

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:

National Bycatch Report 2010 - Present

1.2. Summary description of the data:

This system collects bycatch data and fishery landings data from all five NOAA Fisheries Regions and automates the generation of the tables required to publish the National Bycatch Report (NBR). The NBR documents bycatch estimates, using observer data and self-reported logbook data, for all fisheries for which this information is available. NBR bycatch estimates are fishery- and species-specific. The NBR includes bycatch estimates for fish, marine mammals, sea turtles, seabirds, and corals. Future NBR reports will include additional bycatch estimates as new fisheries are monitored and new data are analyzed. Over time, the NBR, along with other information sources, should help improve NOAA Fisheries' ability to monitor bycatch trends, improve stock assessments, and set fishery monitoring priorities, as well as serve as a useful data tool for NOAA Fisheries' management partners.

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:

2010 to Present

1.5. Actual or planned geographic coverage of the data:

National U.S. Exclusive Economic Zone

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:**

Lee Benaka

2.2. Title:

Metadata Contact

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

Lee.Benaka@noaa.gov

2.5. Phone number:

301-427-8554

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:

Lee Benaka

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"):

30

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:

Data that make up the National Bycatch Report (NBR) are collected by at-sea fisheries observers, who use notebooks or electronic reporting methods (for example, laptops or tablets) to record their data. These data are transmitted to regional observer programs, where the data are reviewed and validated by regional "debriefers" and other analysts. The data eventually are used to generate species-specific bycatch estimates using a variety of estimators including Binomial Based Ratio Estimators, Census, Combined Ratio Estimator, Delta Lognormal Model, Delta Method, Delta-Lognormal Based Ratio Estimator, General Additive Model, Generalized Lineal Model, Population Model, Ratio Estimator, Simple Ratio Estimator, and Target Fishery Extrapolation. Regional bycatch estimates are uploaded into the NBR database, and after review and approval, the estimates are published online in an NBR Update.

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):

Bycatch estimates are created by regional teams of experts in fish and protected resources bycatch estimation. Regional estimates are reviewed by experts at NMFS headquarters and then shared with regional experts for additional review.

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/20850>

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:

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:

<https://www.st.nmfs.noaa.gov/ords/NationalBycatchReport/metadata-catalog/>

7.3. Data access methods or services offered:

Publically accessible website (Guest login).

<https://www.st.nmfs.noaa.gov/apex/f?p=243:101:409220627807>

7.4. Approximate delay between data collection and dissemination:

730 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.