

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:

Use of stable isotope analysis to determine of the timing of ontogenic habitat shifts

1.2. Summary description of the data:

SAIP funding for stable isotope research was provided in FY11 and FY13; the FY11 funding was for loggerhead turtles (described below) as opposed to green turtles in FY13. A total of 35 humerus bones from North Pacific loggerheads have been collected from turtles stranded at Playa San Lazaro on the west coast of Baja California Peninsula, Mexico. Turtle body size ranged from 45-88cm CCL. These bones have been processed for skeletochronology, and bone annual growth layers have been sequentially sampled for stable isotope analysis of both carbon and nitrogen. Over 200 individual annual growth layers have been sampled, with 4 - 9 annual layers being sampled per bone. For all annual bone layers sampled, median stable nitrogen value (d15N) was 14.82 permil and ranged from 9.86-20.55 permil; median stable carbon value (d13C) was -16.39 permil and values ranged from -21.05 to -14.20 permil. While analysis is still underway, trends show an increase in stable nitrogen values with increasing turtle body size. This trend provides evidence of a habitat shift from a low-nitrogen oceanic habitat, to a higher-nitrogen nearshore habitat. Nitrogen and carbon isotope values of annual growth layers with corresponding body size less than 45cm CCL are significantly lower than the isotope values of growth layers corresponding to body sizes greater than 45cm CCL (d15N $p < 0.0001$; d13C $p = 0.004$). The timing of this shift in habitat use corresponds with previous demographic size-class distribution data of this population, and additional funding has been sought to further understand the timing and implications of habitat use.

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:

2010-10 to 2011-09

1.5. Actual or planned geographic coverage of the data:

W: -180, E: -60, N: 45, S: 0

1.6. Type(s) of data:

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

Instrument: Finnegan MAT Deltaplus Mass Spectrometer, at times linked with a CM-2 Miro-sampler

Platform: laboratory bench

Physical Collection / Fishing Gear: small boat entanglement netting, manual capture, terrestrial

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:**

Tomoo Eguchi

2.2. Title:

Metadata Contact

2.3. Affiliation or facility:

Southwest Fisheries Science Center

2.4. E-mail address:

Tomoo.Eguchi@noaa.gov

2.5. Phone number:

(858) 546-5615

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:

Tomoo Eguchi

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:

Data are checked for errors and stored in a secure server.

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 data included in this data set are raw data. I.e. they have not been QA/QC'd

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?

Yes

6.1.1. If metadata are non-existent or non-compliant, please explain:**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://inport.nmfs.noaa.gov/inport/item/21743>

6.4. Process for producing and maintaining metadata

(describe or provide URL of description):

Metadata produced and maintained in accordance with the NMFS Data Documentation

Procedural Directive: <https://inport.nmfs.noaa.gov/inport/downloads/data-documentation-procedural-directive.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:

Southwest Fisheries Science Center

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

7.2.2. URL of data access service, if known:

<http://swfsc.noaa.gov/prd-turtles.aspx>

7.3. Data access methods or services offered:

Contact the PI

7.4. Approximate delay between data collection and dissemination:

> 1 year

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:

We are currently determining what is the best data repository for stable isotope data so as to allow for maximum dissemination potential.

8.2. Data storage facility prior to being sent to an archive facility (if any):

Southwest Fisheries Science Center - La Jolla, CA

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

6 months

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 stored in a secure server.

9. Additional Line Office or Staff Office Questions

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