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:

Pacific Reef Assessment and Monitoring Program: Rapid Ecological Assessments of Fish Belt Transect Surveys (BLT) at Coral Reef Sites across the Pacific Ocean from 2000 to 2009

1.2. Summary description of the data:

Belt transects (BLT) is one of the non-invasive underwater-survey methods to enumerate the diverse components of diurnally active shallow-water reef fish assemblages. At each REA survey sites, BLT fish surveys are conducted along 3 consecutively-placed, 25m transect lines to quantify relatively small-bodied and abundant fishes. A pair of scuba diver-observers conducts parallel swims along the transect lines, recording size-class specific counts of all fishes encountered, to species-level where possible, within visually estimated but defined belt widths: 4 m wide for fishes > 20 cm TL (100 m2 area) on the initial swim-out, and 2 m wide for fishes < 20 cm TL (50 m2 area) on the subsequent swim back. Transects lines are typically set at depths of 10-15 m. Reef ledges and holes are visually searched. Stations are completed on all sides of the island/atoll, weather and sea conditions permitting. Raw survey data included species level abundance estimates.

Reef fish and benthic estimate data collected during BLT surveys can be accessed online via the NOAA National Centers for Environmental Information (NCEI) Ocean Archive.

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:

2006-02-11 to 2006-03-08, 2008-02-18 to 2008-03-18, 2004-02-04 to 2004-02-25, 2002-02-09 to 2002-03-03, 2006-07-27 to 2006-08-19, 2005-02-24 to 2005-03-05, 2008-10-17 to 2008-11-13, 2004-09-16 to 2004-10-11, 2006-09-03 to 2006-10-01, 2008-09-14 to 2008-10-09, 2003-07-14 to 2003-08-08, 2000-09-09 to 2000-10-05, 2001-09-13 to 2001-09-24, 2002-09-10 to 2002-10-04, 2005-07-14 to 2005-08-06, 2007-05-12 to 2007-05-22, 2007-05-25 to 2007-06-08, 2009-04-05 to 2009-04-14, 2009-04-18 to 2009-05-05, 2003-08-22 to 2003-09-28, 2005-09-04 to 2005-09-30, 2005-10-03 to 2005-10-08, 2006-01-18 to 2006-02-01, 2006-03-20 to 2006-04-03,

2007-04-30 to 2007-05-03, 2008-01-27 to 2008-02-09, 2008-03-26 to 2008-04-07, 2009-03-22 to 2009-03-26, 2004-01-12 to 2004-01-24, 2004-03-26 to 2004-04-04, 2005-10-18 to 2005-10-22, 2001-02-07 to 2001-02-23, 2002-01-29 to 2002-03-19

1.5. Actual or planned geographic coverage of the data:

W: -171.09225, E: -168.13792, N: -11.04588, S: -14.560017
American Samoa

W: -160.545217, E: -154.8178, N: 22.244967, S: 18.91465
Main Hawaiian Islands

W: -178.378433, E: -161.92992, N: 28.456708, S: 23.055
Northwestern Hawaiian Islands

W: 142.75887, E: 145.85093, N: 20.5532, S: 12.8113
Mariana Archipelago

W: -176.62707, E: -159.9731, N: 16.78817, S: -0.3825
Pacific Remote Island Areas (excluding Wake Atoll)

W: 166.59378, E: 166.65736, N: 19.3254, S: 19.27116
Wake Atoll

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.)
Instrument: Not applicable
Platform: Not applicable
Physical Collection / Fishing Gear: Not applicable

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:

Annette M DesRochers

2.2. Title:

Metadata Contact

2.3. Affiliation or facility:

2.4. E-mail address:
annette.desrochers@noaa.gov

2.5. Phone number:
(808)725-5461

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:
Paula M Ayotte

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:
REQUIRED

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):
Observations, including species identification and sizing, are periodically checked during expeditions for consistency between divers. Data entry is usually conducted on the same day as the survey. All data has been run through quality control checks by the data management team before the data were migrated to the Oracle database. Given the

size of the data set, there remains some possibility of typographical or other errors.

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://www.fisheries.noaa.gov/inport/item/5565

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

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:

Ocean Biogeographic Information System (OBIS)

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

7.2.2. URL of data access service, if known:
http://accession.nodc.noaa.gov/0162462
https://mapper.obis.org/?datasetid=a54a77db-7b42-4101-8d71-1adec3dd4ed5

7.3. Data access methods or services offered:
Data can be accessed online via the NOAA National Centers for Environmental Information (NCEI) Ocean Archive.

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:

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):
Pacific Islands Fisheries Science Center - Honolulu, HI

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
NOAA IRC and NOAA Fisheries ITS resources and assets.

9. Additional Line Office or Staff Office Questions

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