

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:

Alaska Steller sea lion pup serum chemistry and hematology values, 1998-2011

### 1.2. Summary description of the data:

These data were used for an analysis of Steller sea lion pup health and condition by Lander et al. (2013). Serum chemistry and hematological values were measured by analysis of blood samples taken from 1,231 Steller sea lion pups (<2 months old). Pups were captured by hand or with hoop nets at 37 rookeries across their Alaskan range during mid-June to early July. Blood samples were collected from the caudal gluteal vein into EDTA and serum separator tubes. For details on analytical methodology, see Lander et al. (2013).

### 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:

1998 to 2011

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

W: 173, E: -133, N: 61, S: 50

Aleutian Islands, Alaska Peninsula, Gulf of Alaska, Southeast Alaska

### 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:**

Brian Fadely

**2.2. Title:**

Metadata Contact

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

brian.fadely@noaa.gov

**2.5. Phone number:**

206-526-6173

**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:**

Michelle Lander

**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"):**

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:

See Lander et al. (2013; EcoHealth 10:376-393) for a complete description of methods.

Blood profile data collected in the field, laboratory, or generated by analyses from a

commercial laboratory were entered into a relational database. Site name and region information were obtained from Fritz, L.W.; Sweeney, K.; Towell, R.; Gelatt, T. (2015). Steller sea lion haulout and rookery locations in the United States for 2015-05-14 (NC EI Accession 0129877). NOAA National Centers for Environmental Information. Dataset. doi:10.7289/V58C9T7V [access date]

#### Process Steps:

- Steller sea lion pups were captured by hand or hoop-net. (Citation: Lander, ME, BS Fadely, TS Gelatt, LD Rea, and TR Loughlin. 2013. Serum Chemistry Reference Ranges for Steller Sea Lion (*Eumetopias jubatus*) Pups from Alaska: Stock Differentiation and Comparisons Within a North Pacific Sentinel Species. *EcoHealth* 10:376-393)
- Sea lion pups were physically or chemically restrained. (Citation: Lander, ME, BS Fadely, TS Gelatt, LD Rea, and TR Loughlin. 2013. Serum Chemistry Reference Ranges for Steller Sea Lion (*Eumetopias jubatus*) Pups from Alaska: Stock Differentiation and Comparisons Within a North Pacific Sentinel Species. *EcoHealth* 10:376-393)
- Blood samples were drawn into blood collection tubes. (Citation: Lander, ME, BS Fadely, TS Gelatt, LD Rea, and TR Loughlin. 2013. Serum Chemistry Reference Ranges for Steller Sea Lion (*Eumetopias jubatus*) Pups from Alaska: Stock Differentiation and Comparisons Within a North Pacific Sentinel Species. *EcoHealth* 10:376-393)
- Serum was separated by spinning blood collection tubes in a centrifuge. (Citation: Lander, ME, BS Fadely, TS Gelatt, LD Rea, and TR Loughlin. 2013. Serum Chemistry Reference Ranges for Steller Sea Lion (*Eumetopias jubatus*) Pups from Alaska: Stock Differentiation and Comparisons Within a North Pacific Sentinel Species. *EcoHealth* 10:376-393)
- Serum samples were frozen and sent to laboratories for analysis. (Citation: Lander, ME, BS Fadely, TS Gelatt, LD Rea, and TR Loughlin. 2013. Serum Chemistry Reference Ranges for Steller Sea Lion (*Eumetopias jubatus*) Pups from Alaska: Stock Differentiation and Comparisons Within a North Pacific Sentinel Species. *EcoHealth* 10:376-393)

**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 the publication: "Lander, ME, BS Fadely, TS Gelatt, LD Rea and TR Loughlin (2013). Serum chemistry reference ranges for Steller sea lion (*Eumetopias jubatus*) pups from Alaska: stock differentiation and comparisons within a North Pacific sentinel species. *EcoHealth* 10:376-393" for a complete description of QC procedures.

## **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/24630>

**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?**

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:**

NOAA National Centers for Environmental Information (NCEI)

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

Yes

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

<https://www.nodc.noaa.gov/cgi-bin/OAS/prd/download/137994.1.1.tar.gz>

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

The data set is in the process of being archived with the NOAA National Centers for Environmental Information. Once the archival process is complete and verified, the data set will be publicly available.

**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:**

Data 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)*

NCEI\_MD

**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

Marine Mammal Laboratory, Alaska Ecosystems Program

**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.*