

*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:**

CRCP-Comparative status of extant *Acropora cervicornis* NCEI Accession 0127933

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

This project was funded for two years by CRCP (FY13-14) and built upon one year of pilot work conducted in FY12 funded by NMFS-SEFSC and SERO as an NRC postdoctoral research fellowship (Huntington). The goals of the project were to characterize natural, robust *Acropora cervicornis* populations in different regions, including various aspects of *A. cervicornis* condition, function (growth and tissue condition), and resident fish assemblages. To this end, we conducted surveys at sites in four regions (i.e., Dry Tortugas, Southeast Florida, Belize, USVI) designed to span the range of natural *A. cervicornis* density present each region. In addition, we conducted similar surveys within restored populations of at two sites in Puerto Rico with high density restored populations. Lastly, we undertook three hypothesis-driven studies in the Dry Tortugas region only, to investigate the potential for positive feedbacks between the sheltering reef fish community and high density stands of *A. cervicornis*. A macroalgal bioassay was used to determine the relative bioavailability of nutrients in the water surrounding high density versus low density stands of *A. cervicornis*. Wild tissue collections of *A. cervicornis* occurred at these same sites to compare nutrient concentration and zooxanthellae density within colonies.

### **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:**

2013-05-25 to 2014-07-28, 2014-05-24 to 2014-05-28, 2012-04-05 to 2014-07-22, 2012 to 2014-07-21, 2014-06, 2012 to 2014, 2012 to 2014, 2012 to 2014, 2012 to 2014, 2012 to 2014

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

W: -87.787583, E: -64.96138, N: 25.96053, S: 16.85335

Florida, Puerto Rico, U.S. Virgin Islands, Belize

W: -82.874629, E: -64.78653, N: 25.856518, S: 17.797612

Gulf Of Mexico, Caribbean Sea, And U.S. South Atlantic Ocean

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**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:**

Brittany Huntington

**2.2. Title:**

Metadata Contact

**2.3. Affiliation or facility:**

**2.4. E-mail address:**

brittany.huntington@noaa.gov

**2.5. Phone number:**

(808)725-5438

**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:**

Brittany Huntington

**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"):**

N/A

**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):*

Process Steps:

- data entered from field data sheets into spreadsheets

**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):**

Huntington, Brittany E., and Margaret W. Miller. Location-Specific Metrics for Rapidly Estimating the Abundance and Condition of the Threatened Coral *Acropora cervicornis*. *Restoration ecology* 22.3 (2014): 299-303.

**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/24307>

**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:**

NOAA National Centers for Environmental Information (NCEI)

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

No

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

<https://www.ncei.noaa.gov/archive/archive-management-system/OAS/bin/prd/jquery/accession/download>

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

Available from NCEI archive, NODC Accession Number 0127933

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

Already disseminated

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

N/A

**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):**

National Centers for Environmental Information - Silver Spring, Maryland - Silver Spring, MD

NCEI Archive

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

365

**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*

N/A

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

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