

*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/RACE/GAP/McConnaughey:USBL Proof of Concept-1998-USBL data

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

The trials were conducted in Dabob Bay, Washington, in May 1998. The main objective of these trials was to determine an accurate and reliable system to track a fishing trawl. Three USBL vendors were invited and agreed to participate in the trials. Nautronix Ltd. (Nautronix) provided their ATS II system, Simrad Subsea A/S (Simrad) provided their ITI system, and Ocean Research Equipment, Inc. (ORE) submitted their Trackpoint II Plus system. A local ORE distributor, MECCO, Inc. (MECCO), provided and operated the Trackpoint II Plus system. The U.S. Navy's fixed, underwater tracking range in Dabob Bay, operated by the Naval Undersea Warfare Center (NUWC) Division ? Keyport, Washington, was also used in these trials. The range was used to provide simultaneous sub-sea positioning of the fishing trawl and to serve as a benchmark for system evaluations. The U.S. Navy also provided surface navigation support for the fishing vessel during these trials. The vessel selected by AFSC to conduct these trawls was the F/V Vesteraalen. It is 124 feet long, has a beam of 32 feet, and a draft of 18 feet. The F/V VESTERAALLEN has a single, fixed-pitch propeller with a nozzle. By design, the vessel is like most in-shore trawlers and has, in fact, operated in Alaska in the past. The tests were conducted using NMFS otter trawls, typically used in Alaskan waters. A trial schedule was developed that would provide each vendor with three days to mobilize and test their systems. Each vendor's equipment was attached to the fishing trawl, along with the U.S. Navy tracking gear. Both the U.S. Navy and the USBL vendor collected simultaneous trawl position data as determined by their respective equipment, with the trawl being dragged on the bottom along a predetermined track. The main objective of these trials was to assess the accuracy of each vendor's equipment. This was accomplished using a statistical comparison between each vendor's data and the U.S. Navy's data that were observed simultaneously. This report details the results of these trials and summarizes the comparison results. It also contains details of the equipment and the methodologies used to collect and analyze the data. As a result of the data analysis, conclusions were drawn and recommendations have been included in this report.

**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:**

1998-05-20 to 1998-05-30

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

W: -122.845964, E: -122.842347, N: 47.755749, S: 47.745937

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

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

**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:**

Steve Intelmann

**2.2. Title:**

Metadata Contact

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

steve.intelmann@noaa.gov

**2.5. Phone number:**

(206) 526-4157

**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:**

Bob McConnaughey

**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:

unknown

**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):**

unknown

#### 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/32342>

**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:**

None

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

Alaska Fisheries Science Center (AFSC)

**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/32342\\_GAP\\_1998\\_USBL\\_proof\\_of\\_concept\\_Trawlex\\_98\\_USBL\\_d](https://access.afsc.noaa.gov/data-zips/32342_GAP_1998_USBL_proof_of_concept_Trawlex_98_USBL_d)

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

unknown

**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)*

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.*