

*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:**

Flynet Trouser Trawl Turtle Excluder Device Testing

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

In 1994, the National Marine Fisheries Service Northeast Fisheries Observer Program documented sea turtle bycatch in the Atlantic croaker (*Micropogonias undulatus*) and weakfish (*Cynoscion regalis*) trawl fishery off North Carolina. The fishery utilized a high opening bottom trawl locally known as a “flynet.” In 1998, the NMFS Southeast Fisheries Science Center Mississippi Laboratories initiated research to develop a Turtle Excluder Device (TED) for the flynet fishery. Over the next 10 years, numerous prototype designs were trialed to determine feasibility of use in the fishery. During the 2008 and 2009 fishing seasons a specialized TED, the Flexible Flatbar Flynet TED, developed specifically for the flynet fishery was tested for catch retention and bycatch reduction. Due to the highly variable catch rates in the fishery, a standard flynet was modified to utilize the “trouser trawl” comparative testing technique. The objectives of the study were to quantify the target and bycatch species catch loss associated with TED use in the Atlantic croaker targeted flynet fishery operating off North Carolina. In addition, usability testing was carried out to identify handling problems and specialized handling techniques required when using TEDs in this fishery. The study was carried out aboard a contracted commercial vessel operating along the North Carolina coast. Tow level data were collected and included; date, vessel identifier, TED position (port or starboard), target species, total catch, target catch, and bycatch. Start and end location, time, depth, and temperature were also collected. Data were used to determine TED efficiency with regard to target catch.

### **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:**

2008 to 2009

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

W: -75.833333333333, E: -75, N: 36.5, S: 35.166666666667

North Carolina

**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:**

Jeff Gearhart

**2.2. Title:**

Metadata Contact

**2.3. Affiliation or facility:**

**2.4. E-mail address:**

jeff.gearhart@noaa.gov

**2.5. Phone number:**

228-549-1764

**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:**

Jeff Gearhart

**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:

Trawl catch is sorted to finfish taxa. Catch and length frequency data are recorded onto datasheets. Datasheets were checked in the field after sampling and data were checked after data entry. The principal investigators review the data for content to ensure the relevance/accuracy of data collected. Data prior to 2007 is in paper format and data from 2008 to present is in access database.

**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):**

After collection, data is reviewed for accuracy and completeness by the principal investigator.

**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/30064>

#### **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:**

Southeast Fisheries Science Center (SEFSC)

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

Yes

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

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

Some information contained within the data are confidential and protected under FOIA Exemption 4: Trade Secrets, Commercial or Financial Information, see 5 U.S.C. 552(b)(4). These data are released after aggregation, to protect confidentiality.

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

30 days

**7.4.1. If delay is longer than latency of automated processing, indicate under what authority data access is delayed:**

## 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\_MS

#### 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):

Mississippi Laboratory - Pascagoula, MS

### 8.3. Approximate delay between data collection and submission to an archive facility:

365 days

### 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*

Data resides on Networked Attached Storage (NAS) environment. Security patches/updates are immediately applied to the host environment. Data is stripped/mirrored using RAID 50 technology to protect data from disk failure. Nightly backups are performed and files are written to magnetic tape and stored in an onsite / offsite location.

## 9. Additional Line Office or Staff Office Questions

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