

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:

Anchorage

1.2. Summary description of the data:

Anchorage are well-defined navigable waters where a vessel may safely drop anchor. The size, shape, and conditions for use of these areas can vary widely. Generally, anchorages are not used for an indefinite duration, nor are they routinely used for maintenance, repair, overhaul, bunkering, or sea trials.

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:

2023-10

1.5. Actual or planned geographic coverage of the data:

W: -161, E: 146, N: 61, S: 16

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:**2.2. Title:**

Metadata Contact

2.3. Affiliation or facility:**2.4. E-mail address:****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:**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:

- 2017-06-01 00:00:00 - 1. Go to <http://www.gpo.gov/fdsys/pkg/CFR-2016-title33-vol1/pdf/CFR-2016-title33-vol1-chapI.pdf>, <http://www.gpo.gov/fdsys/pkg/CFR-2016-title33-vol2/pdf/CFR-2016-title33-vol2-chapI.pdf> & <http://www.gpo.gov/fdsys/pkg/CFR-2016-title33-vol3/pdf/CFR-2016-title33-vol3-chapIV.pdf> and record all anchorage area info into a spreadsheet including lat/long data
2. Import sheet into ArcGIS, convert to xy coordinates, and export as a point feature class
3. Convert point feature class to

polygon by connecting corner coordinates and joining attribute info NOTE: Areas from the following locations were not included, as they are all inland locations: Section 110.127 Lake Mohave and Lake Mead, NV and AZ Section 110.127a Lake Powell, UT-AZ Section 110.127b Flaming Gorge Lake, WY-UT Section 110.72c Lake Murray, SC 4. Go to <https://encdirect.noaa.gov/> and download the following at full extent: Approach_Anchor_Berth_area, Approach_Anchor_Berth_point Approach_Anchorage_Area, Approach_Anchorage_Area_point Coastal_Anchorage_Area, Coastal_Anchorage_Area_point General_Anchorage_Area, General_Anchorage_Area_point Harbour_Anchor_Berth_area, Harbour_Anchor_Berth_point Harbour_Anchorage_Area, Harbour_Anchorage_Area_point Berthing_Anchorage_Area Overview_Anchorage_Area_point 5. Import all of the polygon layers into a single feature class and the point layers into a separate feature class 6. Buffer the point features to 500 feet 7. Compare between the layers, removing duplicates, and compare to NOAA_RNC continuous raster at ArcGIS on seamlessrnc.nauticalcharts.noaa.gov as a guide 8. Union the polygon and point feature classes with the CFR feature class and merge and combine features where overlap occurs, again giving the CFR features the most importance 9. Fill in any missing attributes using RNC info 10. Delete all superfluous fields 11. Check geometry and project data into WGS 1984 Auxiliary Sphere

- 2023-08-01 00:00:00 - 1. Review existing geometry to determine which features should be re-created from the CFR. 2. Within a new feature class, add existing features or create new features, in the order these are listed within section 110 of the latest available CFR. 3. In two cases (110.128, Columbia River, OR and 110.168(a)(5)(iii), Hampton Roads, VA), the RNC was used since it was the more reliable source.

4. Update or add attributes as features are created. 5. Features from the CFR that are not part of this data set include: 5a. The 14 features (for 110.127 Lake Mohave and Lake Mead, Nevada and Arizona) were not created, since there are no nautical charts or shorelines to assist with the generation of geometry. 5b. The 6 features (for 110.127a Lake Powell, Utah-Arizona) were not created, since there are no nautical charts or shorelines to assist with the generation of geometry. 5c. The 4 features (for 110.127b Flaming Gorge Lake, Wyoming-Utah) were not created, since there are no nautical charts or shorelines to assist with the generation of geometry. 6. Use the U.S. State Submerged Lands data set to create features outside CONUS (e.g. 110.129 in Hawaii). 7. It was discovered that not all new CFR features (since the last data update) were reflected by their respective currentness date in the CFR (e.g. 110.157a 19 and 20, which still showed a date of 12/12/1967, or 110.195a 34-37, which still showed a date of 10/8/1981). 8. Check Geometry for Esri and OGC validation.

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)
- 2.1. Point of Contact Name
- 2.4. Point of Contact Email
- 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
- 7.2. Name of organization of facility providing data access
- 7.2.1. If data hosting service is needed, please indicate
- 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
- 8.3. 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/48849>

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?

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:

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

7.2.2. URL of data access service, if known:

<https://marinecadastre.gov/data/>

<https://marinecadastre.gov/downloads/data/mc/Anchorage.zip>

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):

Office for Coastal Management - 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.