

*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/ABL: ACES-SHELFZ (Arctic Coastal Ecosystem Survey AND Shelf Habitat and EcoLogY of Fish and Zooplankton) Catch Database

### **1.2. Summary description of the data:**

The objectives of these Arctic nearshore fish surveys is to measure seasonal changes in the distribution, demographics, trophic position and nutritional status of forage fish during the partial and complete ice-free season near Pt. Barrow, along the nearshore Chukchi and Beaufort Seas including Elson Lagoon, Alaska. These data will be related to biological and physical conditions observed near the Chukchi and Beaufort coasts and Elson Lagoon. Arctic Cod (*Boreogadus saida*), Saffron Cod (*Eleginus gracilis*), Capelin (*Mallotus villosus*), Sand Lance (*Ammodytes hexapterus*), Coregonids and sculpins will serve as the primary forage species targeted in the proposed work. The physical features to be measured include salinity, temperature, current direction and speed, wind direction and speed and bathymetry, but most importantly we seek a better understanding of how weather (wind) would affect the transport through the multi-inlet Elson Lagoon and its relation to coastal currents. Biological features include the community composition, abundance, distribution and quality of zooplankton prey available to forage fish. The catch data in this database include sampling efforts from 3 complimentary studies using similar gear in similar areas: ACES (Arctic Coastal Ecosystem Survey) and SHELFZ (Shelf Habitat and EcoLogY of Fish and Zooplankton), Ecology of Forage Fishes in the Arctic Nearshore. Data will be comparable to NOAAs previous efforts in the nearshore near Pt. Barrow (e.g. Thedinga et al. 2013). Combining these historical data with the proposed work will lead to an improved understanding of the relationship between forage fish and their nearshore habitats during the partial and complete ice-free period. The information developed by this proposed project is needed by those engaged in predicting impacts of climate change, developing oil and gas resources, managing foraging habitat of marine mammals, and planning for increased marine transportation.

### **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:**

2013-07-14 to 2014-08-22

**1.5. Actual or planned geographic coverage of the data:**

W: -160.285, E: -155.428, N: 71.9238, S: 70.8072

Gulf of Alaska, Bering Sea and Aleutian Islands

**1.6. Type(s) of data:**

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

**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:**

Metadata Coordinators MC

**2.2. Title:**

Metadata Contact

**2.3. Affiliation or facility:**

**2.4. E-mail address:**

AFSC.metadata@noaa.gov

**2.5. Phone number:**

**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:**

Johanna Vollenweider

**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:

Contact the dataset POC for full methodology

**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):**

Contact the dataset POC for full QA/QC methodology

#### 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/23736>

#### **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](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:**

The data set is still being analyzed and will not be available for distribution until it has been finalized and all QA/QC practices have been performed. Contact the Data Point of Contact for estimated time of release. Contact the Point of Contact for data request form.

##### **7.2. Name of organization of facility providing data access:**

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

yes

##### **7.2.2. URL of data access service, if known:**

[https://console.cloud.google.com/storage/browser/\\_details/nmfs\\_odp\\_afsc/ABL/ACES-SHELFZ%20%28](https://console.cloud.google.com/storage/browser/_details/nmfs_odp_afsc/ABL/ACES-SHELFZ%20%28)

[https://console.cloud.google.com/storage/browser/\\_details/nmfs\\_odp\\_afsc/ABL/ACES-SHELFZ%20%28](https://console.cloud.google.com/storage/browser/_details/nmfs_odp_afsc/ABL/ACES-SHELFZ%20%28)

[https://console.cloud.google.com/storage/browser/\\_details/nmfs\\_odp\\_afsc/ABL/ACES-SHELFZ%20%28](https://console.cloud.google.com/storage/browser/_details/nmfs_odp_afsc/ABL/ACES-SHELFZ%20%28)

##### **7.3. Data access methods or services offered:**

N/A

##### **7.4. Approximate delay between data collection and dissemination:**

unknown

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

no delay

**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):**

Auke Bay Laboratories - Juneau, AK

**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*

IT Security and Contingency Plan for the system establishes procedures and applies to the functions, operations, and resources necessary to recover and restore data as hosted in the Western Regional Support Center in Seattle, Washington, following a disruption.

**9. Additional Line Office or Staff Office Questions**

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