

*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 FIT Pacific cod tagging data from the Bering Sea, 2002-2006

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

Data from opportunistic tagging studies in the southeast Bering Sea 2002-2003. Individually numbered loop spaghetti tags released during research cruises; all recoveries from fishing industry. Main release groups in February 2003 at two locations: 1) N of Cape Sarichef, Unimak Island, and 2) off Amak Island, north of the Alaska peninsula. Other smaller releases at several locations in southeast Bering Sea from April 2002 to November 2003. Pacific cod (*Gadus macrocephalus*) caught with commercial and research pot gear from depths of 50-150 meters; length of tagged fish primarily 50-80 cm. Data in MS Access format (digital tabular). Data include lat/long of capture and release locations, release date/time, fish length and condition at release. Recovery data includes location and date of recovery, recovering vessel and gear, fishery observer, recipient for tag reward. Most recovery locations in lat/lon to nearest minute, some to state or federal stat area only; variables code quality of recovery location and date info. Most records include length, weight, sex, and condition of recovered fish, some otoliths collected. Recoveries primarily documented by fishery observers on vessel or at delivery plant. Database includes tags recovered through Dec 2007. Total of 6871 tags released, 2634 tags recovered. Important caveats: 1) tags released opportunistically, not in design or associated with quantitative model, 2) most tag releases were in main commercial fishing ground during fishing season, assumptions of mixing with overall population are invalid, 3) all recoveries through industry, spatial and temporal distribution of recovery effort very non-uniform, some areas little or no effort. Raw data including coordinates of tag recoveries and vessel information are considered observer data and are confidential under the Magnuson-Stevens Act.

### **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:**

2002 to 2007

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

W: 179.999999, E: -154, N: 62, S: 53

Main releases in known spawning ground just north of Alaska Peninsula from Amak Island to Unimak Island. Some releases south of Unimak Island and west of Unimak Pass. Recoveries throughout Bering Sea, including areas north of St Matthew Is. One recovery in Aleutian Islands and a few in western GOA. Most recoveries and recovery effort in southeast BS from Unimak Island to Pribilofs

**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:**

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:**

Liz Conners

**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 dataqual and method in uploaded FGDC view.

**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 dataqual and method in uploaded FGDC view.

#### 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/26255>

**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?**

Yes

**7.1.2. If there are limitations to public data access, describe how data are protected from unauthorized access or disclosure:**

Recovery positions and vessel information are confidential under the Magnuson-Stevens Act (observer data). Access to raw data only for persons registered under federal and AFSC data confidentiality agreements. Summarized data may be released, check with AFSC for summary requirements.

**7.2. Name of organization of facility providing data access:****7.2.1. If data hosting service is needed, please indicate:**

na

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

na

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

na

**7.4.1. If delay is longer than latency of automated processing, indicate under what**

**authority data access is delayed:**

na

**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:**

na

**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.*