

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:

Beach Nourishment Projects

1.2. Summary description of the data:

Beach Nourishment projects occur throughout coastal states in the United States. These projects can be privately, federally or state funded. Material used in nourishment comes from a variety of sources (inland sources, dredged navigational channels or offshore sites). These data combine historical data compiled in the Western Carolina University Beach Nourishment Viewer database, as well as the National Beach Nourishment Database generated by the American Shore and Beach Preservation Association. The data contain attribute information on the general location of sand placement, primary funding source and funding type, volume of sediment emplacement (in cubic yards), length of beach nourished (in feet) and cost and inflated cost for over 2,000 beach nourishment episodes dating back to 1920.

1.3. Is this a one-time data collection, or an ongoing series of measurements?

1.4. Actual or planned temporal coverage of the data:

1.5. Actual or planned geographic coverage of the data:

W: -165.431308, E: -69.932613, N: 64.4977, S: 20.907669

1.6. Type(s) of data:

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

NOAA Office for Coastal Management (NOAA/OCM)

2.2. Title:

Metadata Contact

2.3. Affiliation or facility:

NOAA Office for Coastal Management (NOAA/OCM)

2.4. E-mail address:

coastal.info@noaa.gov

2.5. Phone number:

(843) 740-1202

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:**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?**4.2. Approximate percentage of the budget for these data devoted to data management (specify percentage or "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):

Process Steps:

- 2020-01-01 00:00:00 - Data Processing Steps 1: Collating Information 1. 'Master' Database was downloaded from Western Carolina University's Beach Nourishment website: <http://beachnourishment.wcu.edu/glossary#downloads> 2. This database was in Excel format the Data Tabs that were used: 'All Projects' & 'NJ 2000-2012' 3. 'All Projects' tab contained Latitude and Longitude 4. 'NJ 2000-2012' tab contained Points for start and finish locations of Beach Nourishment Projects. The centroid of these lines were used for Latitude and Longitude in our eventual completed database. 5. This data was compared with the data from the online 'National Beach Nourishment Database' <https://gim2.aptim.com/ASBPANationwideRenourishment/> 6. 2016-2018 data that was not contained in the Western Carolina University's Beach Nourishments website was collected from this NBND. 7. These data were then combined into one resulting point data excel sheet for import to ArcGIS. 8. Update January 2020: Accessed BOEM: Marine Minerals Program for Beach Placement, and added additional beach placement to overall database: metadata for BOEM: <https://mmis.doi.gov/boemmmis/metadata/PlanningAndAdministration/BeachPlacement.xml>

- 2020-01-01 00:00:00 - Data Processing Step 2: NOAA NOS NCCOS Data Processing 1. Once data were combined into one point data excel sheet, they were imported as a .CSV file into ArcGIS 10.7. 2. Data were checked for consistency across data sets. Main attributes include number of nourishments at a given location (date range: 1920 through 2019), and in most cases, the volume of sand used during each nourishment event, and the total cost associated with the project are also reported. 3. NCCOS team decided to show differences among sites visually by using the frequency of nourishment events over time, as this was the most consistently reported parameter. 4. An additional attribute field was then created, Cnt_Latitu: Alias 'Count', which is the total number of nourishments for each particular site. This will be the column in which the layer file is based for proper display for online products. 5. Graduated proportional symbology was used to visualize areas with higher frequency of nourishment events relative to others in the data set. 6. The layer was then classified using 5 classes and Natural breaks (Jenks) Graduated Quantiles. Relative comparisons were made among the different types of statistical breakdown before natural breaks were used during classification. 7. Efforts were made to collect data from the Pacific Island Territories, as well as U.S. Virgin Islands and Puerto Rico, but no reliable data source was identified at this time (2/25/2020).

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:

- 1.3. Is this a one-time data collection, or an ongoing series of measurements?
- 1.4. Actual or planned temporal coverage of the data
- 1.7. Data collection method(s)
- 3.1. Responsible Party for Data Management
- 4.1. Have resources for management of these data been identified?
- 4.2. Approximate percentage of the budget for these data devoted to data management
- 5.2. Quality control procedures employed
- 7.1. Do these data comply with the Data Access directive?
- 7.1.1. If data are not available or has limitations, has a Waiver been filed?
- 7.1.2. If there are limitations to data access, describe how data are protected
- 7.3. Data access methods or services offered
- 7.4. Approximate delay between data collection and dissemination
- 8.1. Actual or planned long-term data archive location
- 8.2. Data storage facility prior to being sent to an archive facility
- 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?

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/59711>

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-](https://nosc.noaa.gov/EDMC/DAARWG/docs/EDMC_PD-Data_Documentation_v1.pdf)

[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?

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:

Office for Coastal Management (OCM)

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

7.2.2. URL of data access service, if known:

<ftp://ftp.coast.noaa.gov/pub/MSP/ORT/BeachNourishmentProjects.zip>

<https://coast.noaa.gov/arcgis/rest/services/OceanReportingTool/BeachNourishmentProjects/MapServer>

7.3. Data access methods or services offered:

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)

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):

Charleston, SC

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

9. Additional Line Office or Staff Office Questions

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