

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:

Multi-stakeholder engagement around territorial bottomfish stock assessment:  
Perspectives from Hawai'i and Guam

### 1.2. Summary description of the data:

This dataset includes qualitative interview data aggregated and entered into an excel csv file. We collected data by observing virtual Council-hosted meetings and conducting virtual unstructured interviews from September 2020 to July 2021. Interviewees were selected either for A) their participation in the 2015-16 Hawai'i bottomfish commercial fishery data workshops, or B) their knowledge of, contribution to, or direct participation in Guam's bottomfish fisheries, fishery operations and data collection, stock assessment science, and subsequent management. Participants were identified through the 2015-16 workshop attendee list (Yau 2018) and the lead author's points of contact within the National Marine Fisheries Service (NMFS), the Western Pacific Regional Fishery Management Council (WPRFMC), the Guam Division of Aquatics and Wildlife Resources (DAWR), and Guam and Hawai'i fishing communities. Additional participants were identified through participant referral. A total of 42 stakeholders were interviewed. Data from interviews and participant observations were coded to track themes that emerged from the data. Data were coded to capture and organize themes relevant to multi-stakeholder engagement processes and the relationship between bottomfish fisheries, science, and management.

### 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:

2020 to 2021

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

Hawaii; Guam; American Samoa

### 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:**

Mia Iwane

**2.2. Title:**

Metadata Contact

**2.3. Affiliation or facility:**

**2.4. E-mail address:**

mia.iwane@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:**

Mia Iwane

**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"):**

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:

This dataset includes qualitative interview data aggregated and entered into an excel csv file. We conducted unstructured interviews with 42 stakeholders from fishing communities, the Western Pacific Regional Fishery Management Council, Guam Division of Aquatics and Wildlife Resources, PIRO, and PIFSC based out of Hawaii and Guam between September 2020 and July 2021. We used a mixture of key informant, purposive, and snowball sampling. Interviews were conducted in the English, the primary language of all interviewees. Interviews focused on the interviewee's relationship to bottomfish fisheries, their stock assessment, and management; experience with multi-stakeholder engagement around bottomfish fisheries; valuable engagement outcomes and goals; preferred engagement processes and venues; and expected challenges. An interview guide provided a general framework with which to conduct unstructured interviews, but interviewees were encouraged to introduce and elaborate on topics relevant to their expertise or perspective.

Process Steps:

- Data were coded into a coding structure that has 20 umbrella nodes, with up to four generations of child nodes.

**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):

## 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)
- 5.2. Quality control procedures employed

- 7.4. Approximate delay between data collection and dissemination
- 8.3. Approximate delay between data collection and submission to an archive facility

**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/65766>

**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:**

Pacific Islands Fisheries Science Center (PIFSC)

**7.2.1. If data hosting service is needed, please indicate:****7.2.2. URL of data access service, if known:****7.3. Data access methods or services offered:**

contact Point of Contact or Data Steward

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

**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)*

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):**

Pacific Islands Fisheries Science Center - Honolulu, HI

Main Hawaiian Islands

**8.3. Approximate delay between data collection and submission to an archive facility:****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 are currently stored on secured network drives at PIFSC, maintained by PIFSC IT services

**9. Additional Line Office or Staff Office Questions**

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