

Please provide the following information, and submit to the NOAA DM Plan Repository.

Reference to Master DM Plan (if applicable)

As stated in Section IV, Requirement 1.3, DM Plans may be hierarchical. If this DM Plan inherits provisions from a higher-level DM Plan already submitted to the Repository, then this more-specific Plan only needs to provide information that differs from what was provided in the Master DM Plan.

URL of higher-level DM Plan (if any) as submitted to DM Plan Repository:

1. General Description of Data to be Managed

1.1. Name of the Data, data collection Project, or data-producing Program:

SIS - Fish Assessment

1.2. Summary description of the data:

The Fish Assessment data set within the Species Information System (SIS) constraints information related to fishery stock assessments, including assessment meta-data and model results.

1.3. Is this a one-time data collection, or an ongoing series of measurements?

Ongoing series of measurements

1.4. Actual or planned temporal coverage of the data:

2005 to Present

1.5. Actual or planned geographic coverage of the data:

U.S. Federal Waters

NOTE: For international stocks, status is reported at the stock level, which likely includes areas outside U.S. Federal Waters (International Waters).

1.6. Type(s) of data:

(e.g., digital numeric data, imagery, photographs, video, audio, database, tabular data, etc.)

Table (digital)

1.7. Data collection method(s):

(e.g., satellite, airplane, unmanned aerial system, radar, weather station, moored buoy, research vessel, autonomous underwater vehicle, animal tagging, manual surveys, enforcement activities, numerical model, etc.)

1.8. If data are from a NOAA Observing System of Record, indicate name of system:

1.8.1. If data are from another observing system, please specify:

2. Point of Contact for this Data Management Plan (author or maintainer)**2.1. Name:**

Jeffrey Vieser

2.2. Title:

Metadata Contact

2.3. Affiliation or facility:**2.4. E-mail address:**

jeffrey.vieser@noaa.gov

2.5. Phone number:

301-427-8112

3. Responsible Party for Data Management

Program Managers, or their designee, shall be responsible for assuring the proper management of the data produced by their Program. Please indicate the responsible party below.

3.1. Name:

Jeffrey Vieser

3.2. Title:

Data Steward

4. Resources

Programs must identify resources within their own budget for managing the data they produce.

4.1. Have resources for management of these data been identified?

Yes

4.2. Approximate percentage of the budget for these data devoted to data management (specify percentage or "unknown"):

Unknown

5. Data Lineage and Quality

NOAA has issued Information Quality Guidelines for ensuring and maximizing the quality, objectivity, utility, and integrity of information which it disseminates.

5.1. Processing workflow of the data from collection or acquisition to making it publicly accessible

(describe or provide URL of description):

Lineage Statement:

NOAA Fisheries Science Center representatives compile stock assessment information and assessment results (summary data, time series and survey-assessment linkages) for entry in the SIS database after stock assessments are considered final (i.e. have

completed their regional peer review processes and are available for use as advice to managers). Stock assessment refers to the processes of collecting, analyzing, and reporting demographic information for the purpose of determining the effects of fishing on fish populations. Assessments involve some sort of quantitative data analysis and provide information necessary to estimate the current abundance and exploitation rates of resources relative to predefined goals. Assessment information include: update to a trend analysis using the most recent catch and abundance index to provide an updated status report; interpretation of the most recent survey abundance data as absolute biomass, multiplying by target exploitation rate, and providing updated quota recommendations; incorporation of the most recent data into a dynamic model and using the results to update status determinations, quotas, etc. Simple data reports (catch reports, report of abundance index from a recent fishery-independent survey, report on a data workshop for data that could be used in an assessment) do not qualify as assessments and are not routinely entered into SIS. Stock assessments that do not pass their technical regional peer review are included in SIS but are limited to reflect the descriptive information about the assessment (i.e. the attempted level of effort for the assessment, review process, and citation).

2. An assessment record is created for a SIS entity (e.g. stock or stock complex) and includes assessment summary information, assessment time series, and assessment-survey links. To create an assessment record, the Science Center representative selects an entity and enters the assessment summary information including: 1) Assessment Year and Assessment Month 2) Assessment Model 3) Model Version 4) Lead Lab 5) Point of Contact 6) Update Type: 7) Review Type 8) Levels of Life History data 9) Levels of Stock Assessment 10) Levels of Stock Assessment 11) Levels of Catch Data 12) Levels of Abundance Data 13) Citation: 14) Fishing Mortality Rate (F) Related Data 15) B (biomass) Related Fields

3. After an assessment record has been created in SIS, time series information can be entered. The time series entry is associated with an individual assessment record in SIS. Time series data can include data inputs and/or model outputs and are used to show trends in population and fishing effort. Each set of time series data must contain the following descriptive fields: time series year, parameter category, data type, primary flag, data source, basis, range, statistic, and scalar as well as the time series value.

4. After an assessment record has been created in SIS, the Science Center representative can add assessment-survey links. This information is used to track fishery-independent surveys and other inputs used as abundance indicators in stock assessments. The overall assessment-survey link entry is associated with an individual assessment record in SIS and survey links are created for each abundance indicator/survey used or explored in the stock assessment. Survey link records contain the following data inputs: survey name or other category; notes (if needed); and influence degree.

5.1.1. If data at different stages of the workflow, or products derived from these data, are subject to a separate data management plan, provide reference to other plan:

5.2. Quality control procedures employed (describe or provide URL of description):

Stock assessment information is entered by Regional Points of Contact Completeness and QC is checked by SIS data set administrator.

6. Data Documentation

The EDMC Data Documentation Procedural Directive requires that NOAA data be well documented, specifies the use of ISO 19115 and related standards for documentation of new data, and provides links to resources and tools for metadata creation and validation.

6.1. Does metadata comply with EDMC Data Documentation directive?

No

6.1.1. If metadata are non-existent or non-compliant, please explain:

Missing/invalid information:

- 1.7. Data collection method(s)

6.2. Name of organization or facility providing metadata hosting:

NMFS Office of Science and Technology

6.2.1. If service is needed for metadata hosting, please indicate:

6.3. URL of metadata folder or data catalog, if known:

<https://www.fisheries.noaa.gov/inport/item/25795>

6.4. Process for producing and maintaining metadata

(describe or provide URL of description):

Metadata produced and maintained in accordance with the NOAA Data Documentation Procedural Directive: https://nosc.noaa.gov/EDMC/DAARWG/docs/EDMC_PD-Data_Documentation_v1.pdf

7. Data Access

NAO 212-15 states that access to environmental data may only be restricted when distribution is explicitly limited by law, regulation, policy (such as those applicable to personally identifiable information or protected critical infrastructure information or proprietary trade information) or by security requirements. The EDMC Data Access Procedural Directive contains specific guidance, recommends the use of open-standard, interoperable, non-proprietary web services, provides information about resources and tools to enable data access, and includes a Waiver to be submitted to justify any approach other than full, unrestricted public access.

7.1. Do these data comply with the Data Access directive?

No

7.1.1. If the data are not to be made available to the public at all, or with limitations, has a Waiver (Appendix A of Data Access directive) been filed?

No

7.1.2. If there are limitations to public data access, describe how data are protected from unauthorized access or disclosure:

No Restrictions

7.2. Name of organization of facility providing data access:

NMFS Office of Science and Technology (OST)

7.2.1. If data hosting service is needed, please indicate:

Yes

7.2.2. URL of data access service, if known:

7.3. Data access methods or services offered:

Data for FSSI stocks can be accessed through the SIS Public Portal. Additional data can be obtained by sending a request to Stacey.Miller@noaa.gov

7.4. Approximate delay between data collection and dissemination:

5 Days

7.4.1. If delay is longer than latency of automated processing, indicate under what authority data access is delayed:

8. Data Preservation and Protection

The NOAA Procedure for Scientific Records Appraisal and Archive Approval describes how to identify, appraise and decide what scientific records are to be preserved in a NOAA archive.

8.1. Actual or planned long-term data archive location:

(Specify NCEI-MD, NCEI-CO, NCEI-NC, NCEI-MS, World Data Center (WDC) facility, Other, To Be Determined, Unable to Archive, or No Archiving Intended)

TO_BE_DETERMINED

8.1.1. If World Data Center or Other, specify:

8.1.2. If To Be Determined, Unable to Archive or No Archiving Intended, explain:

8.2. Data storage facility prior to being sent to an archive facility (if any):

NMFS Office of Science and Technology - Silver Spring, MD

8.3. Approximate delay between data collection and submission to an archive facility:

Unknown

8.4. How will the data be protected from accidental or malicious modification or deletion prior to receipt by the archive?

Discuss data back-up, disaster recovery/contingency planning, and off-site data storage relevant to the data collection

This application is hosted by the Office of Science and Technology within the NOAA System 4020 and is compliant with all applicable Federal Government security policies.

Edit access to data is subject to role-based authentication and access control.

9. Additional Line Office or Staff Office Questions

Line and Staff Offices may extend this template by inserting additional questions in this section.