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:
Sea Scallop Survey

1.2. Summary description of the data:
The standardized NEFSC Sea Scallop Survey began in 1980 and has covered an area from Cape Hatteras to Georges Bank. The survey aims to determine the distribution and abundance of scallops and associated fauna utilizing two sampling devices: the 8-foot wide New Bedford style dredge, standardized sea scallop dredge and the stereo-optic towed camera array (HabCam). Fifteen minute dredge hauls are made at stations that are randomly selected using the NEFSC shellfish strata to provide unbiased abundance measurements. The HabCam is conducted using transects across bathymetry lines in the same area as the dredge tows. Various vessels have served as a platform for the survey, including NOAA vessels: FRV Albatross IV, FRV Oregon II, FRV Chapman, FV Tradition and currently, the UNOLS vessel RV Hugh R. Sharp.

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:
1980-05-20 to Present

1.5. Actual or planned geographic coverage of the data:
W: -75.633333, E: -65.916, N: 43.483333, S: 35.55
northwest Atlantic Ocean: Cape Hatteras, Delmarva Peninsula, Mid-Atlantic Bight, southern New England, Georges Bank

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:
Paul Kostovick

2.2. Title:
Metadata Contact

2.3. Affiliation or facility:

2.4. E-mail address:
paul.kostovick@noaa.gov

2.5. Phone number:
(508)495-2343

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:
Paul Kostovick

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:
Vessel sensor data are collected electronically using SCS. Station, catch and biological data were collected manually using paper logs until 2000. At the completion of each cruise leg, the logs were keypunched and data audited extensively prior to being released. Starting with year 2001, FSCS 1.0 was implemented to electronically capture station, catch and biological data. Data were subject to extensive audits prior to being released.

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):

SCS and FSCS data collection software programs employ real-time validation and must meet database integrity constraints. Prior to FSCS data collection, paper logs were pre-audited prior to keypunching. Data were then subject to post-audits.

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/22564

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?

Yes

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?

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

7.2. Name of organization of facility providing data access:

Northeast Fisheries Science Center (NEFSC)

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

7.2.2. URL of data access service, if known:

https://storage.googleapis.com/nmfs_odp_nefsc/PARR/PEMAD/ESB/22564/22564_NEFSCSeaScallopFish
https://storage.googleapis.com/nmfs_odp_nefsc/PARR/PEMAD/ESB/SVDBS/SVDBS_SupportTables.zip

7.3. Data access methods or services offered:

1. Formal request in writing usually to the data owner/contact or Center Director.

2. Requester is contacted by data owner to review and verify the request content and details for data delivery options.

3. If data is confidential then owner will determine is the data may be released to the requester.

4. If data can be released, the data is downloaded and packaged for delivery electronically; or the requester may be directed to where the data is available online.

7.4. Approximate delay between data collection and dissemination:

45 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)

OTHER

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):

Northeast Fisheries Science Center - Woods Hole, MA

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

N/A

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

Archival of source data preserving unaltered collected data, Scheduled backups, Remote storage backups, Password protection.

9. Additional Line Office or Staff Office Questions
Line and Staff Offices may extend this template by inserting additional questions in this section.