

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:

Southwest Peninsular Florida 2016 ESI SOCECON Polygons, Line, Points

1.2. Summary description of the data:

This data set contains vector polygons for archaeological sites, vector lines for railways routes, and vector points for airports, beaches, EPA facilities, equipment storage, heliports, and staging locations in Southwest Peninsular Florida. Location specific type and source information are stored in relational data tables (described below) designed to be used in conjunction with this spatial data layer. ESI data characterize the marine and coastal environments and wildlife by their sensitivity to spilled oil. The ESI data include information for three main components: shoreline habitats, sensitive biological resources, and human-use resources.

This data set comprises a portion of the ESI data for Southwest Peninsular Florida. The entirety of the ESI Human-Use data layers consists of: PARKS-MANAGED AREAS Polygons; NAVIGATION-MARINE Points; POLITICAL-JURISDICTIONAL Polygons, Lines, Points; RESOURCE MANAGEMENT Polygons, Points; SOCECON Polygons, Lines, Points; and NATURAL HAZARD Polygons.

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:

2014 to 2016

1.5. Actual or planned geographic coverage of the data:

W: -84.0099, E: -80.721, N: 27.2699, S: 24.5018

This reflects the extent of all land and water features included in the overall Southwest Peninsular Florida ESI study region. The bounding box for this particular feature class may vary depending on occurrences identified and mapped.

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:**

ESI Program Manager

2.2. Title:

Metadata Contact

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

orr.esi@noaa.gov

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:

ESI Program Manager

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:

- 2017-02-01 00:00:00 - The SOCECON_POINT features (airports, beaches, EPA facilities, equipment storage, heliports, and staging locations) were selected from the complete dataset on FWRIs enterprise ArcSDE database that fell within the area of interest for the Southwest Florida ESI Atlas. , EPA facilities were downloaded from the EPA Open Data website (<https://catalog.data.gov/dataset/us-epa-region-4-rmp-facilities>) and features were selected within the area of interest for the Southwest Florida ESI Atlas. After the desired selection was exported to a working geodatabase, two fields were added to meet the new ESI schema. First the TYPE field was added as a text field with 4 characters and then the SOCVL field was added as text with 6 characters. The TYPE field was entered for all features based upon the standard human-use ESI digital format. Next the SOCVL field was calculated by concatenating the TYPE field and a sequential numbering scheme. Other data fields were turned off that did not match the ESI format and the data were imported into the final ESI feature dataset based upon the proper ESI Human-Use category (i.e. MANAGED, NAT_HAZARD, NAV_MARINE, POLITICAL, RESOURCE, SOCECON).
- 2017-02-01 00:00:00 - The SOCECON_LINE features (for rail routes and bridges) were selected from the complete dataset on FWRIs enterprise ArcSDE database that fell within the area of interest for the Southwest Florida ESI Atlas. After the desired selection was exported to a working geodatabase, two fields were added to meet the new ESI schema. First the TYPE field was added as a text field with 4 characters and then the SOCVL field was added as text with 6 characters. The TYPE field was entered for all features based upon the standard human-use ESI digital format. Next the SOCVL field was calculated by concatenating the TYPE field and a sequential numbering scheme. Other data fields were turned off that did not match the ESI format and the data were imported into the final ESI feature dataset based upon the proper ESI Human-Use category (i.e. MANAGED, NAT_HAZARD, NAV_MARINE, POLITICAL, RESOURCE, SOCECON).
- 2017-02-01 00:00:00 - In the first phase of compiling the FMSF GIS data layers for the SOCECON POLY features, site boundaries marked on the source maps were hand digitized by an outside contractor using AutoCAD and a digitizing tablet. The four corners (NAD27) of the source maps were used to place the reference system tics. The AutoCAD files were converted to Arc/Info files, converted into geographic coordinates and joined into a statewide coverage. The statewide coverage was then split into 67 county level Arc/Info coverages. The coverages were later converted to a statewide ArcGIS geodatabase in August 2003 and are now maintained in that format. In December 2014 the datum of the base data layer was translated from

NAD27 to WGS84 using ArcGIS 10.2.1 and a composite transformation (NAD27 to NAD83 NADCON & NAD83 to WGS84 ITRF00). Additions, updates, and maintenance to the archaeological GIS data layers are performed by Site File staff using on-screen digitizing in ArcMap. A combination of scanned, georeferenced, 1:24,000 scale USGS quadrangles and ESRI world imagery map services are used as the base maps for the on-screen digitizing process. In addition some data has been imported from outside sources, primarily for Florida State Parks and Eglin Air Force Base. County site files were merged into one file for the study area. Then the SOCVL and TYPE fields were added, along with their values. Centroids were taken from the original polygons and then those centroids were buffered by 500 ft.

- 2017-02-01 00:00:00 - The above digital and/or hardcopy sources were compiled by the project biologist to create the SOCECON_POINT data layer. Depending on the type of source data, three general approaches are used for compiling the data layer: 1) information gathered during initial interviews and from hardcopy sources are compiled onto U.S. Geological Survey 1:24,000 topographic quadrangles and digitized; 2) hardcopy maps are digitized at their source scale; 3) digital data layers are evaluated and used "as is" or integrated with the hardcopy data sources. See the Lineage section for additional information on the type of source data for this data layer. The ESI, biology, and human-use data are compiled into the standard ESI digital data format. A second set of interviews with participating resource experts are conducted to review the compiled data. If necessary, edits to the SOCECON_POINT data layer are made based on the recommendations of the resource experts, and final hardcopy maps and digital data are created.

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)

- 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
- 7.4. 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/54740>

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:

Office of Response and Restoration (ORR)

7.2.1. If data hosting service is needed, please indicate:**7.2.2. URL of data access service, if known:**

https://response.restoration.noaa.gov/esi_download

7.3. Data access methods or services offered:

Data can be accessed by downloading the zipped ArcGIS geodatabase from the Download URL (see Distribution Information). Questions can be directed to the ESI Program Manager (Point Of Contact).

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 of Response and Restoration - Seattle, WA

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.