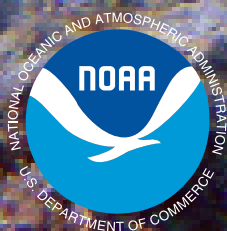
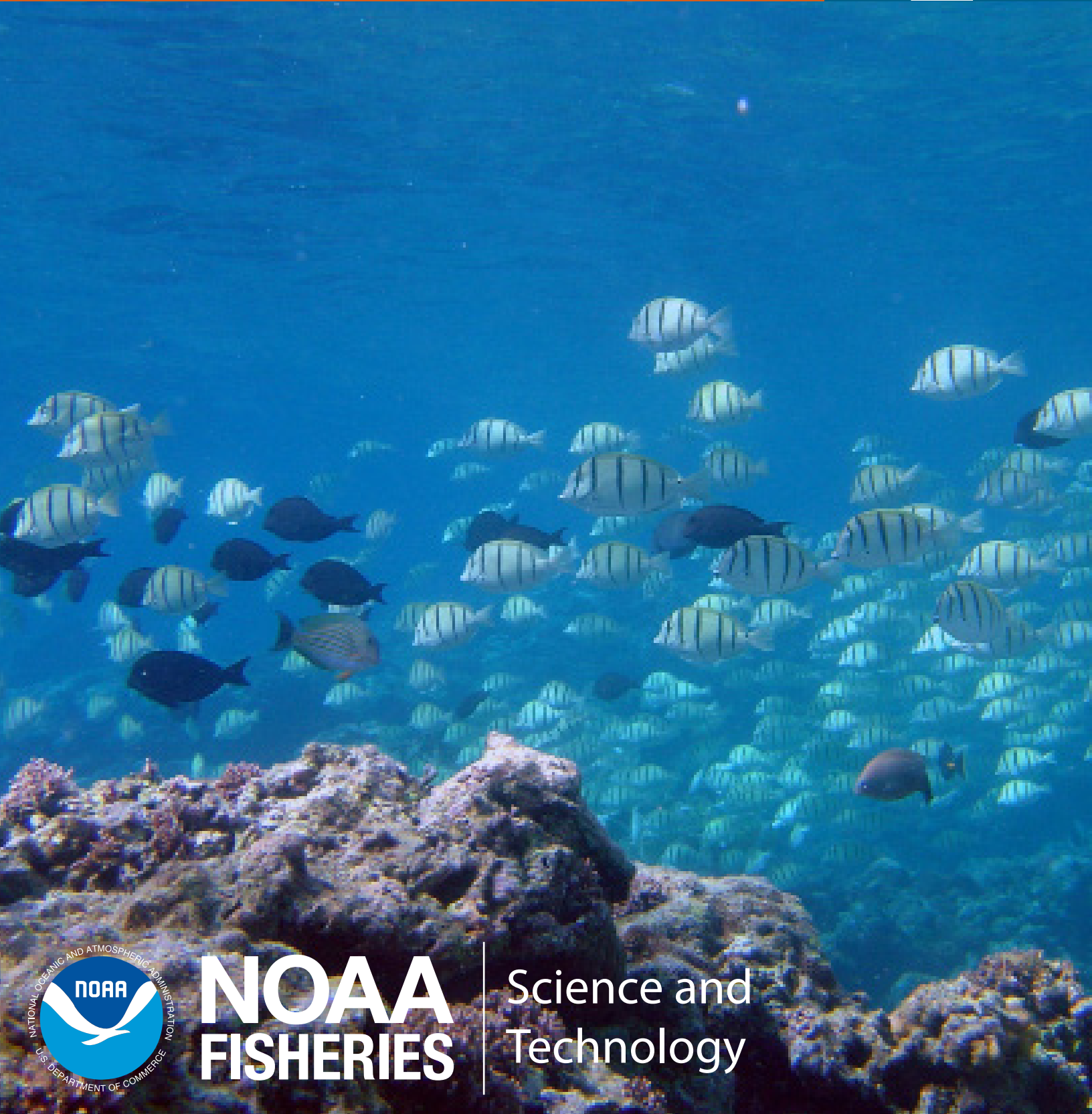


Fish Assessment Report

FY 2015 Quarter 4 Update

4

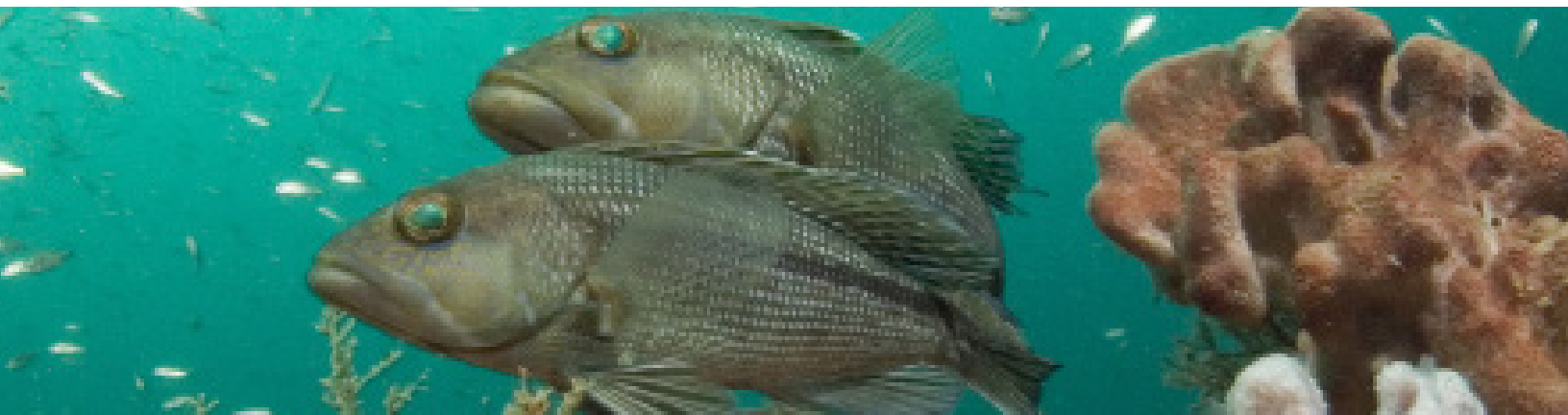


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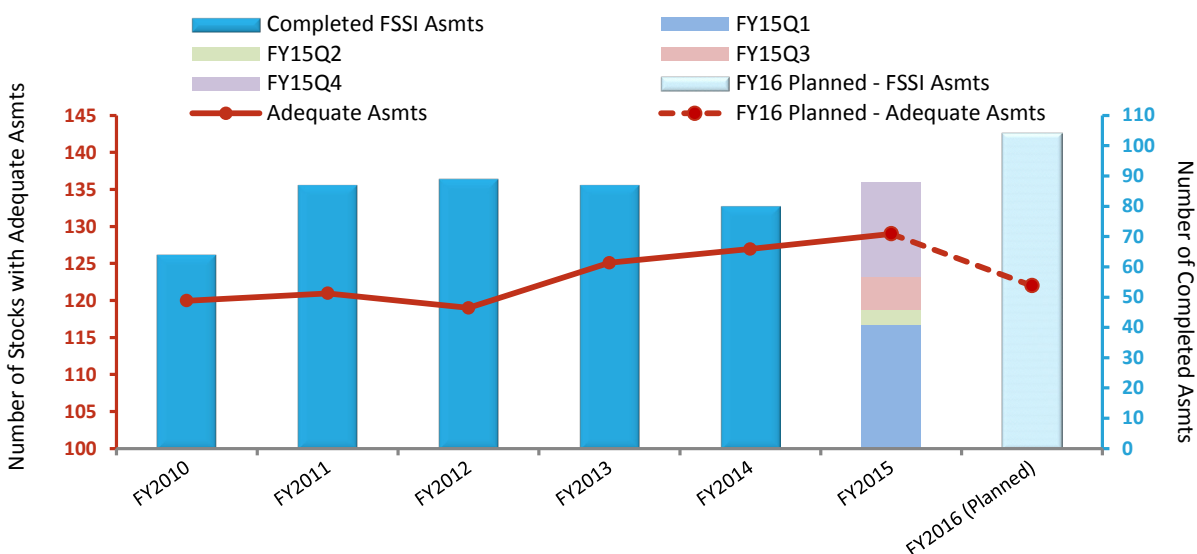
Science and
Technology

Overview

Stock assessments are key to the sustainable management of our Nation's fisheries and provide the best scientific information available to determine the status of fish stocks. They guide the setting of annual catch limits (ACLs) that prevent overfishing and attain optimum yield from our Nation's fisheries. NOAA Fisheries works with its partners in each management area to conduct right-sized 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. The *Fish Assessment Report* provides a quarterly update on the status of NOAA Fisheries assessment activities for federally managed fish stocks. In FY2015 NOAA Fisheries assessed 88 of the 199 stocks included in the Fish Stock Sustainability Index (FSSI), an index used to measure the performance of commercially and recreationally important fisheries. At the end of FY2015, the cumulative number of FSSI stocks that have assessments considered to be adequate based on their timeliness and modeling approach is the highest value ever.



NOAA Fisheries Assessment Trends for FSSI Stocks



Recent and projected assessment activity for federally managed stocks included in the Fish Stock Sustainability Index (FSSI). The number of FSSI stocks with adequate assessments reached an all time high in FY2015. This number is anticipated to decrease in FY2016 due to 12 assessments sunsetting (i.e. greater than 5 years old) and an increased effort to provide scientific information for many non-FSSI stocks, for which first time assessments will be conducted. These non-FSSI efforts will not contribute to this performance measure but will increase the overall quality of the science provided for fishery management.

Assessments this Quarter

During Quarter 4, 39 stocks were assessed, including 31 FSSI and 8 non-FSSI stocks.

During Quarter 4, 31 assessments were completed for FSSI stocks and stock complexes, bringing the number of FSSI assessments completed during FY2015 to 88. In addition, 8 assessments were completed for non-FSSI stocks and stock complexes, bringing the number of non-FSSI assessments completed during FY2015 to 106. The total number of FSSI and non-FSSI assessments completed during FY2015 is 194 (see Table 1).

Key FSSI assessments completed during Quarter 4 include benchmark assessments for Gulf of Mexico gray triggerfish, three benchmark assessments for Pacific coast groundfish, full updates for Western Pacific territory bottomfish multi-species complexes, and 24 assessments for New England and Mid-Atlantic fish stocks.

Key non-FSSI stock assessments completed this quarter include annual updates for Alaskan salmon stocks, a new indicator-based assessment for Pacific shortfin mako shark, a full update for western and central Pacific striped marlin and a benchmark assessment for Pacific coast China rockfish.

There were 16 assessments expected to be completed by the end of FY2015 that were delayed due to a variety of reasons including concerns highlighted during the peer review process, delays in data availability, and changes in regional assessment schedules. The majority of these delayed assessments will be completed during Q1 of FY16.

At the end of FY15, the percentage of FSSI stocks with adequate assessments increased to an all-time high of 64.8% (129/199).

Table 1. FY2015 Completed Assessments

Science Center(s)	Quarter 1		Quarter 2		Quarter 3		Quarter 4	
	FSSI	Non-FSSI	FSSI	Non-FSSI	FSSI	Non-FSSI	FSSI	Non-FSSI
Northeast	4	0	0	0	1	0	24	0
Southeast	3	3	1	2	1	0	1	0
Northwest and Southwest ¹	0	0	2	64	6	0	3	1
Southwest	0	0	0	0	2	0	0	0
Alaska	34	23	1	0	1	3	0	5
Pacific Islands	0	0	1	0	0	0	3	0
Southwest and Pacific Islands ²	0	0	0	0	0	0	0	2

Footnotes:

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

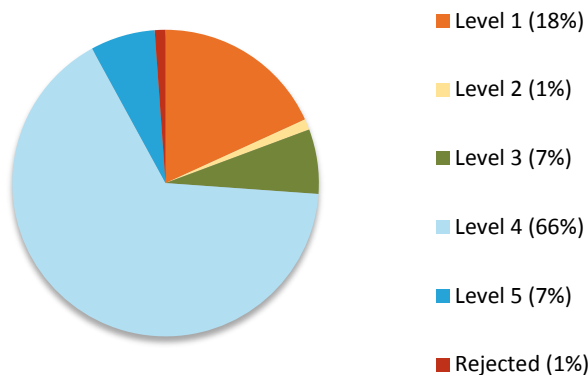
²The Southwest and Pacific Islands Fisheries Science Centers jointly conduct assessments for U.S. West Coast Fisheries for Highly Migratory Species and Pacific Pelagic Fisheries of the Western Pacific Region Ecosystem.

Model Complexity and Assessment Type

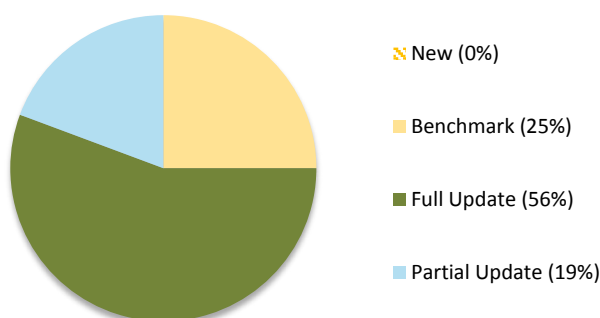
In FY2015, 80% of the assessments conducted for FSSI stocks are considered adequate (level 3 or higher) and a majority of these assessments were conducted as updates rather than benchmark assessments. For non-FSSI stocks, 71% of the assessments conducted during FY2015 were completed at a level 3 or higher. Index-based and simple life history approaches (level 1 and 2) were conducted for 47 stocks (17 FSSI and 30 non-FSSI) providing important science-based advice for the management of data-limited stocks. Ecosystem considerations (level 5) were included in 18 assessments accounting for 9% of all completed assessments during FY2015. Assessment levels and types for all assessments completed through the end of FY2015 are shown in the charts below:

FSSI

Assessment Levels

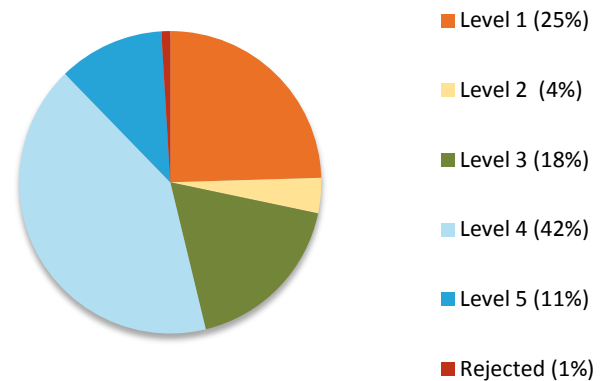


Assessment Types

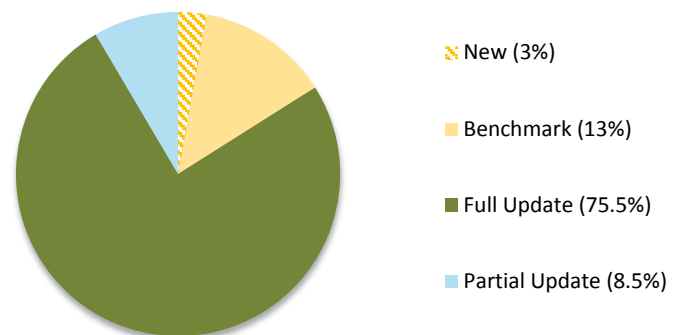


Non-FSSI

Assessment Levels



Assessment Types



Assessment levels are defined as: 1=index only (commercial or research CPUE); 2=simple life history equilibrium models; 3=aggregated production models; 4=size/age/stage-structured models; and 5=models incorporating ecosystem considerations and spatial and seasonal analyses. Assessment types are defined as follows: Benchmarks substantially differ from the previous assessment model structure and may include new data types; Full Updates include most recent year of data and only minor revisions to existing model; and Partial Updates are essentially executive summaries that advance the assessment projections by one year. For details, see the [Marine Fisheries Stock Assessment Improvement Plan](#).

Regional Highlights: NE Operational Assessments



Photo Credit: Northeast Fisheries Science Center

The Northeast Fisheries Science Center recently completed assessments for all 20 stocks in the New England Fishery Management Council's Northeast Multi-species (Groundfish) Fisheries Management Plan. The assessments were conducted as operational updates (e.g. full updates), where new data are added to the previously reviewed benchmark assessments. The peer review process was streamlined because only limited changes to assessment model structure and data were allowed. The process improved overall efficiency by providing timely information for a large number of stocks for New England Fishery Management Council decisions. The streamlined process included pre-assessment outreach meetings, access to the peer review meeting through an online webinar and a data-rich public data portal. The data portal provided access to draft assessment working papers and supplemental materials including model inputs and outputs.

The peer review panel was held September 14-18, 2015 and accepted 18 of the 20 assessments as the scientific basis for setting overfishing limits (OFLs). Assessments for two stocks, Georges Bank cod and Atlantic halibut,

were not accepted as a basis for setting OFLs because they had varying degrees of model diagnostic problems including retrospective patterns for cod and sensitivity to initial conditions for halibut. Harvest advice for both of these stocks was based on recent average catch.

While much of the focus of the operational assessments results has been on the depleted cod and flounder stocks, overall biomass in the groundfish complex is the highest ever; with record abundance of haddock and high levels for redfish and pollock.

Additional information for the Northeast Groundfish Operational Assessment process can be found at the Northeast Fisheries Science Center website (<http://www.nefsc.noaa.gov/groundfish/operational-assessments-2015>). Draft assessment reports and supplemental information for each stock including model inputs and outputs, can be found on the Stock Assessment Support Information (SASINF) data portal (http://www.nefsc.noaa.gov/saw/sasi/sasi_report_options.php). Look forward to these operational assessments contributing to the count of completed assessments in FY16Q1.

12th National Stock Assessment Workshop

NOAA Fisheries held the 12th National Stock Assessment Workshop: "Overfishing? Overfished? Approaches and Challenges Surrounding Stock Status Determination Criteria" in Portland, Oregon on August 13-15, 2015. Assessment scientists from NOAA Fisheries' Science Centers and the Offices of Science & Technology and Sustainable Fisheries met to discuss approaches used and challenges faced in developing status determination metrics for a variety of stocks, including both data-rich and data-limited situations. Speakers and participants also discussed considerations and approaches to incorporating ecosystem and socioeconomic information into status determination criteria. Proceedings are forthcoming and will be posted on NOAA Fisheries Office of Science Technology's national assessment workshop website (<http://www.st.nmfs.noaa.gov/stock-assessment/workshops>).

Upcoming Assessments & Survey Activity

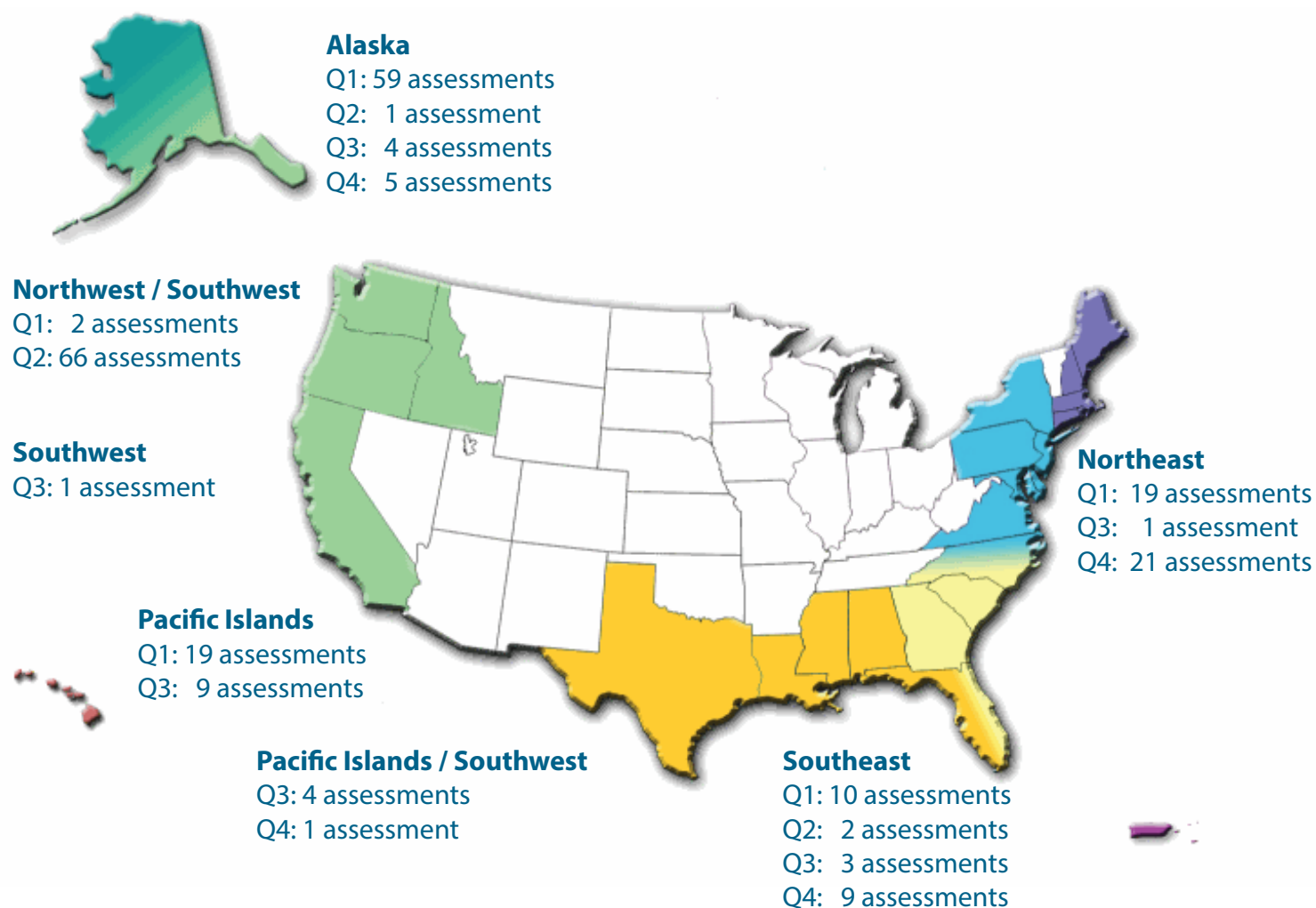
During FY2016 NOAA Fisheries plans to complete 104 assessments of FSSI stocks and 132 assessments of non-FSSI stocks. Many of these assessments will be completed during Q1 including assessment updates for Alaskan groundfish stocks, New England groundfish stocks and shrimp stocks in the South Atlantic and Gulf of Mexico. Benchmark assessments will be completed for Pacific coast black rockfish stocks, Pacific Island reef fish and Atlantic highly migratory stocks including blue shark and bigeye tuna.

The total number of assessments planned to be completed during FY2016 for FSSI and non-FSSI stocks is shown below. Detailed information for assessments completed in FY2015 and planned for FY2016 can be found in the supporting appendices of this report. Appendix A includes FY2015 completed assessments for FSSI stocks. Appendix B includes FY2015 completed assessments for non-FSSI stocks. Appendix C includes a list of all assessments planned for FY2016, including

both FSSI and non-FSSI stocks. Appendix D provides the assessment status of FSSI stocks. The information in these appendices represents the best available at the time of reporting and is subject to change.

NOAA Fisheries plans to complete 49 fishery-independent surveys during FY2016. While many surveys span multiple quarters, a majority of the planned surveys are scheduled for the second half of the fiscal year (April - September). The abundance and biological data collected during the year will go through extensive processing and analysis to become important inputs for future stock assessments.

For more information on assessment activities, including the assessment status for all FSSI stocks, please visit the NOAA Fisheries National Stock Assessment Enterprise website at <http://www.st.nmfs.noaa.gov/stock-assessment/reports>.



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 based on models of fish populations that require three primary categories of data inputs: catch, abundance, and biology. Data inputs must be accurate and timely to ensure the highest quality stock assessments and the best information are provided to resource managers. 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, to calculate a sustainable harvest rate, and to forecast the catch level 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 the new Stock Assessment Improvement Plan (draft expected by the end of FY16).

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 unasessed 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>

Appendix A. Assessment activity for stocks and stock complexes included on the FSSI by quarter for FY2015.

Completed Assessments for FSSI Stocks - FY2015 Quarter 1 (October - December, 2014)

Science Center(s)	Jurisdiction	Stock	Asmt Level ¹	Asmt Type	Adequate	Notes
AFSC	NPFMC	Alaska plaice - Bering Sea / Aleutian Islands	4	Full Update	Yes	
AFSC	NPFMC	Arrowtooth flounder - Gulf of Alaska	4	Partial Update	Yes	
AFSC	NPFMC	Arrowtooth flounder - Bering Sea / Aleutian Islands	5	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	Benchmark	Yes	
AFSC	NPFMC	Bering Sea / Aleutian Islands Flathead Sole Complex	5	Full Update	Yes	Assessment of indicator stock, flathead sole
AFSC	NPFMC	Bering Sea / Aleutian Islands Rock Sole Complex	4	Full Update	Yes	Assessment of indicator stock, Northern rock sole
AFSC	NPFMC	Bering Sea / Aleutian Islands Skate Complex	4	Full Update	Yes	Two assessments; Alaska skate and skate complex remainder, serve as indicators for stock complex
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	Dusky rockfish - Gulf of Alaska	4	Partial Update	Yes	
AFSC	NPFMC	Flathead sole - Gulf of Alaska	4	Partial 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	Partial Updates	Yes	Two assessments, Dover sole and complex remainder, serve as indicators for complex
AFSC	NPFMC	Gulf of Alaska Demersal Shelf Rockfish Complex	3	Full Update	Yes	Assessment of indicator stock, yelloweye rockfish

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Completed Assessments for FSSI Stocks - FY2015 Quarter 1 (Continued)

Science Center(s)	Jurisdiction	Stock	Asmt Level ¹	Asmt Type	Adequate	Notes
AFSC	NPFMC	Gulf of Alaska Shallow Water Flatfish Complex	4	Full Updates	Yes	Two assessments, Northern rock sole, and complex remainder, serve as indicator stocks
AFSC	NPFMC	Gulf of Alaska Thornyhead Rockfish Complex	3	Partial Update	Yes	Assessment of indicator stock, shortspine thornyhead
AFSC	NPFMC	Northern rockfish - Bering Sea / Aleutian Islands	4	Benchmark	Yes	
AFSC	NPFMC	Northern rockfish - Western / Central Gulf of Alaska	4	Partial Update	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	Benchmark	Yes	
AFSC	NPFMC	Pacific ocean perch - Gulf of Alaska	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	Rex sole - Gulf of Alaska	4	Partial Update	Yes	
AFSC	NPFMC	Sablefish - Eastern Bering Sea / Aleutian Islands / Gulf of Alaska	4	Full Update	Yes	
AFSC	NPFMC	Snow crab - Bering Sea	4	Full Update	Yes	
AFSC	NPFMC	Southern Tanner crab - Bering Sea	4	Full Update	Yes	
AFSC	NPFMC	Walleye pollock - Aleutian Islands	4	Benchmark	Yes	
AFSC	NPFMC	Walleye pollock - Eastern Bering Sea	4	Full Update	Yes	
AFSC	NPFMC	Walleye pollock - Western / Central Gulf of Alaska	4	Benchmark	Yes	
AFSC	NPFMC	Yellowfin sole - Bering Sea / Aleutian Islands	5	Full Update	Yes	
NEFSC	NEFMC	Atlantic cod - Gulf of Maine	4	Full Update	Yes	
NEFSC	NEFMC	Pollock - Gulf of Maine / Georges Bank	4	Full Update	Yes	
NEFSC	NEFMC	Winter flounder - Georges Bank	4	Full Update	Yes	
NEFSC	NEFMC	Winter flounder - Gulf of Maine	1	Full Update	No	
SEFSC	CFMC	Caribbean Groupers	1	Benchmark	No	Assessment of complex member species red hind

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Completed Assessments for FSSI Stocks - FY2015 Quarter 1 (Continued)

Science Center(s)	Jurisdiction	Stock	Asmt Level ¹	Asmt Type	Adequate	Notes
SEFSC	GMFMC	Hogfish - Eastern Gulf of Mexico	4	Benchmark	Yes	Led by State of Florida
SEFSC	SAFMC	Hogfish - Southeast Florida	4	Benchmark	Yes	Led by State of Florida; delayed from FY14

Completed Assessments for FSSI Stocks - FY2015 Quarter 2 (January - March, 2015)

Science Center(s)	Jurisdiction	Stock	Asmt Level ¹	Asmt Type	Adequate	Notes
AFSC	NPFMC	Red king crab - Norton Sound	4	Full Update	Yes	
NWFSC/ SWFSC	PFMC	Chinook salmon - California Central Valley: Sacramento River Fall	3	Full Update	Yes	
NWFSC/ SWFSC	PFMC	Chinook salmon - Northern California Coast: Klamath River Fall	3	Full Update	Yes	
PIFSC	WPFMC	Main Hawaiian Islands Deep 7 Bottomfish Multi-species Complex	-3	Benchmark	No	Peer review did not recommend use for management advice
SEFSC	GMFMC	Red snapper - Gulf of Mexico	4	Full Update	Yes	Delayed from Q1

Completed Assessments for FSSI Stocks - FY2015 Quarter 3 (April -June, 2015)

Science Center(s)	Jurisdiction	Stock	Asmt Level ¹	Asmt Type	Adequate	Notes
AFSC	NPFMC	Golden king crab - Aleutian Islands	1	Full Update	No	
NEFSC	NEFMC	Atlantic herring	5	Full Update	Yes	
NWFSC/ SWFSC	PFMC	Arrowtooth flounder - Pacific Coast	4	Partial Update	Yes	Planned as level 3 benchmark but SSC rejected new approach and remanded to partial update of previous asmt.
NWFSC/ SWFSC	PFMC	Canary rockfish-Pacific Coast	4	Benchmark	Yes	
NWFSC/ SWFSC	PFMC	Chilipepper - S. Pacific Coast	4	Full Update	Yes	
NWFSC / SWFSC	PFMC	Darkblotched rockfish - Pacific Coast	4	Benchmark	Yes	
NWFSC / SWFSC	PFMC	Petrale sole - Pacific Coast	4	Full Update	Yes	
NWFSC / SWFSC	PFMC	Sablefish - Pacific Coast	4	Full Update	Yes	
SEFSC	SAFMC / GMFMC	Mutton snapper - Southern Atlantic Coast / Gulf of Mexico	4	Full Update	Yes	Led by state of Florida
SWFSC	PFMC	Pacific sardine - Pacific Coast	5	Full Update	Yes	
SWFSC	PFMC	Pacific chub mackerel	4	Benchmark	Yes	

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Completed Assessments for FSSI Stocks - FY2015 Quarter 4 (July - September, 2015)

Science Center(s)	Jurisdiction	Stock	Asmt Level ¹	Asmt Type	Adequate?	Notes
NEFSC	MAFMC	Atlantic mackerel - Gulf of Maine / Cape Hatteras	4	Indicator Analysis	No	Previous asmt not adequate
NEFSC	MAFMC	Atlantic surfclam - Mid-Atlantic Coast	4	Indicator Analysis	Yes	Previous asmt still adequate
NEFSC	MAFMC	Black sea bass - Mid-Atlantic Coast	4	Indicator Analysis	Yes	Previous asmt still adequate
NEFSC	MAFMC	Bluefish - Atlantic Coast	4	Benchmark	Yes	
NEFSC	MAFMC	Butterfish - Gulf of Maine / Cape Hatteras	5	Indicator Analysis	Yes	Previous asmt still adequate
NEFSC	MAFMC	Longfin inshore squid - Georges Bank / Cape Hatteras	1	Indicator Analysis	No	
NEFSC	MAFMC	Northern shortfin squid - Northwestern Atlantic Coast	2	Indicator Analysis	No	
NEFSC	MAFMC	Scup - Atlantic Coast	4	Benchmark	Yes	
NEFSC	MAFMC	Summer flounder - Mid-Atlantic Coast	4	Full Update	Yes	
NEFSC	MAFMC	Tilefish - Mid-Atlantic Coast	4	Indicator Analysis	Yes	Previous asmt still adequate
NEFSC	NEFMC	Atlantic cod - Eastern Georges Bank	4	Full update	Yes	Not previously included on schedule
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	Full update	Yes	Not previously included on schedule
NEFSC	NEFMC	Little skate - Georges Bank / Southern New England	1	Full Update	No	
NEFSC	NEFMC	Red hake - Gulf of Maine / Northern Georges Bank	1	Full update	No	Not previously included on schedule
NEFSC	NEFMC	Red hake - Southern Georges Bank / Mid-Atlantic	1	Full update	No	Not previously included on schedule
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	not previously included on schedule

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Completed Assessments for FSSI Stocks - FY2015 Quarter 4 (Continued)

Science Center(s)	Jurisdiction	Stock	Asmt Level ¹	Asmt Type	Adequate?	Notes
NEFSC	NEFMC / MAFMC	Spiny dogfish - Atlantic Coast	4	Full Update	Yes	
NWFSC/ SWFSC	PFMC	Bocaccio - Southern Pacific Coast	4	Benchmark	Yes	
NWFSC/ SWFSC	PFMC	Kelp greenling - Oregon	4	Benchmark	Yes	
NWFSC/ SWFSC	PFMC	Widow rockfish - Pacific Coast	4	Benchmark	Yes	
PIFSC	WPFMC	American Samoa Bottomfish Multi-species Complex	3	Full Update	Yes	
PIFSC	WPFMC	Guam Bottomfish Multi-species Complex	3	Full Update	Yes	
PIFSC	WPFMC	Northern Mariana Islands Bottomfish Multi-species Complex	3	Full Update	Yes	
SEFSC	GMFMC	Gray triggerfish - Gulf of Mexico	4	Benchmark	Yes	

Footnotes

¹Level 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 FY2015.

Completed Assessments for Non-FSSI Stocks - FY2015 Quarter 1 (October - December, 2014)

Science Center(s)	Jurisdiction	Stock	Asmt Level ¹	Asmt Type	Notes on Assessment
AFSC	NPFMC	Atka mackerel - Gulf of Alaska	1	Partial Update	
AFSC	NPFMC	Bering Sea / Aleutian Islands Other Flatfish Complex	3	Benchmark	
AFSC	NPFMC	Bering Sea / Aleutian Islands Other Rockfish Complex	3	Benchmark	
AFSC	NPFMC	Bering Sea / Aleutian Islands Other Skates Complex	3	Benchmark	Remainder of Bering Sea / Aleutian Islands Skate Complex
AFSC	NPFMC	Bering Sea / Aleutian Islands Sculpin Complex	3	Benchmark	
AFSC	NPFMC	Bering Sea / Aleutian Islands Shark Complex	1	Full Update	
AFSC	NPFMC	Bering Sea / Aleutian Islands Squid Complex	1	Benchmark	
AFSC	NPFMC	Giant octopus - Bering Sea / Aleutian Islands	1	Full Update	Indicator stock for Bering Sea / Aleutian Islands Octopus Complex
AFSC	NPFMC	Giant octopus - Gulf of Alaska	1	Full Update	Indicator stock for Gulf of Alaska Octopus Complex
AFSC	NPFMC	Gulf of Alaska Other Deepwater Flatfish Complex	1	Partial Update	Remainder of Gulf of Alaska Deepwater Flatfish Complex
AFSC	NPFMC	Gulf of Alaska Other Rockfish Complex	2	Partial Update	
AFSC	NPFMC	Gulf of Alaska Other Shallow Water Flatfish Complex	3	Partial Update	Remainder of Gulf of Alaska Shallow Water Flatfish Complex
AFSC	NPFMC	Gulf of Alaska Sculpin Complex	3	Partial Update	
AFSC	NPFMC	Gulf of Alaska Shark Complex	1	Partial Update	
AFSC	NPFMC	Gulf of Alaska Skate Complex	3	Benchmark	
AFSC	NPFMC	Gulf of Alaska Squid Complex	1	Partial Update	
AFSC	NPFMC	Kamchatka flounder - Bering Sea / Aleutian Islands	4	Full Update	
AFSC	NPFMC	Pacific cod - Aleutian Islands	3	Full Update	
AFSC	NPFMC	Rock sole - Gulf of Alaska	4	Full Update	Indicator (along with Northern rock sole) for Gulf of Alaska Shallow Water Flatfish Complex
AFSC	NPFMC	Shortraker rockfish - Bering Sea / Aleutian Islands	3	Benchmark	
AFSC	NPFMC	Shortraker rockfish - Gulf of Alaska	3	Partial Update	
AFSC	NPFMC	Walleye pollock - Bogoslof	3	Full Update	
AFSC	NPFMC	Walleye pollock - Southeast Gulf of Alaska	3	Partial Update	
SEFSC	HMS	Bluefin tuna - Western Atlantic	4	Full Update	ICCAT assessment
SEFSC	HMS	Skipjack tuna - Western Atlantic	3	Benchmark	ICCAT assessment
SEFSC	SAFMC	Hogfish - Carolinas	-4	Benchmark	Data insufficient for assessment

National Marine Fisheries Service

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Completed Assessments for Non-FSSI Stocks - FY2015 Quarter 2 (January - March, 2015)

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

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Completed Assessments for Non-FSSI Stocks - FY2015 Quarter 2 (Continued)

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

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Completed Assessments for Non-FSSI Stocks - FY2015 Quarter 2 (Continued)

Science Center(s)	Jurisdiction	Stock	Asmt Level ¹	Asmt Type	Notes on Assessment
NWFSC/ SWFSC	PPMC	Coho salmon - Washington Coast: Grays Harbor	5	Full Update	
NWFSC/ SWFSC	PPMC	Coho salmon - Washington Coast: Hoh	5	Full Update	
NWFSC/ SWFSC	PPMC	Coho salmon - Washington Coast: Queets	5	Full Update	
NWFSC/ SWFSC	PPMC	Coho salmon - Washington Coast: Quillayute (fall)	4	Full Update	
NWFSC/ SWFSC	PPMC	Coho salmon - Washington Coast: Quillayute (summer)	4	Full Update	
NWFSC/ SWFSC	PPMC	Coho salmon - Washington Coast: Quinault	1	Full Update	
NWFSC/ SWFSC	PPMC	Coho salmon - Washington Coast: Strait of Juan de Fuca	5	Full Update	
NWFSC/ SWFSC	PPMC	Coho salmon - Washington Coast: Willapa Bay	5	Full Update	
NWFSC/ SWFSC	PPMC	Coho salmon - Washington Coast: Willapa Bay (natural)	5	Benchmark	
NWFSC/ SWFSC	PPMC	Pink salmon - Puget Sound (odd-numbered years)	1	Full Update	
SEFSC	HMS	Smoothhounds (Mustelus spp.) - Atlantic	4	New	
SEFSC	HMS	Smoothhounds (Mustelus spp.) - Gulf of Mexico	3	New	

Completed Assessments for Non-FSSI Stocks - FY2015 Quarter 3 (April - June, 2015)

Science Center(s)	Jurisdiction	Stock	Asmt Level ¹	Asmt Type	Notes on Assessment
AFSC	NPFMC	Golden king crab - Pribilof Islands	1	Annual update	
AFSC	NPFMC	Red king crab - Western Aleutian Islands	1	Annual update	
AFSC	NPFMC	Weathervane scallop - Alaska	1	Annual update	
SWFSC/ PIFSC	PPMC / WPPMC	Bigeye tuna - Eastern Pacific	4	Update	
SWFSC/ PIFSC	PPMC / WPPMC	Skipjack tuna - Eastern Pacific	1	Update	Conducted with IATTC
SWFSC/ PIFSC	PPMC / WPPMC	Yellowfin tuna - Eastern Pacific	4	Update	Conducted with IATTC

Completed Assessments for Non-FSSI Stocks - FY2015 Quarter 4 (July - September, 2015)

Science Center(s)	Jurisdiction	Stock	Asmt Level ¹	Asmt Type	Notes on Assessment
AFSC	NPFMC	Chinook salmon - Eastern North Pacific Far North Migrating	4	Annual update	
AFSC	NPFMC	Coho salmon - Auke Creek	4	Annual update	One of four coho indicator stocks for the Alaska Coho Salmon Assemblage
AFSC	NPFMC	Coho salmon - Berners River	4	Annual update	One of four coho indicator stocks for the Alaska Coho Salmon Assemblage

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Completed Assessments for Non-FSSI Stocks - FY2015 Quarter 4 (Continued)

Science Center(s)	Jurisdiction	Stock	Asmt Level ¹	Asmt Type	Notes on Assessment
AFSC	NPFMC	Coho salmon - Ford Arm Lake	4	Annual update	One of four coho indicator stocks for the Alaska Coho Salmon Assemblage
AFSC	NPFMC	Coho salmon - Hugh Smith Lake	4	Annual update	One of four coho indicator stocks for the Alaska Coho Salmon Assemblage
NWFSC/ SWFSC	PFMC	China rockfish - Pacific Coast	4	Benchmark	
SWFSC/ PIFSC	PFMC / WPFMC	Shortfin mako - North Pacific	2	New Asmt	Indicator analysis conducted with ISC
SWFSC/ PIFSC	PFMC / WPFMC	Striped marlin - Western and Central Pacific	4	Full Update	Conducted with IATTC/ completed 2015.

Footnotes

¹Level 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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Appendix C. Planned assessments for FSSI and Non-FSSI stocks in FY2016 by quarter. Information is best available provided by NOAA Fisheries Science Centers and subject to change.

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

Science Center(s)	Jurisdiction	FSSI / Non-FSSI ¹	Stock	Planned Asmt Level ²	Planned Asmt Type	Notes
AFSC	NPFMC	FSSI	Alaska plaice - Bering Sea / Aleutian Islands	4	Partial Update	
AFSC	NPFMC	FSSI	Arrowtooth flounder - Bering Sea / Aleutian Islands	5	Partial Update	
AFSC	NPFMC	FSSI	Arrowtooth flounder - Gulf of Alaska	4	Full Update	
AFSC	NPFMC	FSSI	Atka mackerel - Bering Sea / Aleutian Islands	4	Full Update	
AFSC	NPFMC	FSSI	Bering Sea / Aleutian Islands Blackspotted and Rougheye Rockfish Complex	4	Partial Update	
AFSC	NPFMC	FSSI	Flathead sole - Bering Sea / Aleutian Islands	5	Partial Update	
AFSC	NPFMC	FSSI	Northern rock sole - Bering Sea / Aleutian Islands	4	Full Update	
AFSC	NPFMC	FSSI	Alaska skate - Bering Sea / Aleutian Islands	4	Partial Update	
AFSC	NPFMC	FSSI	Bering Sea / Aleutian Islands Other Skates Complex	4	Partial 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	Full Update	
AFSC	NPFMC	FSSI	Flathead sole - Gulf of Alaska	4	Full 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	Full Update	
AFSC	NPFMC	FSSI	Dover sole - Gulf of Alaska	4	Full Update	
AFSC	NPFMC	FSSI	Gulf of Alaska Other Deepwater Flatfish Complex	4	Full Update	
AFSC	NPFMC	FSSI	Yelloweye rockfish - Gulf of Alaska	3	Full Update	
AFSC	NPFMC	FSSI	Northern rock sole - Gulf of Alaska	4	Full Update	
AFSC	NPFMC	FSSI	Gulf of Alaska Other Shallow Water Flatfish Complex	4	Full Update	
AFSC	NPFMC	FSSI	Shortspine thornyhead - Gulf of Alaska	3	Full Update	
AFSC	NPFMC	FSSI	Northern rockfish - Bering Sea / Aleutian Islands	4	Partial Update	
AFSC	NPFMC	FSSI	Northern rockfish - Western / Central Gulf of Alaska	4	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	Partial Update	
AFSC	NPFMC	FSSI	Pacific ocean perch - Gulf of Alaska	4	Full Update	
AFSC	NPFMC	FSSI	Red king crab - Bristol Bay	4	Full Update	

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2016 Quarter 1 (Continued)

Science Center(s)	Jurisdiction	FSSI / Non-FSSI ¹	Stock	Planned Asmt Level ²	Planned Asmt Type	Notes
AFSC	NPFMC	FSSI	Red king crab - Pribilof Islands	1	Full Update	
AFSC	NPFMC	FSSI	Rex sole - Gulf of Alaska	4	Full Update	
AFSC	NPFMC	FSSI	Sablefish - Eastern Bering Sea / Aleutian Islands / Gulf of Alaska	4	Full Update	
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	FSSI	Walleye pollock - Eastern Bering Sea	4	Full 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	
AFSC	NPFMC	Non-FSSI	Atka mackerel - Gulf of Alaska	1	Full Update	
AFSC	NPFMC	Non-FSSI	Giant octopus - Bering Sea / Aleutian Islands	1	Partial Update	
AFSC	NPFMC	Non-FSSI	Bering Sea / Aleutian Islands Other Flatfish Complex	3	Partial Update	
AFSC	NPFMC	Non-FSSI	Bering Sea / Aleutian Islands Other Rockfish Complex	3	Partial Update	
AFSC	NPFMC	Non-FSSI	Bering Sea / Aleutian Islands Sculpin Complex	3	Partial Update	
AFSC	NPFMC	Non-FSSI	Bering Sea / Aleutian Islands Shark Complex	1	Partial Update	
AFSC	NPFMC	Non-FSSI	Bering Sea / Aleutian Islands Squid Complex	1	Partial Update	
AFSC	NPFMC	Non-FSSI	Giant octopus - Gulf of Alaska	1	Full Update	
AFSC	NPFMC	Non-FSSI	Gulf of Alaska Other Rockfish Complex	3	Full Update	
AFSC	NPFMC	Non-FSSI	Gulf of Alaska Sculpin Complex	3	Full Update	
AFSC	NPFMC	Non-FSSI	Rock sole - Gulf of Alaska	4	Full Update	
AFSC	NPFMC	Non-FSSI	Gulf of Alaska Shark Complex	1	Full Update	
AFSC	NPFMC	Non-FSSI	Gulf of Alaska Skate Complex	3	Full Update	
AFSC	NPFMC	Non-FSSI	Big skate - Gulf of Alaska	3	Full Update	
AFSC	NPFMC	Non-FSSI	Gulf of Alaska Squid Complex	1	Full Update	
AFSC	NPFMC	Non-FSSI	Kamchatka flounder - Bering Sea / Aleutian Islands	4	Partial Update	
AFSC	NPFMC	Non-FSSI	Longnose skate - Gulf of Alaska	3	Full Update	
AFSC	NPFMC	Non-FSSI	Pacific cod - Aleutian Islands	3	Full Update	
AFSC	NPFMC	Non-FSSI	Shortraker rockfish - Bering Sea / Aleutian Islands	3	Partial Update	
AFSC	NPFMC	Non-FSSI	Shortraker rockfish - Gulf of Alaska	3	Full Update	
AFSC	NPFMC	Non-FSSI	Walleye pollock - Bogoslof	3	Full Update	
AFSC	NPFMC	Non-FSSI	Walleye pollock - Southeast Gulf of Alaska	3	Full Update	
NEFSC	NEFMC	FSSI	Acadian redfish - Gulf of Maine / Georges Bank	4	Full Update	
NEFSC	NEFMC	FSSI	American plaice - Gulf of Maine / Georges Bank	4	Full Update	
NEFSC	NEFMC	FSSI	Atlantic cod - Georges Bank	4	Full Update	
NEFSC	NEFMC	FSSI	Atlantic cod - Gulf of Maine	4	Full Update	

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2016 Quarter 1 (Continued)

Science Center(s)	Jurisdiction	FSSI / Non-FSSI ¹	Stock	Planned Asmt Level ²	Planned Asmt Type	Notes
NEFSC	NEFMC	FSSI	Atlantic halibut - Northwestern Atlantic Coast	3	Full Update	
NEFSC	NEFMC	FSSI	Atlantic wolffish - Gulf of Maine / Georges Bank	4	Full Update	
NEFSC	NEFMC	FSSI	Haddock - Georges Bank	4	Full Update	
NEFSC	NEFMC	FSSI	Haddock - Gulf of Maine	4	Full Update	
NEFSC	NEFMC	FSSI	Ocean pout - Northwestern Atlantic Coast	1	Full Update	
NEFSC	NEFMC	FSSI	Pollock - Gulf of Maine / Georges Bank	4	Full Update	
NEFSC	NEFMC	FSSI	White hake - Gulf of Maine / Georges Bank	4	Full Update	
NEFSC	NEFMC	FSSI	Windowpane - Gulf of Maine / Georges Bank	1	Full Update	
NEFSC	NEFMC	FSSI	Windowpane - Southern New England / Mid-Atlantic	1	Full Update	
NEFSC	NEFMC	FSSI	Winter flounder - Georges Bank	4	Full Update	
NEFSC	NEFMC	FSSI	Winter flounder - Gulf of Maine	1	Full Update	
NEFSC	NEFMC	FSSI	Winter flounder - Southern New England / Mid-Atlantic	4	Full Update	
NEFSC	NEFMC	FSSI	Witch flounder - Northwestern Atlantic Coast	4	Full Update	
NEFSC	NEFMC	FSSI	Yellowtail flounder - Cape Cod / Gulf of Maine	4	Full Update	
NEFSC	NEFMC	FSSI	Yellowtail flounder - Southern New England / Mid-Atlantic	4	Full Update	
NWFSC/ SWFSC	PPMC	FSSI	Black rockfish - Northern Pacific Coast	4	Benchmark	Delayed from FY15Q4
NWFSC/ SWFSC	PPMC	FSSI	Black rockfish - Southern Pacific Coast	4	Benchmark	Delayed from FY15Q4
PIFSC	WPPMC	Non-FSSI	Acanthurus blochii (Ringtail surgeonfish)	2	New	
PIFSC	WPPMC	Non-FSSI	Acanthurus dussumieri (Eyestripe surgeonfish)	2	New	
PIFSC	WPPMC	Non-FSSI	Aprion virescens: Green jobfish (Blue-gray snapper)- Main Hawaiian Islands	2	New	
PIFSC	WPPMC	Non-FSSI	Caranx ignobilis - Main Hawaiian Islands Jack	2	New	
PIFSC	WPPMC	Non-FSSI	Caranx melampygus - Main Hawaiian Islands Jack	2	New	
PIFSC	WPPMC	Non-FSSI	Cephalopholis argus - Peacock hind - Main Hawaiian Islands	2	New	
PIFSC	WPPMC	Non-FSSI	Chlorurus spilurus	2	New	
PIFSC	WPPMC	Non-FSSI	Lutjanus kasmira	2	New	
PIFSC	WPPMC	Non-FSSI	Mulloidichthys flavolineatus	2	New	
PIFSC	WPPMC	Non-FSSI	Mulloidichthys vanicolensis - Main Hawaiian Islands	2	New	
PIFSC	WPPMC	Non-FSSI	Myripristis berndt	2	New	
PIFSC	WPPMC	Non-FSSI	Naso brevirostris	2	New	
PIFSC	WPPMC	Non-FSSI	Naso hexacanthus	2	New	
PIFSC	WPPMC	Non-FSSI	Naso lituratus	2	New	
PIFSC	WPPMC	Non-FSSI	Naso unicornis	2	New	

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2016 Quarter 1 (Continued)

Science Center(s)	Jurisdiction	FSSI / Non-FSSI ¹	Stock	Planned Asmt Level ²	Planned Asmt Type	Notes
PIFSC	WPFMC	Non-FSSI	Parupeneus porphyreus -Main Hawaiian Islands	2	New	
PIFSC	WPFMC	Non-FSSI	Scarus psittacus	2	New	
PIFSC	WPFMC	Non-FSSI	Scarus rubroviolaceus	2	New	
PIFSC	WPFMC	Non-FSSI	Seriola dumerili	2	New	
SEFSC	SAFMC	FSSI	Brown rock shrimp - Southern Atlantic Coast	1	Full Update	Delayed from FY15Q4
SEFSC	SAFMC	FSSI	Brown shrimp - Southern Atlantic Coast	1	Full Update	Delayed from FY15Q4
SEFSC	SAFMC	FSSI	Pink shrimp - Southern Atlantic Coast	1	Full Update	Delayed from FY15Q4
SEFSC	SAFMC	FSSI	White shrimp - Southern Atlantic Coast	1	Full Update	Delayed from FY15Q4
SEFSC	GMFMC	FSSI	Brown shrimp - Gulf of Mexico	4	Full Update	Delayed from FY15Q4
SEFSC	GMFMC	FSSI	Pink shrimp - Gulf of Mexico	4	Full Update	Delayed from FY15Q4
SEFSC	GMFMC	FSSI	Royal red shrimp - Gulf of Mexico	1	Full Update	Delayed from FY15Q4
SEFSC	GMFMC	FSSI	White shrimp - Gulf of Mexico	4	Full Update	Delayed from FY15Q4
SEFSC	HMS	FSSI	Blue shark - North Atlantic	4	Benchmark	Delayed from FY15Q4
SEFSC	HMS	INT	Bigeye tuna - Atlantic	3	Benchmark	Conducted with ICCAT

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

Science Center(s)	Jurisdiction	FSSI / Non-FSSI ¹	Stock	Planned Asmt Level ²	Planned Asmt Type	Notes
AFSC	NPFMC	FSSI	Red king crab - Norton Sound	4	Full Update	
NW/SW	PPMC	FSSI	Chinook salmon - California Central Valley: Sacramento (fall)	3	Update	
NW/SW	PPMC	FSSI	Chinook salmon - Northern California Coast: Klamath (fall)	4	Update	
NW/SW	PPMC	Non-FSSI	Chinook salmon - California Central Valley: Sacramento (spring)	1	Update	
NW/SW	PPMC	Non-FSSI	Chinook salmon - California Central Valley: Sacramento (winter)	4	Update	
NW/SW	PPMC	Non-FSSI	Chinook salmon - Columbia River Basin: Lower River Hatchery (fall)	4	Update	
NW/SW	PPMC	Non-FSSI	Chinook salmon - Columbia River Basin: Lower River Hatchery (spring)	4	Update	
NW/SW	PPMC	Non-FSSI	Chinook salmon - Columbia River Basin: Mid-River Bright Hatchery (fall)	4	Update	
NW/SW	PPMC	Non-FSSI	Chinook salmon - Columbia River Basin: North Lewis (fall)	4	Update	
NW/SW	PPMC	Non-FSSI	Chinook salmon - Columbia River Basin: Snake (fall)	4	Update	
NW/SW	PPMC	Non-FSSI	Chinook salmon - Columbia River Basin: Snake (spring/summer)	4	Update	

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2016 Quarter 2 (Continued)

Science Center(s)	Jurisdiction	FSSI / Non-FSSI ¹	Stock	Planned Asmt Level ²	Planned Asmt Type	Notes
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) (<i>California Coastal</i>)	1	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	
NW/SW	PFMC	Non-FSSI	Chinook salmon - Puget Sound: Skagit (summer/fall)	5	Update	
NW/SW	PFMC	Non-FSSI	Chinook salmon - Puget Sound: Skokomish (summer/fall)	1	Update	
NW/SW	PFMC	Non-FSSI	Chinook salmon - Puget Sound: Snohomish (summer/fall)	5	Update	
NW/SW	PFMC	Non-FSSI	Chinook salmon - Puget Sound: Stillaguamish (summer/fall)	5	Update	
NW/SW	PFMC	Non-FSSI	Chinook salmon - Puget Sound: White River (spring)	3	Update	
NW/SW	PFMC	INT	Chinook salmon - Washington Coast: Grays Harbor (fall)	1	Update	
NW/SW	PFMC	INT	Chinook salmon - Washington Coast: Grays Harbor (spring)	1	Update	
NW/SW	PFMC	INT	Chinook salmon - Washington Coast: Hoh (fall)	1	Update	
NW/SW	PFMC	INT	Chinook salmon - Washington Coast: Hoh (spring/summer)	1	Update	
NW/SW	PFMC	INT	Chinook salmon - Washington Coast: Hoko (summer/fall)	4	Update	

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2016 Quarter 2 (Continued)

Science Center(s)	Jurisdiction	FSSI / Non-FSSI ¹	Stock	Planned Asmt Level ²	Planned Asmt Type	Notes
NW/SW	PFMC	INT	Chinook salmon - Washington Coast: Queets (fall)	5	Update	
NW/SW	PFMC	INT	Chinook salmon - Washington Coast: Queets (spring/summer)	2	Update	
NW/SW	PFMC	INT	Chinook salmon - Washington Coast: Quillayute (fall)	2	Update	
NW/SW	PFMC	INT	Chinook salmon - Washington Coast: Quillayute (spring/summer)	1	Update	
NW/SW	PFMC	Non-FSSI	Chinook salmon - Washington Coast: Quinault Fall (hatchery)	4	Update	
NW/SW	PFMC	Non-FSSI	Chinook salmon - Washington Coast: Willapa Bay Fall (hatchery)	4	Update	
NW/SW	PFMC	INT	Chinook salmon - Washington Coast: Willapa Bay Fall (natural)	4	Update	
NW/SW	PFMC	Non-FSSI	Coho salmon - Oregon Production Index Area: Central California Coast	1	Update	
NW/SW	PFMC	Non-FSSI	Coho salmon - Oregon Production Index Area: Columbia (early hatchery)	4	Update	
NW/SW	PFMC	Non-FSSI	Coho salmon - Oregon Production Index Area: Columbia (late hatchery)	4	Update	
NW/SW	PFMC	Non-FSSI	Coho salmon - Oregon Production Index Area: Columbia (natural)	4	Update	
NW/SW	PFMC	Non-FSSI	Coho salmon - Oregon Production Index Area: Northern California	1	Update	
NW/SW	PFMC	Non-FSSI	Coho salmon - Oregon Production Index Area: Oregon Coastal (hatchery)	1	Update	
NW/SW	PFMC	Non-FSSI	Coho salmon - Oregon Production Index Area: Oregon Coastal (natural)	5	Update	
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	

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2016 Quarter 2 (Continued)

Science Center(s)	Jurisdiction	FSSI / Non-FSSI ¹	Stock	Planned Asmt Level ²	Planned Asmt Type	Notes
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	
NW/SW	PFMC	INT	Pacific hake - Pacific Coast	4	Benchmark	Conducted through Joint U.S. Canadian P. Whiting Agreement
SEFSC	GMFMC	FSSI	Red grouper - Gulf of Mexico	4	Benchmark	
SEFSC	GMFMC	FSSI	Vermilion snapper - Gulf of Mexico	4	Full Update	

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

Science Center(s)	Jurisdiction	FSSI / Non-FSSI ¹	Stock	Planned Asmt Level ²	Planned Asmt Type	Notes
AFSC	NPFMC	FSSI	Golden king crab - Aleutian Islands	1	Full Update	Asmt conducted annually
AFSC	NPFMC	Non-FSSI	Golden king crab - Pribilof Islands	1	Full Update	Asmt conducted annually
AFSC	NPFMC	Non-FSSI	Red king crab - Western Aleutian Islands	1	Full Update	Asmt conducted annually
AFSC	NPFMC	Non-FSSI	Weathervane scallop - Alaska	1	Full Update	
NEFSC	NEFMC	Non-FSSI	Atlantic salmon - Gulf of Maine	3	Full Update	Asmt conducted through ICES and AS committee
SEFSC	SAFMC	FSSI	Gray triggerfish - Southern Atlantic Coast	TBD	Benchmark	Delayed from FY2015
SEFSC	SAFMC	FSSI	Red snapper - Southern Atlantic Coast	TBD	Benchmark	Delayed from FY2015
SEFSC	SAFMC	FSSI	Tilefish - Southern Atlantic Coast	TBD	Full Update	
SEFSC	SAFMC / GMFMC	Non-FSSI	Goliath grouper - Southern Atlantic Coast / Gulf of Mexico	3	Benchmark	Asmt led by FI
SW/PI	PFMC / WPFMC	INT	Bigeye tuna - Eastern Pacific	4	Benchmark	IATTC asmt
SW/PI	PFMC / WPFMC	INT	Skipjack tuna - Eastern Pacific	1	Indicator Analysis	IATTC asmt
SW/PI	PFMC / WPFMC	INT	Striped marlin - Eastern Pacific	4	TBD	IATTC is lead
SW/PI	PFMC / WPFMC	INT	Yellowfin tuna - Eastern Pacific	4	Benchmark	IATTC asmt
SWFSC	PFMC	FSSI	Pacific sardine - Pacific Coast	5	Full Update	

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

Science Center(s)	Jurisdiction	FSSI / Non-FSSI ¹	Stock	Planned Asmt Level ²	Planned Asmt Type	Notes
AFSC	NPFMC	Non-FSSI	Chinook salmon - Eastern North Pacific Far North Migrating	4	Full Update	
AFSC	NPFMC	Non-FSSI	Coho salmon - Auke Creek	4	Full Update	

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2016 Quarter 4 (Continued)

Science Center(s)	Jurisdiction	FSSI / Non-FSSI ¹	Stock	Planned Asmt Level ²	Planned Asmt Type	Notes
AFSC	NPFMC	Non-FSSI	Coho salmon - Berners River	4	Full Update	
AFSC	NPFMC	Non-FSSI	Coho salmon - Ford Arm Lake	4	Full Update	
AFSC	NPFMC	Non-FSSI	Coho salmon - Hugh Smith Lake	4	Full Update	
NEFSC	MAFMC	FSSI	Atlantic surfclam - Mid-Atlantic Coast	4	Benchmark	
NEFSC	MAFMC	FSSI	Butterfish - Gulf of Maine / Cape Hatteras	5	Indicator analysis	
NEFSC	MAFMC	FSSI	Longfin inshore squid - Georges Bank / Cape Hatteras	1	Indicator analysis	
NEFSC	MAFMC	FSSI	Northern shortfin squid - Northwestern Atlantic Coast	2	Indicator analysis	
NEFSC	MAFMC	FSSI	Scup - Atlantic Coast	4	Indicator analysis	
NEFSC	MAFMC	FSSI	Summer flounder - Mid-Atlantic Coast	4	Full Update	
NEFSC	MAFMC	FSSI	Tilefish - Mid-Atlantic Coast	4	Indicator analysis	
NEFSC	NEFMC	FSSI	Atlantic cod - Eastern Georges Bank	4	Full Update	Reviewed through the TRAC process
NEFSC	NEFMC	FSSI	Barndoor skate - Georges Bank / Southern New England	1	Full Update	
NEFSC	NEFMC	FSSI	Clearnose skate - Southern New England / Mid-Atlantic	1	Full Update	
NEFSC	NEFMC	FSSI	Haddock - Eastern Georges Bank	4	Partial Update	Reviewed through the TRAC process
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	4	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	
NEFSC	NEFMC	FSSI	Yellowtail flounder - Georges Bank	0	Indicator Analysis	Reviewed through the TRAC process
NEFSC	NEFMC / MAFMC	FSSI	Goosefish - Gulf of Maine / Northern Georges Bank	4	Benchmark	Asmt is contingent on research progress
NEFSC	NEFMC / MAFMC	FSSI	Goosefish - Southern Georges Bank / Mid-Atlantic	4	Benchmark	Asmt is contingent on research progress
NEFSC	NEFMC / MAFMC	FSSI	Spiny dogfish - Atlantic Coast	4	Full Update	
PIFSC	WPFMC	INT	Blue marlin - Pacific	4	Full Update	ISC is lead for asmt.
PIFSC	WPFMC	Non-FSSI	Caranx orthogrammus	2	New	
PIFSC	WPFMC	Non-FSSI	Lutjanus fulvus	2	New	

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Planned Assessments for FSSI and Non-FSSI Stocks - FY2016 Quarter 4 (Continued)

Science Center(s)	Jurisdiction	FSSI / Non-FSSI ¹	Stock	Planned Asmt Level ²	Planned Asmt Type	Notes
PIFSC	WPFMC	Non-FSSI	Monotaxis grandoculis	2	New	
PIFSC	WPFMC	Non-FSSI	Mulloidichthys pflugeri - Main Hawaiian Islands	2	New	
PIFSC	WPFMC	Non-FSSI	Parupeneus cyclostomus -Main Hawaiian Islands	2	New	
PIFSC	WPFMC	Non-FSSI	Parupeneus insularis	2	New	
PIFSC	WPFMC	Non-FSSI	Stock to be determined	2	New	
PIFSC	WPFMC	Non-FSSI	Scomberoides lysan- Doublespotted queenfish	2	New	
SEFSC	CFMC	FSSI	Caribbean spiny lobster - Caribbean	2	Benchmark	
SEFSC	CFMC	FSSI	Caribbean spiny lobster - Caribbean	2	Benchmark	
SEFSC	CFMC	FSSI	Caribbean spiny lobster - Caribbean	2	Benchmark	
SEFSC	CFMC	FSSI	Queen conch - Caribbean	2	Benchmark	
SEFSC	CFMC	Non-FSSI	Caribbean Grunts Complex - St. Croix	2	New	
SEFSC	CFMC	Non-FSSI	Caribbean Grunts Complex - St. Thomas/St. John	2	New	
SEFSC	CFMC	Non-FSSI	Caribbean Grunts Complex -Puerto Rico	2	New	
SEFSC	HMS	FSSI	Dusky shark - Atlantic and Gulf of Mexico	4	Full Update	
SEFSC	HMS	FSSI	Shortfin mako - North Atlantic	4	Benchmark	Asmt conducted through ICCAT
SW/PI	PfMC / WPFMC	INT	Pacific bluefin tuna - Pacific	4	Benchmark	ISC asmt

Footnotes

¹ 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.

²Level 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 FY2015. 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)	Jurisdiction	Stock	Last Assessment			Assessment Notes
			Year	Level ¹	Adequate?	
AFSC	NPFMC	Alaska plaice - Bering Sea / Aleutian Islands	2014	4	Yes	
AFSC	NPFMC	Arrowtooth flounder - Bering Sea / Aleutian Islands	2014	5	Yes	
AFSC	NPFMC	Arrowtooth flounder - Gulf of Alaska	2014	4	Yes	
AFSC	NPFMC	Atka mackerel - Bering Sea / Aleutian Islands	2014	4	Yes	
AFSC	NPFMC	Bering Sea / Aleutian Islands Blackspotted and Rougheye Rockfish Complex	2014	4	Yes	
AFSC	NPFMC	Bering Sea / Aleutian Islands Flathead Sole Complex	2014	5	Yes	The assessment is for the Flathead Sole Complex indicator stock, flathead sole.
AFSC	NPFMC	Bering Sea / Aleutian Islands Rock Sole Complex	2014	4	Yes	The assessment listed is for the Rock Sole Complex indicator stock, Northern rock sole.
AFSC	NPFMC	Bering Sea / Aleutian Islands Skate Complex	2014	4	Yes	The assessment is for the Bering Sea / Aleutian Islands Skate Complex indicator stock, Alaska skate.
AFSC	NPFMC	Blue king crab - Pribilof Islands	2014	1	No	
AFSC	NPFMC	Blue king crab - Saint Matthew Island	2014	4	Yes	
AFSC	NPFMC	Dusky rockfish - Gulf of Alaska	2014	4	Yes	
AFSC	NPFMC	Flathead sole - Gulf of Alaska	2014	4	Yes	
AFSC	NPFMC	Golden king crab - Aleutian Islands	2015	1	No	
AFSC	NPFMC	Greenland halibut - Bering Sea / Aleutian Islands	2014	4	Yes	
AFSC	NPFMC	Gulf of Alaska Blackspotted and Rougheye Rockfish Complex	2014	4	Yes	
AFSC	NPFMC	Gulf of Alaska Deepwater Flatfish Complex	2014	4	Yes	The assessment is for Deepwater Flatfish Complex indicator stock, Dover sole.
AFSC	NPFMC	Gulf of Alaska Demersal Shelf Rockfish Complex	2014	3	Yes	The assessment is for Demersal Shelf Rockfish Complex indicator stock, yelloweye rockfish.
AFSC	NPFMC	Gulf of Alaska Shallow Water Flatfish Complex	2014	4	Yes	The assessment is for Gulf of Alaska Shallow Water Flatfish Complex indicator stocks, rock sole and Northern rock sole.

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Science Center(s)	Jurisdiction	Stock	Last Assessment			Assessment Notes
			Year	Level ¹	Adequate?	
AFSC	NPFMC	Gulf of Alaska Thornyhead Rockfish Complex	2014	3	Yes	The assessment is for the Thornyhead Rockfish Complex indicator stock, shortspine thornyhead.
AFSC	NPFMC	Northern rockfish - Bering Sea / Aleutian Islands	2014	4	Yes	
AFSC	NPFMC	Northern rockfish - Western / Central Gulf of Alaska	2014	4	Yes	
AFSC	NPFMC	Pacific cod - Bering Sea / Aleutian Islands	2014	4	Yes	
AFSC	NPFMC	Pacific cod - Gulf of Alaska	2014	4	Yes	
AFSC	NPFMC	Pacific ocean perch - Bering Sea / Aleutian Islands	2014	4	Yes	
AFSC	NPFMC	Pacific ocean perch - Gulf of Alaska	2014	4	Yes	
AFSC	NPFMC	Red king crab - Bristol Bay	2014	4	Yes	
AFSC	NPFMC	Red king crab - Norton Sound	2015	4	Yes	
AFSC	NPFMC	Red king crab - Pribilof Islands	2014	1	No	
AFSC	NPFMC	Rex sole - Gulf of Alaska	2014	4	Yes	
AFSC	NPFMC	Sablefish - Eastern Bering Sea / Aleutian Islands / Gulf of Alaska	2014	4	Yes	
AFSC	NPFMC	Snow crab - Bering Sea	2014	4	Yes	
AFSC	NPFMC	Southern Tanner crab - Bering Sea	2014	4	Yes	
AFSC	NPFMC	Walleye pollock - Aleutian Islands	2014	4	Yes	
AFSC	NPFMC	Walleye pollock - Eastern Bering Sea	2014	4	Yes	
AFSC	NPFMC	Walleye pollock - Western / Central / West Yakutat Gulf of Alaska	2014	4	Yes	
AFSC	NPFMC	Yellowfin sole - Bering Sea / Aleutian Islands	2014	5	Yes	
NEFSC	MAFMC	Atlantic mackerel - Gulf of Maine / Cape Hatteras	2015	4	No	
NEFSC	MAFMC	Atlantic surfclam - Mid-Atlantic Coast	2015	4	Yes	
NEFSC	MAFMC	Black sea bass - Mid-Atlantic Coast	2015	4	Yes	
NEFSC	MAFMC	Bluefish - Atlantic Coast	2015	4	Yes	
NEFSC	MAFMC	Butterfish - Gulf of Maine / Cape Hatteras	2015	5	Yes	
NEFSC	MAFMC	Longfin inshore squid - Georges Bank / Cape Hatteras	2015	1	No	
NEFSC	MAFMC	Northern shortfin squid - Northwestern Atlantic Coast	2015	2	No	
NEFSC	MAFMC	Ocean quahog - Atlantic Coast	2013	4	Yes	
NEFSC	MAFMC	Scup - Atlantic Coast	2015	4	Yes	
NEFSC	MAFMC	Summer flounder - Mid-Atlantic Coast	2015	4	Yes	
NEFSC	MAFMC	Tilefish - Mid-Atlantic Coast	2015	4	Yes	

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Science Center(s)	Jurisdiction	Stock	Last Assessment			Assessment Notes
			Year	Level ¹	Adequate?	
NEFSC	NEFMC	Acadian redfish - Gulf of Maine / Georges Bank	2012	4	Yes	
NEFSC	NEFMC	American plaice - Gulf of Maine / Georges Bank	2012	4	Yes	
NEFSC	NEFMC	Atlantic cod - Georges Bank	2015	4	Yes	Asmt conducted on Eastern Georges Bank substock
NEFSC	NEFMC	Atlantic cod - Gulf of Maine	2014	4	Yes	
NEFSC	NEFMC	Atlantic halibut - Northwestern Atlantic Coast	2012	3	Yes	
NEFSC	NEFMC	Atlantic herring - Northwestern Atlantic Coast	2015	5	Yes	
NEFSC	NEFMC	Atlantic wolffish - Gulf of Maine / Georges Bank	2012	4	Yes	
NEFSC	NEFMC	Barndoor skate - Georges Bank / Southern New England	2015	1	No	
NEFSC	NEFMC	Clearnose skate - Southern New England / Mid-Atlantic	2015	1	No	
NEFSC	NEFMC	Haddock - Georges Bank	2015	4	Yes	Asmt conducted on Eastern Georges Bank substock
NEFSC	NEFMC	Haddock - Gulf of Maine	2014	4	Yes	
NEFSC	NEFMC	Little skate - Georges Bank / Southern New England	2015	1	No	
NEFSC	NEFMC	Ocean pout - Northwestern Atlantic Coast	2012	1	No	
NEFSC	NEFMC	Offshore hake - Northwestern Atlantic Coast	2011	-1	No	
NEFSC	NEFMC	Pollock - Gulf of Maine / Georges Bank	2014	4	Yes	
NEFSC	NEFMC	Red deepsea crab - Northwestern Atlantic	2008	1	No	
NEFSC	NEFMC	Red hake - Gulf of Maine / Northern Georges Bank	2015	1	No	
NEFSC	NEFMC	Red hake - Southern Georges Bank / Mid-Atlantic	2015	1	No	
NEFSC	NEFMC	Rosette skate - Southern New England / Mid-Atlantic	2015	1	No	
NEFSC	NEFMC	Sea scallop - Northwestern Atlantic Coast	2015	4	Yes	
NEFSC	NEFMC	Silver hake - Gulf of Maine / Northern Georges Bank	2014	1	No	
NEFSC	NEFMC	Silver hake - Southern Georges Bank / Mid-Atlantic	2014	1	No	
NEFSC	NEFMC	Smooth skate - Gulf of Maine	2015	1	No	
NEFSC	NEFMC	Thorny skate - Gulf of Maine	2015	1	No	
NEFSC	NEFMC	White hake - Gulf of Maine / Georges Bank	2013	4	Yes	
NEFSC	NEFMC	Windowpane - Gulf of Maine / Georges Bank	2012	1	No	
NEFSC	NEFMC	Windowpane - Southern New England / Mid-Atlantic	2012	1	No	
NEFSC	NEFMC	Winter flounder - Georges Bank	2014	4	Yes	
NEFSC	NEFMC	Winter flounder - Gulf of Maine	2014	1	No	

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Science Center(s)	Jurisdiction	Stock	Last Assessment			Assessment Notes
			Year	Level ¹	Adequate?	
NEFSC	NEFMC	Winter flounder - Southern New England / Mid-Atlantic	2011	4	Yes	
NEFSC	NEFMC	Winter skate - Georges Bank / Southern New England	2015	1	No	
NEFSC	NEFMC	Witch flounder - Northwestern Atlantic Coast	2012	4	Yes	
NEFSC	NEFMC	Yellowtail flounder - Cape Cod / Gulf of Maine	2012	4	Yes	
NEFSC	NEFMC	Yellowtail flounder - Georges Bank	2015	1	No	
NEFSC	NEFMC	Yellowtail flounder - Southern New England / Mid-Atlantic	2012	4	Yes	
NEFSC	NEFMC/MAFMC	Goosefish - Gulf of Maine / Northern Georges Bank	2013	4	Yes	
NEFSC	NEFMC/MAFMC	Goosefish - Southern Georges Bank / Mid-Atlantic	2013	4	Yes	
NEFSC	NEFMC/MAFMC	Spiny dogfish - Atlantic Coast	2014	4	Yes	
NWFSC/SWFSC	PFMC	Arrowtooth flounder - Pacific Coast	2015	4	Yes	
NWFSC/SWFSC	PFMC	Black rockfish - Northern Pacific Coast	2007	4	No	Benchmark asmt scheduled for FY15 delayed to Q1FY16
NWFSC/SWFSC	PFMC	Black rockfish - Southern Pacific Coast	2007	4	No	Benchmark asmt scheduled for FY15 delayed to Q1FY16
NWFSC/SWFSC	PFMC	Blackgill rockfish - Southern California	2011	4	Yes	
NWFSC/SWFSC	PFMC	Blue rockfish - California	2007	4	No	
NWFSC/SWFSC	PFMC	Bocaccio - Southern Pacific Coast	2015	4	Yes	
NWFSC/SWFSC	PFMC	Brown rockfish - Pacific Coast	2013	3	Yes	
NWFSC/SWFSC	PFMC	Cabazon - California	2009	4	No	
NWFSC/SWFSC	PFMC	California scorpionfish - Southern California	2005	4	No	
NWFSC/SWFSC	PFMC	Canary rockfish - Pacific Coast	2015	4	Yes	
NWFSC/SWFSC	PFMC	Chilipepper - Southern Pacific Coast	2015	4	Yes	
NWFSC/SWFSC	PFMC	Chinook salmon - Klamath River Fall	2015	4	Yes	
NWFSC/SWFSC	PFMC	Chinook salmon - Sacramento River Fall	2015	3	Yes	
NWFSC/SWFSC	PFMC	Cowcod - Southern California	2013	3	Yes	
NWFSC/SWFSC	PFMC	Darkblotched rockfish - Pacific Coast	2015	4	Yes	
NWFSC/SWFSC	PFMC	Dover sole - Pacific Coast	2011	4	Yes	
NWFSC/SWFSC	PFMC	English sole - Pacific Coast	2013	3	Yes	
NWFSC/SWFSC	PFMC	Gopher rockfish - Northern California	2005	4	No	
NWFSC/SWFSC	PFMC	Greenspotted rockfish - Pacific Coast	2011	3	Yes	

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Science Center(s)	Jurisdiction	Stock	Last Assessment			Assessment Notes
			Year	Level ¹	Adequate?	
NWFSC/ SWFSC	PFMC	Greenstriped rockfish - Pacific Coast	2009	4	No	
NWFSC/ SWFSC	PFMC	Kelp greenling - Oregon	2015	4	Yes	
NWFSC/ SWFSC	PFMC	Lingcod - Pacific Coast	2009	4	No	
NWFSC/ SWFSC	PFMC	Longnose skate - Pacific Coast	2007	4	No	
NWFSC/ SWFSC	PFMC	Longspine thornyhead - Pacific Coast	2013	3	Yes	
NWFSC/ SWFSC	PFMC	Pacific ocean perch - Pacific Coast	2011	4	Yes	
NWFSC/ SWFSC	PFMC	Pacific sanddab - Pacific Coast	2013	4	Yes	
NWFSC/ SWFSC	PFMC	Petrale sole - Pacific Coast	2015	4	Yes	
NWFSC/ SWFSC	PFMC	Rex sole - Pacific Coast	2013	3	Yes	
NWFSC/ SWFSC	PFMC	Rougheye rockfish - Pacific Coast	2013	4	Yes	
NWFSC/ SWFSC	PFMC	Sablefish - Pacific Coast	2015	4	Yes	
NWFSC/ SWFSC	PFMC	Shortbelly rockfish - Pacific Coast	2007	4	No	
NWFSC/ SWFSC	PFMC	Shortspine thornyhead - Pacific Coast	2013	3	Yes	
NWFSC/ SWFSC	PFMC	Spiny dogfish - Pacific Coast	2011	4	Yes	
NWFSC/ SWFSC	PFMC	Splitnose rockfish - Pacific Coast	2009	4	No	
NWFSC/ SWFSC	PFMC	Starry flounder - Pacific Coast	2005	4	No	
NWFSC/ SWFSC	PFMC	Vermilion rockfish - California	2005	-4	No	
NWFSC/ SWFSC	PFMC	Widow rockfish - Pacific Coast	2015	4	Yes	
NWFSC/ SWFSC	PFMC	Yelloweye rockfish - Pacific Coast	2011	4	Yes	
NWFSC/ SWFSC	PFMC	Yellowtail rockfish - Northern Pacific Coast	2013	3	Yes	
PIFSC	WPFMC	American Samoa Bottomfish Multi-species Complex	2015	3	Yes	
PIFSC	WPFMC	Guam Bottomfish Multi-species Complex	2015	3	Yes	
PIFSC	WPFMC	Main Hawaiian Islands Deep Bottomfish Multi-species Complex	2015	-3	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	Yes	
SEFSC	CFMC	Caribbean Groupers	2014	1	No	Assessment of complex component red hind
SEFSC	CFMC	Caribbean Parrotfish Complex	NA		No	

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Science Center(s)	Jurisdiction	Stock	Last Assessment			Assessment Notes
			Year	Level ¹	Adequate?	
SEFSC	CFMC	Caribbean Snappers	2012	2	No	Assessment of complex component silk snapper
SEFSC	CFMC	Caribbean spiny lobster - Puerto Rico	2009	2	No	Basin-wide assessment of Caribbean spiny lobster.
SEFSC	CFMC	Caribbean spiny lobster - St. Croix	2009	2	No	Basin-wide assessment of Caribbean spiny lobster.
SEFSC	CFMC	Caribbean spiny lobster - St. Thomas/St. John	2009	2	No	Basin-wide assessment of Caribbean spiny lobster.
SEFSC	CFMC	Queen conch - Caribbean	2009	2	No	
SEFSC	CFMC	Triggerfish and Filefish Complex - Puerto Rico	2013	-1	No	Assessment of queen triggerfish in the Caribbean
SEFSC	CFMC	Triggerfish and Filefish Complex - St. Croix	2013	-1	No	Assessment of queen triggerfish in the Caribbean
SEFSC	CFMC	Triggerfish and Filefish Complex - St. Thomas/St. John	2013	-1	No	Assessment of queen triggerfish in the Caribbean
SEFSC	GMFMC	Brown shrimp - Gulf of Mexico	2014	4	Yes	
SEFSC	GMFMC	Gag - Gulf of Mexico	2014	4	Yes	
SEFSC	GMFMC	Gray triggerfish - Gulf of Mexico	2015	4	Yes	
SEFSC	GMFMC	Greater amberjack - Gulf of Mexico	2014	4	Yes	
SEFSC	GMFMC	Hogfish - Eastern Gulf of Mexico	2014	4	Yes	
SEFSC	GMFMC	Pink shrimp - Gulf of Mexico	2014	4	Yes	
SEFSC	GMFMC	Red grouper - Gulf of Mexico	2009	4	No	FY15 asmt delayed until FY16.
SEFSC	GMFMC	Red snapper - Gulf of Mexico	2015	4	Yes	
SEFSC	GMFMC	Royal red shrimp - Gulf of Mexico	2014	1	No	
SEFSC	GMFMC	Tilefish - Gulf of Mexico	2011	4	Yes	
SEFSC	GMFMC	Vermilion snapper - Gulf of Mexico	2011	4	Yes	
SEFSC	GMFMC	White shrimp - Gulf of Mexico	2014	4	Yes	
SEFSC	GMFMC	Yellowedge grouper - Gulf of Mexico	2010	4	Yes	
SEFSC	HMS	Atlantic sharpnose shark - Atlantic	2013	4	Yes	
SEFSC	HMS	Atlantic sharpnose shark - Gulf of Mexico	2013	4	Yes	
SEFSC	HMS	Blacknose shark - Atlantic	2011	4	Yes	
SEFSC	HMS	Blacknose shark - Gulf of Mexico	2011	4	Yes	
SEFSC	HMS	Blacktip shark - Atlantic	2006	-4	No	
SEFSC	HMS	Blacktip shark - Gulf of Mexico	2012	4	Yes	
SEFSC	HMS	Blue shark - Atlantic	2008	4	No	
SEFSC	HMS	Bonnethead - Atlantic	2013	-4	No	
SEFSC	HMS	Bonnethead - Gulf of Mexico	2013	-4	No	
SEFSC	HMS	Dusky shark - Atlantic	2011	4	Yes	
SEFSC	HMS	Finetooth shark - Atlantic	2007	3	No	
SEFSC	HMS	Porbeagle - Atlantic	2009	4	No	Asmt sunset at end of FY15
SEFSC	HMS	Sandbar shark - Atlantic	2011	4	Yes	

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Science Center(s)	Jurisdiction	Stock	Last Assessment			Assessment Notes
			Year	Level ¹	Adequate?	
SEFSC	HMS	Scalloped Hammerhead Complex - Atlantic	2009	3	No	Asmt sunset at end of FY15
SEFSC	HMS	Shortfin mako - Atlantic	2012	4	Yes	
SEFSC	SAFMC	Black grouper - Southern Atlantic Coast	2010	4	No	Asmt sunset at end of FY15
SEFSC	SAFMC	Black sea bass - Southern Atlantic Coast	2013	4	Yes	
SEFSC	SAFMC	Blueline tilefish - Southern Atlantic Coast	2013	4	Yes	
SEFSC	SAFMC	Brown rock shrimp - Southern Atlantic Coast	2014	1	No	
SEFSC	SAFMC	Brown shrimp - Southern Atlantic Coast	2014	1	No	
SEFSC	SAFMC	Dolphinfish - Southern Atlantic Coast	2000	2	No	
SEFSC	SAFMC	Gag - Southern Atlantic Coast	2014	4	Yes	
SEFSC	SAFMC	Gray triggerfish - Southern Atlantic Coast	2001	-2	No	Benchmark planned for FY2015 rescheduled for Q4FY2016
SEFSC	SAFMC	Greater amberjack - Southern Atlantic Coast	2008	4	No	
SEFSC	SAFMC	Hogfish - Southeast Florida	2014	4	Yes	
SEFSC	SAFMC	Pink shrimp - Southern Atlantic Coast	2014	1	No	
SEFSC	SAFMC	Red grouper - Southern Atlantic Coast	2010	4	No	Asmt sunset at end of FY15. Next asmt has been rescheduled for FY2017
SEFSC	SAFMC	Red porgy - Southern Atlantic Coast	2012	4	Yes	
SEFSC	SAFMC	Red snapper - Southern Atlantic Coast	2010	4	Yes	Planned FY15 asmt delayed until FY16
SEFSC	SAFMC	Snowy grouper - Southern Atlantic Coast	2014	4	Yes	
SEFSC	SAFMC	Speckled hind - Southern Atlantic Coast	2001	2	No	
SEFSC	SAFMC	Tilefish - Southern Atlantic Coast	2011	4	Yes	
SEFSC	SAFMC	Vermilion snapper - Southern Atlantic Coast	2012	4	Yes	
SEFSC	SAFMC	Warsaw grouper - Southern Atlantic Coast	2001	2	No	
SEFSC	SAFMC	White shrimp - Southern Atlantic Coast	2014	1	No	
SEFSC	SAFMC/GMFMFC	Caribbean spiny lobster - Southern Atlantic Coast / Gulf of Mexico	2010	-4	No	
SEFSC	SAFMC/GMFMFC	Cobia - Gulf of Mexico	2013	4	Yes	
SEFSC	SAFMC/GMFMFC	Cobia - Southern Atlantic Coast	2013	4	Yes	
SEFSC	SAFMC/GMFMFC	King mackerel - Gulf of Mexico	2014	4	Yes	
SEFSC	SAFMC/GMFMFC	King mackerel - Southern Atlantic Coast	2014	4	Yes	
SEFSC	SAFMC/GMFMFC	Mutton snapper - Southern Atlantic Coast / Gulf of Mexico	2015	4	Yes	

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Science Center(s)	Jurisdiction	Stock	Last Assessment			Assessment Notes
			Year	Level ¹	Adequate?	
SEFSC	SAFMC/GMFMC	Spanish mackerel - Gulf of Mexico	2013	4	Yes	
SEFSC	SAFMC/GMFMC	Spanish mackerel - Southern Atlantic Coast	2013	4	Yes	
SEFSC	SAFMC/GMFMC	Yellowtail snapper - Southern Atlantic Coast / Gulf of Mexico	2012	4	Yes	
SWFSC	PFMC	Northern anchovy - Southern Pacific Coast	1995	0	No	
SWFSC	PFMC	Opalescent inshore squid - Pacific Coast	2006	2	No	
SWFSC	PFMC	Pacific chub mackerel - Pacific Coast	2015	4	Yes	
SWFSC	PFMC	Pacific sardine - Pacific Coast	2015	5	Yes	

Footnotes

¹Level 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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