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/NMML/CCEP: Raw telemetry data for California sea lions and northern fur seals in waters off California, Oregon, and Washington

1.2. Summary description of the data:

The purpose of this project was to obtain data that are pertinent to assessing aspects of the distribution and foraging ecology of pinnipeds inhabiting the California Current. The California Current Ecosystem Program has attached satellite instruments and/or archival time-depth recorders on pinnipeds inhabiting waters off Washington, Oregon, and California to examine their haulout and at-sea spatial distribution, diving behaviors, and movement patterns at varying temporal scales. We aim to integrate telemetry data with aspects of their physiology and diet to assess sex/age-related differences by conspecifics or intra-specific differences among seals, sea lions, or fur seals in the California Current. Locations are calculated and provided by the Argos satellite system (http://www.argos-system.org/). Additional software are required to decode these data. Data are, generally, in the same format as originally delivered from Argos/CLS America and no quality assurance or quality control measures have been implemented.

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:

1990 to Present

1.5. Actual or planned geographic coverage of the data:

W: -130, E: -115, N: 56, S: 28
West coasts of U.S., Canada, and Mexico

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:
Tony Orr

2.2. Title:
Metadata Contact

2.3. Affiliation or facility:

2.4. E-mail address:
tony.orr@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:
Tony Orr

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:

Instrumentation – Animals were outfitted with a platform transmitter terminal Kiwisat PTTs (SirTrack, Havelock North, New Zealand) and a VHF radio transmitter (Model MM130, Advanced Telemetry Systems, Isanti, Minnesota). During 2005, individuals were instrumented with KiwiSat tags, VHF transmitters, and time-depth recorders (TDRs; Mk9, Wildlife Computers, Redmond, Washington). During 2006, SPLASH tags (Wildlife Computers), which have location and time-depth recording capabilities, were attached to individuals. During 2007, sea lions were equipped with a PTT only (SPOT5; Wildlife Computers). Instruments were attached directly onto the animal's pelage or onto a neoprene patch that was affixed to the pelage located dorsally between the scapulae. The adhesive (5-minute epoxy, DevconTM, Danvers, Massachusetts) was applied after the animal's pelage was cleaned, degreased with acetone, and dried using a towel or compressed air. Once morphometric data and biological samples were collected, the epoxy had hardened, and sedation (when applied) wore off, the animal was released. Efforts were made to recapture individuals equipped with TDRs or SPLASH tags so that archival dive information could be obtained. Location data (i.e. latitude, longitude) were obtained. Data were transmitted to the Argos Data Location and Collection System (Service Argos 1996). To extend battery life, the Kiwisat PTTs were programmed with either a 12 hr (4 on/8 off) or 72 hr (24 on/48 off) duty cycle. To maximize the number of transmissions received by Argos satellites, tag transmission periods were synchronized with periods of optimal satellite coverage using NASA's J-Pass software (ver. 2.0).
These data are represented as a zipped archive of all messages and data files delivered from Argos/CLS America to the California Current Ecosystems Program. Data may have been delivered via direct electronic download, email or CD. The message formats have changed over the years and are preserved as close to the 'as delivered' state as possible.

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):

The intent of this data set is to provide an archival record of the data as delivered from CLS America/Argos. Processed data conducted on a project by project will be made publicly available via NCEI or associated scientific publications.

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/17897

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:

The dataset is in the process of being archived with the NOAA National Centers for Environmental Information. Once the archival process is complete and verified, the dataset will be publicly available. Data will be available March 2016.

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://access.afsc.noaa.gov/data-zips/56465_California_sea_lion_adult_male_migration_locations_19

7.3. Data access methods or services offered:
The dataset is in the process of being archived with the NOAA National Centers for Environmental Information. Once the archival process is complete and verified, the dataset 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

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.