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:
NCDDC Digital Atlas Fishery-Independent GIS Data

1.2. Summary description of the data:
Fishery-independent data from Southeast Fisheries Science Center Mississippi Laboratories (MSLabs) and the Southeast Area Monitoring and Assessment Program (SEAMAP) were used to generate spatial point and polygon maps of the occurrence, relative abundance and sampling effort for 20 selected species of invertebrates, fishes and sharks included in the NOAA Gulf of Mexico Data Atlas (http://gulfatlas.noaa.gov/). The Atlas provides information related to the physical environment, living marine resources and socioeconomic conditions in the Gulf of Mexico. Information is presented in the form of static map plates with descriptions written by recognized subject matter experts. The Southeast Fisheries Science Center Mississippi Laboratories (MSLabs) has conducted annual standardized resource surveys since the 1980s using various sampling gears, such as trawls, plankton nets, longlines, fish traps, vertical lines and video recording systems. The fishery-independent data collected during these surveys are used by the Center to support fisheries stock assessments and management activities. Surveys are conducted independently or cooperatively with the states of Texas, Louisiana, Mississippi, Alabama and Florida under the Southeast Area Monitoring and Assessment Program (SEAMAP). Occurrence, relative abundance and sampling effort for each species included in the Atlas were summarized from SEAMAP Fall Plankton (1986-2006), SEAMAP Summer and Fall Bottom Trawl (1987-2009), SEAMAP Reef Fish Video (1993-2009) and NMFS Bottom Longline (2000-2009) surveys. Species specific information may be documented for a single or multiple surveys dependent upon available data.

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:
1986 to 2009

1.5. Actual or planned geographic coverage of the data:
W: -98, E: -81, N: 31, S: 24
Gulf of Mexico

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:
David Hanisko

2.2. Title:
Metadata Contact

2.3. Affiliation or facility:

2.4. E-mail address:
david.s.hanisko@noaa.gov

2.5. Phone number:
228-549-1652

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:
David Hanisko

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"): 0

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:
   As specimens are collected, total number of individual fish by species and lengths are taken and recorded into the shipboard data collections system. At the end of each survey data are reviewed for accuracy/relevance by chief scientists. Specimens that cannot be identified during the survey are identified in the laboratory.

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):
   Validation routines are applied during data entry to ensure the integrity of data collected.

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/29556
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:
Southeast Fisheries Science Center (SEFSC)

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

7.2.2. URL of data access service, if known:
http://gulfatlas.noaa.gov/

7.3. Data access methods or services offered:
Contact the individual identified as the distributor for this dataset. Please include the title of the dataset and the name of the data steward when requesting a copy of this data.

7.4. Approximate delay between data collection and dissemination:
30 days

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_MS

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):
Mississippi Laboratory - Pascagoula, MS

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

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
Data resides on Networked Attached Storage (NAS) environment. Security patches/updates are immediately applied to the host environment. Data is stripped/mirrored using RAID 50 technology to protect data from disk failure. Nightly backups are performed and files are written to magnetic tape and stored in an onsite/offsite location.

9. Additional Line Office or Staff Office Questions
Line and Staff Offices may extend this template by inserting additional questions in this section.