

*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:**

Obsolete - AFSC/RACE/EcoFOCI: 2011 Fall Bering Sea Mooring Cruise DY11-04/3DY11

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

Our scheduled departure time was delayed due to a combination of weather and ship's equipment problems (navigation light, engine). The weather slowed our transit time to Bering Site 2 from approximately 19 hrs to more than 29 hours.

Bering Sea Site 2 - When we arrived at site 2, we began CTD/chlorophyll/nutrient/oxygen and bongo ops at the southernmost box station. The station was successfully completed and we slowly made our way to the westernmost box station averaging between 5 and 6 knots. This station was also successfully completed, but ship's personnel concluded that due to a combination of the weather and personnel inexperience in the challenging sea conditions, operations would be suspended. After a safety meeting among ship's personnel, it was decided that the survey person, would monitor the operations area for safety considerations. Deployment and recovery of gear that was normally performed by a survey tech and deck hand would now be done by a scientist and a deck hand. Operations resumed at mid-morning - CTD/chlorophyll/nutrient/oxygen and bongo ops at the remaining box stations were completed. The center station was completed with 2 CTD/chlorophyll/nutrient/oxygen/DIC casts, a bongo and triplicate CalVET tows. We waited overnight hoping for improving weather conditions, but in the morning concluded that we should head north to Bering Sea site 5.

Bering Sea Site 5 - We deployed 2 subsurface moorings (mooring recoveries at this site had been conducted previously on a contract vessel). A CTD/chlorophyll/nutrient/oxygen/DIC casts, a bongo and triplicate CalVET tows were completed after mooring operations. We then completed the box of stations surrounding site 5 with a CTD/chlorophyll/nutrient/oxygen and bongo at each station.

Bering Sea Site 4 - We deployed 2 subsurface moorings (there were no moorings to be recovered at this site). Two CTD/chlorophyll/nutrient/oxygen/DIC casts, a bongo and triplicate CalVET tows were completed after mooring operations. We then completed the box of stations surrounding site 4 with a CTD/chlorophyll/nutrient/oxygen and bongo at each station.

Bering Sea Site 2 b?? A small boat was launched to recover the fragile instruments on the surface buoy tower. A surface mooring and two subsurface moorings were successfully recovered. Two subsurface moorings were successfully deployed. Three CTD/chlorophyll/nutrient/oxygen/DIC casts were completed.

CTD and bongo line b?? A line of eight CTD/chlorophyll/nutrient/oxygen and bongo tows - starting at site 2 and working towards site 4 - were completed. The last seven casts included DIC samples.

**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:**

2011-09-20 to 2011-09-28

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

W: -172.196, E: -163.8388, N: 60.079, S: 56.6412

Bering Sea

**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:**

Kimberly Bahl

**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"):**

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:

See InPort entries 26275, 26373, and 26570.

**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 InPort entries 26275, 26373, and 26570.

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

**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/17087>

**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:**

There are no legal restrictions on access to the data. They reside in public domain and can be freely distributed.

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

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

**7.2.2. URL of data access service, if known:****7.3. Data access methods or services offered:**

Contact distributor

**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:**

not automatically processed

**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):**

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*

local and off site backups

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

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