

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:

AFSC/RACE/EcoFOCI - Genetics analyses performed in support of FOCI assessment surveys and ecosystem observations in the Bering Sea and the Gulf of Alaska 2009 - 2010

1.2. Summary description of the data:

The datasets contain nucleotide sequence data that is in text format and each line of sequence has a unique sample code (combination of letters and numbers).

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

One-time data collection

1.4. Actual or planned temporal coverage of the data:

2009 to 2010

1.5. Actual or planned geographic coverage of the data:

W: -180, E: -150, N: 60, S: 50

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:

Kimberly Bahl

2.2. Title:

Metadata Contact

2.3. Affiliation or facility:

2.4. E-mail address:

kimberly.bahl@noaa.gov

2.5. Phone number:

206 526 4314

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:

Melanie Paquin

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?

No

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

0

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:

PCR products from fish samples were sequenced using ABI Big Dye chemistry version 3.1 (Applied Biosystems, Inc) and run on an ABI 3730 automated sequencer. KB BASECALLER quality scores were generated using ABI data collection software version 3.0, and bidirectional sequences were aligned in the computer program SEQUENCHER version 4.9 (Gene Codes Corp.). Both directions were sequenced and aligned for reference specimen samples that showed intraspecific variation in RFLP banding patterns; otherwise, sequence from one direction was analyzed for PCR-RFLP assay

development. Likewise, DNA sequence from one direction was analyzed for prey samples not assigned to one of the target fish groups (i.e. that could not be identified using the PCR-RFLP protocols), or were classified as unknown teleosts. Replicate DNA extractions of 12 prey items were sequenced in order to verify consistency of sequence data between replicates and to test for contamination from other prey species. Unique COI haplotypes from reference specimens were deposited in BOLD (DNA barcodes of marine fishes from the Northeast Pacific Ocean and Bering Sea, Proj. Code WXYZ <http://www.boldsystems.org/>). Sequences from samples that could not be identified using the PCR-RFLP protocols, or that were classified as unknown teleosts, were compared to the database of reference sequences in GenBank using the BLAST (Basic Local Alignment Search Tool) query algorithm.]

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):

See methods

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)
- 7.2. Name of organization of facility providing data access

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/26576>

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:

User must read and fully comprehend the metadata prior to use. Applications or inferences derived from the data should be carefully considered for accuracy.

7.2. Name of organization of facility providing data access:

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

N/A

7.2.2. URL of data access service, if known:

<http://www.boldsystems.org/>

7.3. Data access methods or services offered:

Unique COI haplotypes from reference specimens were deposited in BOLD (DNA barcodes of marine fishes from the Northeast Pacific Ocean and Bering Sea, Proj. Code WXYZ <http://www.boldsystems.org/>).

7.4. Approximate delay between data collection and dissemination:

varies

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):

Alaska Fisheries Science Center - Seattle, WA

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

varies

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

Yes

9. Additional Line Office or Staff Office Questions

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