coast: Central and Northern	3	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Oregon Coast: Southern	3	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Puget Sound: Cedar (summer/fall)	4	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Puget Sound: Eastern Strait of Juan de Fuca (summer/fall)	4	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Puget Sound: Green (summer/fall)	4	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Puget Sound: Mid Hood Canal (summer/fall)	1	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Puget Sound: Nisqually (summer/fall)	1	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Puget Sound: Nooksack (spring early)	4	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Puget Sound: Puyallup (summer/fall)	3	Update	
NW/SW	PFMC	Non - FSSI	Chinook salmon - Puget Sound: Skagit (spring)	3	Update	

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2017 Quarter 2 (January - March, 2017)						
Science Center(s) ¹	Jurisdiction ²	FSSI / Non-FSSI ³	Stock	Planned Asmt Level ⁴	Planned Asmt Type	Notes
NW/SW	PPMC	Non - FSSI	Chinook salmon - Puget Sound: Skagit (summer/fall)	5	Update	
NW/SW	PPMC	Non - FSSI	Chinook salmon - Puget Sound: Skokomish (summer/fall)	1	Update	
NW/SW	PPMC	Non - FSSI	Chinook salmon - Puget Sound: Snohomish (summer/fall)	5	Update	
NW/SW	PPMC	Non - FSSI	Chinook salmon - Puget Sound: Stillaguamish (summer/fall)	5	Update	
NW/SW	PPMC	Non - FSSI	Chinook salmon - Puget Sound: White River (spring)	3	Update	
NW/SW	PPMC	INT	Chinook salmon - Washington Coast: Grays Harbor (fall)	1	Update	
NW/SW	PPMC	INT	Chinook salmon - Washington Coast: Grays Harbor (spring)	1	Update	
NW/SW	PPMC	INT	Chinook salmon - Washington Coast: Hoh (fall)	1	Update	
NW/SW	PPMC	INT	Chinook salmon - Washington Coast: Hoh (spring/summer)	1	Update	
NW/SW	PPMC	INT	Chinook salmon - Washington Coast: Hoko (summer/fall)	4	Update	
NW/SW	PPMC	INT	Chinook salmon - Washington Coast: Queets (fall)	5	Update	
NW/SW	PPMC	INT	Chinook salmon - Washington Coast: Queets (spring/summer)	2	Update	
NW/SW	PPMC	INT	Chinook salmon - Washington Coast: Quillayute (fall)	2	Update	
NW/SW	PPMC	INT	Chinook salmon - Washington Coast: Quillayute (spring/summer)	1	Update	
NW/SW	PPMC	Non - FSSI	Chinook salmon - Washington Coast: Quinalt Fall (hatchery)	4	Update	
NW/SW	PPMC	Non - FSSI	Chinook salmon - Washington Coast: Willapa Bay Fall (hatchery)	4	Update	
NW/SW	PPMC	INT	Chinook salmon - Washington Coast: Willapa Bay Fall (natural)	4	Update	
NW/SW	PPMC	Non - FSSI	Coho salmon - Oregon Production Index Area: Central California Coast	1	Update	
NW/SW	PPMC	Non - FSSI	Coho salmon - Oregon Production Index Area: Columbia (early hatchery)	4	Update	
NW/SW	PPMC	Non - FSSI	Coho salmon - Oregon Production Index Area: Columbia (late hatchery)	4	Update	
NW/SW	PPMC	Non - FSSI	Coho salmon - Oregon Production Index Area: Columbia (natural)	4	Update	
NW/SW	PPMC	Non - FSSI	Coho salmon - Oregon Production Index Area: Southern Oregon / Northern California Coast	1	Update	
NW/SW	PPMC	Non - FSSI	Coho salmon - Oregon Production Index Area: Oregon Coastal (hatchery)	1	Update	
NW/SW	PPMC	Non - FSSI	Coho salmon - Oregon Production Index Area: Oregon Coastal (natural)	5	Update	

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2017 Quarter 2 (January - March, 2017)

Science Center(s) ¹	Jurisdiction ²	FSSI / Non-FSSI ³	Stock	Planned Asmt Level ⁴	Planned Asmt Type	Notes
NW/SW	PFMC	INT	Coho salmon - Puget Sound: Hood Canal	4	Update	
NW/SW	PFMC	INT	Coho salmon - Puget Sound: Skagit	5	Update	
NW/SW	PFMC	INT	Coho salmon - Puget Sound: Snohomish	4	Update	
NW/SW	PFMC	Non - FSSI	Coho salmon - Puget Sound: South Puget Sound (hatchery)	4	Update	
NW/SW	PFMC	INT	Coho salmon - Puget Sound: Stillaguamish	4	Update	
NW/SW	PFMC	INT	Coho salmon - Washington Coast: Grays Harbor	5	Update	
NW/SW	PFMC	INT	Coho salmon - Washington Coast: Hoh	5	Update	
NW/SW	PFMC	INT	Coho salmon - Washington Coast: Queets	5	Update	
NW/SW	PFMC	INT	Coho salmon - Washington Coast: Quillayute (fall)	4	Update	
NW/SW	PFMC	Non - FSSI	Coho salmon - Washington Coast: Quillayute (summer)	4	Update	
NW/SW	PFMC	Non - FSSI	Coho salmon - Washington Coast: Quinault	1	Update	
NW/SW	PFMC	INT	Coho salmon - Washington Coast: Strait of Juan de Fuca	5	Update	
NW/SW	PFMC	Non - FSSI	Coho salmon - Washington Coast: Willapa Bay	5	Update	
NW/SW	PFMC	Non - FSSI	Coho salmon - Washington Coast: Willapa Bay (natural)	5	Update	
NW/SW	PFMC	INT	Pink salmon - Puget Sound (odd-numbered years)	1	Update	
SEFSC	GMFMC	FSSI	Gag - Gulf of Mexico	4	Update	
SEFSC	GMFMC	FSSI	Greater amberjack - Gulf of Mexico	4	Update	
SEFSC	SAFMC	FSSI	Red grouper - Southern Atlantic Coast	4	Standard	

Planned Assessments for FSSI and Non-FSSI Stocks - FY2017 Quarter 3 (April - June, 2016)

Science Center(s) ¹	Jurisdiction ²	FSSI / Non-FSSI ³	Stock	Planned Asmt Level ⁴	Planned Asmt Type	Notes
AFSC	NPFMC	FSSI	Golden king crab - Aleutian Islands	1	Full Update	
AFSC	NPFMC	Non - FSSI	Golden king crab - Pribilof Islands	1	Full Update	
AFSC	NPFMC	Non - FSSI	Red king crab - Western Aleutian Islands	1	Full Update	
AFSC	NPFMC	Non - FSSI	Weathervane scallop - Alaska	1	Full Update	
NEFSC	MAFMC	FSSI	Ocean quahog - Atlantic Coast	4	Benchmark	
NEFSC	MAFMC	FSSI	Tilefish - Mid-Atlantic Coast	4	Full Update	
NW/SW	PFMC	FSSI	Blackgill rockfish - Southern California	4	Full Update	
NW/SW	PFMC	FSSI	Bocaccio - Southern Pacific Coast	4	Full Update	
NW/SW	PFMC	FSSI	Darkblotched rockfish - Pacific Coast	4	Full Update	
PIFSC	WPFMC	Non - FSSI	Doublebar goatfish - Main Hawaiian Islands	2	New	Delayed from Q1 FY16

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2017 Quarter 3 (April - June, 2016)						
Science Center(s) ¹	Jurisdiction ²	FSSI / Non-FSSI ³	Stock	Planned Asmt Level ⁴	Planned Asmt Type	Notes
PIFSC	WPFMC	Non - FSSI	Parupeneus porphyreus: Whitesaddle goatfish - Main Hawaiian Islands	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Mulloidichthys vanicolensis: Yellowfin goatfish - Main Hawaiian Islands	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Mulloidichthys flavolineatus- Yellowstripe goatfish	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Cephalopholis argus - Peacock hind - Main Hawaiian Islands	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Caranx ignobilis - Main Hawaiian Islands Jack	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Caranx melampygus - Main Hawaiian Islands Jack -	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Chlorurus spilurus -Bullethead parrotfish	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Lutjanus fulvus - Blacktail snapper	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Bicolor parrotfish - Main Hawaiian Islands (Scarus psittacus)	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Scarus psittacus - Palenose parrotfish	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Acanthurus dussumieri (Eyestripe surgeonfish)	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Naso brevirostris	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Naso hexacanthus	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Naso lituratus	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Naso unicornis	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Mulloidichthys pflugeri - Orange goatfish - Main Hawaiian Islands	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Parupeneus cyclostomus - Yellowsaddle goatfish - Main Hawaiian Islands	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Monotaxis grandoculis-Bigeye Emperor	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Bigscale soldierfish - Main Hawaiian Islands (Myripristis berndti)	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	<i>Acanthurus blochii</i>	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	<i>Calotomus carolinus</i>	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Chlorurus perspicillatus - Main Hawaiian Islands	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	Scarus dubius - Main Hawaiian Islands	2	New	Delayed from Q1 FY16
PIFSC	WPFMC	Non - FSSI	<i>Carangoides orthogrammus</i>	2	New	Delayed from Q1 FY16

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2017 Quarter 3 (April - June, 2016)						
Science Center(s) ¹	Jurisdiction ²	FSSI / Non-FSSI ³	Stock	Planned Asmt Level ⁴	Planned Asmt Type	Notes
PIFSC	WPFMC	Non - FSSI	<i>Seriola dumerili</i>	2	New	Delayed from Q1 FY16
SEFSC	CFMC	FSSI	St.Croix (Caribbean) spotlight parrotfish	2	New	Delayed from Q4 FY16
SEFSC	CFMC	FSSI	Yellowtail snapper - Puerto Rico	2	New	Delayed from Q4 FY16
SEFSC	CFMC	FSSI	Caribbean spiny lobster - St. Croix (formerly Caribbean)	2	Benchmark	Delayed from Q4 FY16
SEFSC	CFMC	FSSI	Caribbean spiny lobster - St Thomas (formerly Caribbean)	2	Benchmark	Delayed from Q4 FY16
SEFSC	CFMC	Non - FSSI	Hogfish - Puerto Rico	2	New	Delayed from Q4 FY16
SEFSC	CFMC	FSSI	St. Thomas / St. John Queen Triggerfish	2	New	Delayed from Q4 FY16
SEFSC	GMFMC	Non - FSSI	Speckled hind - Gulf of Mexico	4	New	
SEFSC	GMFMC	Non - FSSI	Snowy Grouper - Gulf of Mexico	4	New	
SEFSC	GMFMC	Non - FSSI	Almaco jack - Gulf of Mexico	4	New	
SEFSC	GMFMC	Non - FSSI	Lesser amberjack - Gulf of Mexico	4	New	
SEFSC	GMFMC	Non - FSSI	Wenchman -Gulf of Mexico	4	New	
SEFSC	GMFMC	Non - FSSI	Lane snapper - Gulf of Mexico	4	New	
SEFSC	SAFMC	FSSI	Black sea bass - Southern Atlantic Coast	4	Standard	
SW/PI	PPMC / WPFMC	INT	Bigeye tuna - Eastern Pacific	4	Full Update	
SW/PI	PPMC / WPFMC	INT	Striped marlin - Eastern Pacific	NA	Data Update	Delayed from Q4 FY16, Assessment Type Under Review
SW/PI	PPMC / WPFMC	INT	Swordfish - Eastern Pacific	NA	Data Update	Assessment Type Under Review
SW/PI	PPMC / WPFMC	INT	Yellowfin tuna - Eastern Pacific	4	Full Update	
SWFSC	PPMC	FSSI	Pacific sardine - Pacific Coast	4	Benchmark	
Planned Assessments for FSSI and Non-FSSI Stocks - FY2017 Quarter 4 (July - September, 2016)						
Science Center(s) ¹	Jurisdiction ²	FSSI / Non-FSSI ³	Stock	Planned Asmt Level ⁴	Planned Asmt Type	Notes
AFSC	NPFMC	Non - FSSI	Coho salmon - Auke Creek	4	Full Update	
AFSC	NPFMC	Non - FSSI	Coho salmon - Berners River	4	Full Update	
AFSC	NPFMC	Non - FSSI	Coho salmon - Hugh Smith Lake	4	Full Update	
AFSC	NPFMC	Non - FSSI	Chinook salmon - Eastern North Pacific Far North Migrating	4	Full Update	
NEFSC	MAFMC	FSSI	Atlantic mackerel - Gulf of Maine / Cape Hatteras	NA	Data Update	Assessment Type Under Review

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2017 Quarter 4 (July - September, 2016)						
Science Center(s) ¹	Jurisdiction ²	FSSI / Non-FSSI ³	Stock	Planned Asmt Level ⁴	Planned Asmt Type	Notes
NEFSC	MAFMC	FSSI	Atlantic surfclam - Mid-Atlantic Coast	NA	Data Update	Assessment Type Under Review
NEFSC	MAFMC	FSSI	Bluefish - Atlantic Coast	4	Full Update	
NEFSC	MAFMC	FSSI	Butterfish - Gulf of Maine / Cape Hatteras	5	Full Update	
NEFSC	MAFMC	FSSI	Longfin inshore squid - Georges Bank / Cape Hatteras	1	Full Update	
NEFSC	MAFMC	FSSI	Northern shortfin squid - Northwestern Atlantic Coast	NA	Data Update	Assessment Type Under Review
NEFSC	MAFMC	FSSI	Scup - Atlantic Coast	NA	Data Update	Assessment Type Under Review
NEFSC	MAFMC	FSSI	Summer flounder - Mid-Atlantic Coast	NA	Data Update	Assessment Type Under Review
NEFSC	NEFMC	Non - FSSI	Atlantic salmon - Gulf of Maine	4	Full Update	
NEFSC	NEFMC	FSSI	Barndoor skate - Georges Bank / Southern New England	1	Full Update	
NEFSC	NEFMC	FSSI	Cleannose skate - Southern New England / Mid-Atlantic	1	Full Update	
NEFSC	NEFMC	FSSI	Little skate - Georges Bank / Southern New England	1	Full Update	
NEFSC	NEFMC	FSSI	Rosette skate - Southern New England / Mid-Atlantic	1	Full Update	
NEFSC	NEFMC	FSSI	Sea scallop - Northwestern Atlantic Coast	1	Partial Update	
NEFSC	NEFMC	FSSI	Smooth skate - Gulf of Maine	1	Full Update	
NEFSC	NEFMC	FSSI	Thorny skate - Gulf of Maine	1	Full Update	
NEFSC	NEFMC	FSSI	Winter skate - Georges Bank / Southern New England	1	Full Update	
NW/SW	PPMC	FSSI	Arrowtooth flounder - Pacific Coast	4	Full Update	
NW/SW	PPMC	FSSI	Blue rockfish - California	4	Benchmark	
NW/SW	PPMC	FSSI	California scorpionfish - Southern California	4	Benchmark	
NW/SW	PPMC	FSSI	Lingcod - Pacific Coast	4	Benchmark	
NW/SW	PPMC	FSSI	Pacific ocean perch - Pacific Coast	4	Benchmark	
NW/SW	PPMC	FSSI	Yelloweye rockfish - Pacific Coast	4	Benchmark	
NW/SW	PPMC	FSSI	Yellowtail rockfish - Northern Pacific Coast	3	Benchmark	
SW/PI	PPMC / WPPMC	INT	Albacore - North Pacific	4	Full Update	
SW/PI	PPMC / WPPMC	INT	Blue shark - North Pacific	3	Full Update	
SW/PI	PPMC / WPPMC	INT	Thresher shark - North Pacific	UNK	New	

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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 Level of complexity of assessment methods used for the particular stock. Generally reflects the availability of data and the value or importance of the fishery. Levels are described in the Stock Assessment Improvement Plan (<http://www.st.nmfs.noaa.gov/StockAssessment/index.html>). A negative level indicates that an assessment was attempted at that level of complexity, but the effort was not accepted in its technical review.

Appendix D. Assessment status for FSSI stocks and stock complexes at the end of Q4 FY2016. Changes in assessment information relative to the previous fish assessment quarterly report are highlighted with red text. For more information, please see the Species Information System Public Portal at www.st.nmfs.noaa.gov/sisPortal/.

Science Center(s) ¹	Jurisdiction ²	Stock	Last Assessment				Assessment Notes
			Fiscal Year	Level ³	Type	Adequate?	
AFSC	NPFMC	Alaska plaice - Bering Sea / Aleutian Islands	2016	4	Partial Update	Yes	
AFSC	NPFMC	Arrowtooth flounder - Bering Sea / Aleutian Islands	2016	5	Partial Update	Yes	
AFSC	NPFMC	Arrowtooth flounder - Gulf of Alaska	2016	4	Benchmark	Yes	
AFSC	NPFMC	Atka mackerel - Bering Sea / Aleutian Islands	2016	4	Full Update	Yes	
AFSC	NPFMC	Bering Sea / Aleutian Islands Blackspotted and Rougheye Rockfish Complex	2016	4	Partial Update	Yes	
AFSC	NPFMC	Bering Sea / Aleutian Islands Flathead Sole Complex	2016	5	Partial Update	Yes	The assessment is for the Flathead Sole Complex indicator stock, flathead sole.
AFSC	NPFMC	Bering Sea / Aleutian Islands Rock Sole Complex	2016	4	Full Update	Yes	The assessment listed is for the Rock Sole Complex indicator stock, Northern rock sole.
AFSC	NPFMC	Bering Sea / Aleutian Islands Skate Complex	2016	4	Partial Update	Yes	The assessment is for the Bering Sea / Aleutian Islands Skate Complex indicator stock, Alaska skate.
AFSC	NPFMC	Blue king crab - Pribilof Islands	2016	1	Full Update	No	
AFSC	NPFMC	Blue king crab - Saint Matthew Island	2016	4	Full Update	Yes	
AFSC	NPFMC	Dusky rockfish - Gulf of Alaska	2016	4	Benchmark	Yes	
AFSC	NPFMC	Flathead sole - Gulf of Alaska	2016	4	Full Update	Yes	
AFSC	NPFMC	Golden king crab - Aleutian Islands	2016	1	Full Update	No	
AFSC	NPFMC	Greenland halibut - Bering Sea / Aleutian Islands	2016	4	Benchmark	Yes	
AFSC	NPFMC	Gulf of Alaska Blackspotted and Rougheye Rockfish Complex	2016	4	Benchmark	Yes	
AFSC	NPFMC	Gulf of Alaska Deepwater Flatfish Complex	2016	4	Benchmark	Yes	The assessment is for Deepwater Flatfish Complex indicator stock, Dover sole.

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Science Center(s) ¹	Jurisdiction ²	Stock	Last Assessment				Assessment Notes
			Fiscal Year	Level ³	Type	Adequate?	
AFSC	NPFMC	Gulf of Alaska Demersal Shelf Rockfish Complex	2016	3	Full Update	Yes	The assessment is for Demersal Shelf Rockfish Complex indicator stock, yelloweye rockfish.
AFSC	NPFMC	Gulf of Alaska Shallow Water Flatfish Complex	2016	4	Benchmark	Yes	The assessment is for Gulf of Alaska Shallow Water Flatfish Complex indicator stocks, rock sole and Northern rock sole.
AFSC	NPFMC	Gulf of Alaska Thornyhead Rockfish Complex	2016	3	Benchmark	Yes	The assessment is for the Thornyhead Rockfish Complex indicator stock, shortspine thornyhead.
AFSC	NPFMC	Northern rockfish - Bering Sea / Aleutian Islands	2016	4	Partial Update	Yes	
AFSC	NPFMC	Northern rockfish - Western / Central Gulf of Alaska	2016	4	Benchmark	Yes	
AFSC	NPFMC	Pacific cod - Bering Sea / Aleutian Islands	2016	4	Full Update	Yes	
AFSC	NPFMC	Pacific cod - Gulf of Alaska	2016	4	Benchmark	Yes	
AFSC	NPFMC	Pacific ocean perch - Bering Sea / Aleutian Islands	2016	4	Partial Update	Yes	
AFSC	NPFMC	Pacific ocean perch - Gulf of Alaska	2016	4	Benchmark	Yes	
AFSC	NPFMC	Red king crab - Bristol Bay	2016	4	Full Update	Yes	
AFSC	NPFMC	Red king crab - Norton Sound	2016	4	Full Update	Yes	
AFSC	NPFMC	Red king crab - Pribilof Islands	2016	1	Full Update	No	
AFSC	NPFMC	Rex sole - Gulf of Alaska	2016	4	Benchmark	Yes	
AFSC	NPFMC	Sablefish - Eastern Bering Sea / Aleutian Islands / Gulf of Alaska	2016	4	Full Update	Yes	
AFSC	NPFMC	Snow crab - Bering Sea	2016	4	Full Update	Yes	
AFSC	NPFMC	Southern Tanner crab - Bering Sea	2016	4	Full Update	Yes	
AFSC	NPFMC	Walleye pollock - Aleutian Islands	2016	4	Full Update	Yes	
AFSC	NPFMC	Walleye pollock - Eastern Bering Sea	2016	4	Full Update	Yes	
AFSC	NPFMC	Walleye pollock - Western / Central / West Yakutat Gulf of Alaska	2016	4	Full Update	Yes	
AFSC	NPFMC	Yellowfin sole - Bering Sea / Aleutian Islands	2016	5	Full Update	Yes	

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Science Center(s) ¹	Jurisdiction ²	Stock	Last Assessment				Assessment Notes
			Fiscal Year	Level ³	Type	Adequate?	
NEFSC	MAFMC	Atlantic mackerel - Gulf of Maine / Cape Hatteras	2010	(-4)	Full Update	No	
			2016	1	Indicator Analysis		
NEFSC	MAFMC	Atlantic surfclam - Mid-Atlantic Coast	2013	4	Benchmark	Yes	Planned 2016 Benchmark delayed to FY 2017 Q1
			2016	1	Indicator Analysis		
NEFSC	MAFMC	Black sea bass - Mid-Atlantic Coast	2012	4	Full Update	Yes	
			2016	1	Indicator Analysis		
NEFSC	MAFMC	Bluefish - Atlantic Coast	2015	4	Benchmark	Yes	
			2016	1	Indicator Analysis		
NEFSC	MAFMC	Butterfish - Gulf of Maine / Cape Hatteras	2014	5	Benchmark	Yes	
			2016	1	Indicator Analysis		
NEFSC	MAFMC	Longfin inshore squid - Georges Bank / Cape Hatteras	2016	1	Indicator Analysis	No	
NEFSC	MAFMC	Northern shortfin squid - Northwestern Atlantic Coast	2005	2	Benchmark	No	
			2016	1	Indicator Analysis		
NEFSC	MAFMC	Ocean quahog - Atlantic Coast	2013	4	Full Update	Yes	
			2016	1	Indicator Analysis		
NEFSC	MAFMC	Scup - Atlantic Coast	2015	4	Benchmark	Yes	
			2016	1	Indicator Analysis		
NEFSC	MAFMC	Summer flounder - Mid-Atlantic Coast	2016	4	Full Update	Yes	
NEFSC	MAFMC	Tilefish - Mid-Atlantic Coast	2014	4	Benchmark	Yes	
			2016	1	Indicator Analysis		
NEFSC	NEFMC	Acadian redfish - Gulf of Maine / Georges Bank	2016	4	Full Update	Yes	
NEFSC	NEFMC	American plaice - Gulf of Maine / Georges Bank	2016	4	Full Update	Yes	
NEFSC	NEFMC	Atlantic cod - Georges Bank	2016	(-4)	Full Update	Yes	Asmts conducted on Eastern Georges Bank substock (4, Full Update, 2016) and Georges Bank (-4). Previous asmt for Georges Bank still considered adequate.
NEFSC	NEFMC	Atlantic cod - Gulf of Maine	2016	4	Full Update	Yes	
NEFSC	NEFMC	Atlantic halibut - Northwestern Atlantic Coast	2016	(-3)	Full Update	See note	Previous asmt for Atlantic halibut still considered adequate.
NEFSC	NEFMC	Atlantic herring - Northwestern Atlantic Coast	2015	5	Full Update	Yes	

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Science Center(s) ¹	Jurisdiction ²	Stock	Last Assessment				Assessment Notes
			Fiscal Year	Level ³	Type	Adequate?	
NEFSC	NEFMC	Atlantic wolffish - Gulf of Maine / Georges Bank	2016	4	Full Update	Yes	
NEFSC	NEFMC	Barndoor skate - Georges Bank / Southern New England	2016	1	Full Update	No	
NEFSC	NEFMC	Clearnose skate - Southern New England / Mid-Atlantic	2016	1	Full Update	No	
NEFSC	NEFMC	Haddock - Georges Bank	2016	4	Full Update	Yes	Asmts conducted on Eastern Georges Bank substock (4, Partial Update, 2016) and Georges Bank
NEFSC	NEFMC	Haddock - Gulf of Maine	2016	4	Full Update	Yes	
NEFSC	NEFMC	Little skate - Georges Bank / Southern New England	2016	1	Full Update	No	
NEFSC	NEFMC	Ocean pout - Northwestern Atlantic Coast	2016	1	Full Update	No	
NEFSC	NEFMC	Offshore hake - Northwestern Atlantic Coast	2011	-1	Benchmark	No	
NEFSC	NEFMC	Pollock - Gulf of Maine / Georges Bank	2016	4	Full Update	Yes	
NEFSC	NEFMC	Red deepsea crab - Northwestern Atlantic	2008	1	Benchmark	No	
NEFSC	NEFMC	Red hake - Gulf of Maine / Northern Georges Bank	2015	1	Full Update	No	
NEFSC	NEFMC	Red hake - Southern Georges Bank / Mid-Atlantic	2015	1	Full Update	No	
NEFSC	NEFMC	Rosette skate - Southern New England / Mid-Atlantic	2016	1	Full Update	No	
NEFSC	NEFMC	Sea scallop - Northwestern Atlantic Coast	2016	4	Partial Update	Yes	
NEFSC	NEFMC	Silver hake - Gulf of Maine / Northern Georges Bank	2014	1	Full Update	No	
NEFSC	NEFMC	Silver hake - Southern Georges Bank / Mid-Atlantic	2014	1	Full Update	No	
NEFSC	NEFMC	Smooth skate - Gulf of Maine	2016	1	Full Update	No	
NEFSC	NEFMC	Thorny skate - Gulf of Maine	2016	1	Full Update	No	

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Science Center(s) ¹	Jurisdiction ²	Stock	Last Assessment				Assessment Notes
			Fiscal Year	Level ³	Type	Adequate?	
NEFSC	NEFMC	White hake - Gulf of Maine / Georges Bank	2016	4	Full Update	Yes	
NEFSC	NEFMC	Windowpane - Gulf of Maine / Georges Bank	2016	1	Full Update	No	
NEFSC	NEFMC	Windowpane - Southern New England / Mid-Atlantic	2016	1	Full Update	No	
NEFSC	NEFMC	Winter flounder - Georges Bank	2016	4	Full Update	Yes	
NEFSC	NEFMC	Winter flounder - Gulf of Maine	2016	1	Full Update	No	
NEFSC	NEFMC	Winter flounder - Southern New England / Mid-Atlantic	2016	4	Full Update	Yes	
NEFSC	NEFMC	Winter skate - Georges Bank / Southern New England	2016	1	Full Update	No	
NEFSC	NEFMC	Witch flounder - Northwestern Atlantic Coast	2016	4	Full Update	Yes	
NEFSC	NEFMC	Yellowtail flounder - Cape Cod / Gulf of Maine	2016	4	Full Update	Yes	
NEFSC	NEFMC	Yellowtail flounder - Georges Bank	2013	4	Full Update	Yes	
			2016	1	Indicator Analysis		
NEFSC	NEFMC	Yellowtail flounder - Southern New England / Mid-Atlantic	2016	4	Benchmark	Yes	
NEFSC	NEFMC/MAFMC	Goosefish - Gulf of Maine / Northern Georges Bank	2013	4	Full Update	Yes	
			2016	1	Indicator Analysis		
NEFSC	NEFMC/MAFMC	Goosefish - Southern Georges Bank / Mid-Atlantic	2013	4	Full Update	Yes	
			2016	1	Indicator Analysis		
NEFSC	NEFMC/MAFMC	Spiny dogfish - Atlantic Coast	2014	4	Full Update	Yes	
			2016	1	Indicator Analysis		
NWFSC/SWFSC	PPMC	Arrowtooth flounder - Pacific Coast	2015	4	Partial Update	Yes	
NWFSC/SWFSC	PPMC	Black rockfish - Northern Pacific Coast	2016	4	Benchmark	Yes	
NWFSC/SWFSC	PPMC	Black rockfish - Southern Pacific Coast	2016	4	Benchmark	Yes	
NWFSC/SWFSC	PPMC	Blackgill rockfish - Southern California	2011	4	Benchmark	No	

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Science Center(s) ¹	Jurisdiction ²	Stock	Last Assessment				Assessment Notes
			Fiscal Year	Level ³	Type	Adequate?	
NWFSC/SWFSC	PPMC	Blue rockfish - California	2007	4	New	No	
NWFSC/SWFSC	PPMC	Bocaccio - Southern Pacific Coast	2015	4	Full Update	Yes	
NWFSC/SWFSC	PPMC	Brown rockfish - Pacific Coast	2013	3	New	Yes	
NWFSC/SWFSC	PPMC	Cabazon - California	2009	4	Benchmark	No	
NWFSC/SWFSC	PPMC	California scorpionfish - Southern California	2016	4	Partial Update	Yes	
NWFSC/SWFSC	PPMC	Canary rockfish - Pacific Coast	2015	4	Benchmark	Yes	
NWFSC/SWFSC	PPMC	Chilipepper - Southern Pacific Coast	2015	4	Full Update	Yes	
NWFSC/SWFSC	PPMC	Chinook salmon - Sacramento River Fall	2016	4	Full Update	Yes	Accidentally Reversed
NWFSC/SWFSC	PPMC	Chinook salmon - Klamath River Fall	2016	3	Full Update	Yes	Accidentally Reversed
NWFSC/SWFSC	PPMC	Cowcod - Southern California	2013	3	Benchmark	Yes	
NWFSC/SWFSC	PPMC	Darkblotched rockfish - Pacific Coast	2015	4	Benchmark	Yes	
NWFSC/SWFSC	PPMC	Dover sole - Pacific Coast	2011	4	Benchmark	No	
NWFSC/SWFSC	PPMC	English sole - Pacific Coast	2013	3	Benchmark	Yes	
NWFSC/SWFSC	PPMC	Gopher rockfish - Northern California	2005	4	Full Update	No	
NWFSC/SWFSC	PPMC	Greenspotted rockfish - Pacific Coast	2011	3	New	No	
NWFSC/SWFSC	PPMC	Greenstriped rockfish - Pacific Coast	2009	4	New	No	
NWFSC/SWFSC	PPMC	Kelp greenling - Oregon	2015	4	Benchmark	Yes	
NWFSC/SWFSC	PPMC	Lingcod - Pacific Coast	2009	4	Benchmark	No	
NWFSC/SWFSC	PPMC	Longnose skate - Pacific Coast	2007	4	Full Update	No	
NWFSC/SWFSC	PPMC	Longspine thornyhead - Pacific Coast	2013	3	Benchmark	Yes	
NWFSC/SWFSC	PPMC	Pacific ocean perch - Pacific Coast	2011	4	Benchmark	No	
NWFSC/SWFSC	PPMC	Pacific sanddab - Pacific Coast	2013	4	New	Yes	Partial acceptance -- status determinations only
NWFSC/SWFSC	PPMC	Petrale sole - Pacific Coast	2015	4	Full Update	Yes	
NWFSC/SWFSC	PPMC	Rex sole - Pacific Coast	2013	3	Full Update	Yes	
NWFSC/SWFSC	PPMC	Rougheye rockfish - Pacific Coast	2013	4	Full Update	Yes	

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NWFSC/SWFSC	PFMC	Sablefish - Pacific Coast	2015	4	Full Update	Yes	
NWFSC/SWFSC	PFMC	Shortbelly rockfish - Pacific Coast	2007	4	New	No	
NWFSC/SWFSC	PFMC	Shortspine thornyhead - Pacific Coast	2013	3	Benchmark	Yes	
NWFSC/SWFSC	PFMC	Spiny dogfish - Pacific Coast	2011	4	New	No	
NWFSC/SWFSC	PFMC	Splitnose rockfish - Pacific Coast	2009	4	New	No	
NWFSC/SWFSC	PFMC	Starry flounder - Pacific Coast	2005	4	New	No	
NWFSC/SWFSC	PFMC	Vermilion rockfish - California	2005	-4	New	No	Rejected -- results too uncertain to be considered adequate
NWFSC/SWFSC	PFMC	Widow rockfish - Pacific Coast	2015	4	Benchmark	Yes	
NWFSC/SWFSC	PFMC	Yelloweye rockfish - Pacific Coast	2016	4	Partial Update	Yes	
NWFSC/SWFSC	PFMC	Yellowtail rockfish - Northern Pacific Coast	2013	3	Benchmark	Yes	
PIFSC	WPFMC	American Samoa Bottomfish Multi-species Complex	2015	3	Full Update	Yes	
PIFSC	WPFMC	Guam Bottomfish Multi-species Complex	2015	3	Full Update	Yes	
PIFSC	WPFMC	Main Hawaiian Islands Deep Bottomfish Multi-species Complex	2015	-3	Benchmark	No	The 2015 assessment was not accepted as the best scientific information available for use by management, however, 2011 assessment is still considered adequate.
PIFSC	WPFMC	Northern Mariana Islands Bottomfish Multi-species Complex	2015	3	Full Update	Yes	
SEFSC	CFMC	Caribbean Groupers	2014	1	Benchmark	No	Assessment of complex component red hind
SEFSC	CFMC	Caribbean Parrotfish Complex	NA			No	Assessment planned for FY16 Delayed
SEFSC	CFMC	Caribbean Snappers	2012	2	New	No	Assessment of complex component silk snapper, Assessment planned for FY16 Delayed
SEFSC	CFMC	Caribbean spiny lobster - Puerto Rico	2009	2	New	No	Basin-wide assessment of Caribbean spiny lobster.
SEFSC	CFMC	Caribbean spiny lobster - St. Croix	2009	2	New	No	Assessment planned for FY16 Delayed
SEFSC	CFMC	Caribbean spiny lobster - St. Thomas/St. John	2009	2	New	No	Assessment planned for FY16 Delayed

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			Fiscal Year	Level ³	Type	Adequate?	
SEFSC	CFMC	Queen conch - Caribbean	2009	2	New	No	
SEFSC	CFMC	Triggerfish and Filefish Complex - Puerto Rico	2013	-1	Benchmark	No	Assessment of queen triggerfish in the Caribbean
SEFSC	CFMC	Triggerfish and Filefish Complex - St. Croix	2013	-1	Benchmark	No	Assessment of queen triggerfish in the Caribbean
SEFSC	CFMC	Triggerfish and Filefish Complex - St. Thomas/St. John	2013	-1	Benchmark	No	Assessment of queen triggerfish in the Caribbean, Assessment planned for FY16 Delayed
SEFSC	GMFMC	Brown shrimp - Gulf of Mexico	2016	4	Full Update	Yes	
SEFSC	GMFMC	Gag - Gulf of Mexico	2014	4	Benchmark	Yes	
SEFSC	GMFMC	Gray triggerfish - Gulf of Mexico	2015	4	Full Update	Yes	
SEFSC	GMFMC	Greater amberjack - Gulf of Mexico	2014	4	Benchmark	Yes	
SEFSC	GMFMC	Hogfish - Eastern Gulf of Mexico	2014	4	Benchmark	Yes	
SEFSC	GMFMC	Pink shrimp - Gulf of Mexico	2016	4	Full Update	Yes	
SEFSC	GMFMC	Red grouper - Gulf of Mexico	2016	4	Benchmark	No	
SEFSC	GMFMC	Red snapper - Gulf of Mexico	2015	4	Full Update	Yes	
SEFSC	GMFMC	Royal red shrimp - Gulf of Mexico	2016	1	Full Update	No	
SEFSC	GMFMC	Tilefish - Gulf of Mexico	2011	4	Benchmark	No	
SEFSC	GMFMC	Vermilion snapper - Gulf of Mexico	2016	4	Full Update	Yes	
SEFSC	GMFMC	White shrimp - Gulf of Mexico	2016	4	Full Update	Yes	
SEFSC	GMFMC	Yellowedge grouper - Gulf of Mexico	2010	4	Benchmark	No	
SEFSC	HMS	Atlantic sharpnose shark - Atlantic	2013	4	Full Update	Yes	Partial acceptance -- status determinations only
SEFSC	HMS	Atlantic sharpnose shark - Gulf of Mexico	2013	4	Full Update	Yes	Partial acceptance -- status determinations only
SEFSC	HMS	Blacknose shark - Atlantic	2011	4	Full Update	No	
SEFSC	HMS	Blacknose shark - Gulf of Mexico	2011	-4	Full Update	No	Assessment previously counted as adequate
SEFSC	HMS	Blacktip shark - Atlantic	2006	-4	Full Update	No	
SEFSC	HMS	Blacktip shark - Gulf of Mexico	2012	4	Full Update	Yes	
SEFSC	HMS	Blue shark - Atlantic	2016	4	Benchmark	No	
SEFSC	HMS	Bonnethead - Atlantic	2013	-4	Full Update	No	Rejected -- results too uncertain to be considered adequate

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			Fiscal Year	Level ³	Type	Adequate?	
SEFSC	HMS	Bonnethead - Gulf of Mexico	2013	-4	Full Update	No	Rejected -- results too uncertain to be considered adequate
SEFSC	HMS	Dusky shark - Atlantic	2016	4	Full Update	Yes	
SEFSC	HMS	Finetooth shark - Atlantic	2007	3	Benchmark	No	
SEFSC	HMS	Porbeagle - Atlantic	2009	4	New	No	Asmt sunset at end of FY15
SEFSC	HMS	Sandbar shark - Atlantic	2011	4	Full Update	No	
SEFSC	HMS	Scalloped Hammerhead Complex - Atlantic	2009	3	Unknown	No	Asmt sunset at end of FY15
SEFSC	HMS	Shortfin mako - Atlantic	2012	4	Benchmark	Yes	
SEFSC	SAFMC	Black grouper - Southern Atlantic Coast	2010	4	Benchmark	No	Asmt sunset at end of FY15
SEFSC	SAFMC	Black sea bass - Southern Atlantic Coast	2013	4	Full Update	Yes	
SEFSC	SAFMC	Blueline tilefish - Southern Atlantic Coast	2013	4	Benchmark	Yes	
SEFSC	SAFMC	Brown rock shrimp - Southern Atlantic Coast	2016	1	Full Update	No	
SEFSC	SAFMC	Brown shrimp - Southern Atlantic Coast	2016	1	Full Update	No	
SEFSC	SAFMC	Dolphinfish - Southern Atlantic Coast	2000	2	Unknown	No	
SEFSC	SAFMC	Gag - Southern Atlantic Coast	2014	4	Full Update	Yes	
SEFSC	SAFMC	Gray triggerfish - Southern Atlantic Coast	2016	-4	Benchmark	No	2016 Benchmark was rejected due to poor model fit. 2001 Was last accepted assessment
SEFSC	SAFMC	Greater amberjack - Southern Atlantic Coast	2008	4	Benchmark	No	
SEFSC	SAFMC	Hogfish - Southeast Florida	2014	4	Benchmark	Yes	
SEFSC	SAFMC	Pink shrimp - Southern Atlantic Coast	2016	1	Full Update	No	
SEFSC	SAFMC	Red grouper - Southern Atlantic Coast	2010	4	Benchmark	No	Asmt sunset at end of FY15. Next asmt has been rescheduled for FY2017
SEFSC	SAFMC	Red porgy - Southern Atlantic Coast	2012	4	Full Update	Yes	
SEFSC	SAFMC	Red snapper - Southern Atlantic Coast	2016	4	Benchmark	Yes	

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SEFSC	SAFMC	Snowy grouper - Southern Atlantic Coast	2014	4	Unknown	Yes	
SEFSC	SAFMC	Speckled hind - Southern Atlantic Coast	2001	2	Unknown	No	
SEFSC	SAFMC	Tilefish - Southern Atlantic Coast	2016	4	Full Update	Yes	
SEFSC	SAFMC	Vermilion snapper - Southern Atlantic Coast	2012	4	Full Update	Yes	
SEFSC	SAFMC	Warsaw grouper - Southern Atlantic Coast	2001	2	Unknown	No	
SEFSC	SAFMC	White shrimp - Southern Atlantic Coast	2016	1	Full Update	No	
SEFSC	SAFMC/ GMFMC	Caribbean spiny lobster - Southern Atlantic Coast / Gulf of Mexico	2010	(-4)	Full Update	No	Rejected -- results too uncertain to be considered adequate
SEFSC	SAFMC/ GMFMC	Cobia - Gulf of Mexico	2013	4	Benchmark	Yes	
SEFSC	SAFMC/ GMFMC	Cobia - Southern Atlantic Coast	2013	4	Benchmark	Yes	
SEFSC	SAFMC/ GMFMC	King mackerel - Gulf of Mexico	2014	4	Benchmark	Yes	
SEFSC	SAFMC/ GMFMC	King mackerel - Southern Atlantic Coast	2014	4	Benchmark	Yes	
SEFSC	SAFMC/ GMFMC	Mutton snapper - Southern Atlantic Coast / Gulf of Mexico	2015	4	Full Update	Yes	
SEFSC	SAFMC/ GMFMC	Spanish mackerel - Gulf of Mexico	2013	4	Benchmark	Yes	
SEFSC	SAFMC/ GMFMC	Spanish mackerel - Southern Atlantic Coast	2013	4	Benchmark	Yes	
SEFSC	SAFMC/ GMFMC	Yellowtail snapper - Southern Atlantic Coast / Gulf of Mexico	2012	4	Benchmark	Yes	
SWFSC	PFMC	Northern anchovy - Southern Pacific Coast	1995	0	Unknown	No	
SWFSC	PFMC	Opalescent inshore squid - Pacific Coast	2006	2	New	No	
SWFSC	PFMC	Pacific chub mackerel - Pacific Coast	2015	4	Benchmark	Yes	
SWFSC	PFMC	Pacific sardine - Pacific Coast	2016	5	Full Update	Yes	

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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 Level of complexity of assessment methods used for the particular stock. Generally reflects the availability of data and the value or importance of the fishery. Levels are described in the Stock Assessment Improvement Plan <http://www.st.nmfs.noaa.gov/StockAssessment/index.html>). A negative level indicates that an assessment was attempted at that level of complexity, but the effort was not accepted in its technical review.



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