Delaware Special Management Zone Areas

Identification **>**

CITATION

CITATION INFORMATION ORIGINATOR NOAA Fisheries Greater Atlantic Regional Fisheries Office PUBLICATION DATE 2018-07-20 TITLE Delaware Special Management Zone Areas PUBLICATION INFORMATION PUBLICATION PLACE Gloucester, MA PUBLISHER NOAA National Marine Fisheries Service (NMFS) - Greater Atlantic Regional Fisheries Office (GARFO) ONLINE LINKAGE http://www.greateratlantic.fisheries.noaa.gov/gis ONLINE LINKAGE http://www.greateratlantic.fisheries.noaa.gov/

DESCRIPTION

ABSTRACT

This dataset depicts the boundaries of the Delaware Special Management Zone Areas in ESRI shapefile format for the NOAA Fisheries Service's Greater Atlantic Regional Fisheries Office (GARFO). This shapefile includes boundaries for the following Regulated Areas:

- Delaware Artificial Reef #9;
- Delaware Artificial Reef #10;
- Delaware Artificial Reef #11;
- Delaware Artificial Reef #13

Because GIS projection and topology functions can change or generalize coordinates, these GIS files are considered to be approximate representations and are NOT an OFFICIAL record for the exact regulated area boundaries. For information on the official legal definition refer to the Use Constraints metadata section.

PURPOSE

Beginning in 2010 and in response to mounting requests for digital depictions of NMFS Regulated Areas in Northeast and Mid-Atlantic Waters (Regulated Areas), the NMFS Greater Atlantic Regional Fisheries Office (GARFO) Geographic Information Systems (GIS) Committee launched a project to standardize the development, publication and regular updating of GIS files depicting Regulated Area boundaries. This dataset is a product of that initiative.

This dataset was created to depict the boundaries of NMFS Regulated Areas in Northeast and Mid-Atlantic Waters (Regulated Areas) only. For information on the proper use of the dataset refer to the Use Constraints metadata section.

TIME PERIOD OF CONTENT TIME PERIOD INFORMATION SINGLE DATE/TIME CALENDAR DATE 2018-07-20 CURRENTNESS REFERENCE Publication date STATUS PROGRESS Complete MAINTENANCE AND UPDATE FREQUENCY As needed

Spatial Domain Bounding Coordinates West Bounding Coordinate -80 East Bounding Coordinate -64 North Bounding Coordinate 46 South Bounding Coordinate 32

KEYWORDS THEME THEME KEYWORD THESAURUS ISO 19115 Topic Category THEME KEYWORD boundaries THEME KEYWORD environment THEME KEYWORD location THEME KEYWORD oceans THEME KEYWORD planningCadastre

THEME

THEME KEYWORD THESAURUS EPA GIS Keyword Thesaurus THEME KEYWORD Biology THEME KEYWORD Compliance THEME KEYWORD Conservation THEME KEYWORD Ecology THEME KEYWORD Ecosystem THEME KEYWORD Environment THEME KEYWORD Human THEME KEYWORD Human THEME KEYWORD Management THEME KEYWORD Manine THEME KEYWORD Monitoring THEME KEYWORD Natural Resources THEME KEYWORD Permits THEME KEYWORD Regulatory THEME KEYWORD Water

THEME

THEME KEYWORD THESAURUS GARFO Keywords THEME KEYWORD Atlantic THEME KEYWORD EEZ THEME KEYWORD Exclusive Economic Zone THEME KEYWORD GARFO THEME KEYWORD Greater Atlantic Regional Fisheries Office THEME KEYWORD MAFMC THEME KEYWORD Magnuson-Stevens Act THEME KEYWORD Mid-Atlantic Fishery Management Council THEME KEYWORD MSA THEME KEYWORD National Marine Fisheries Service THEME KEYWORD National Oceanic and Atmospheric Administration THEME KEYWORD NMFS THEME KEYWORD NOAA THEME KEYWORD Summer Flounder, Scup, and Black Sea Bass THEME KEYWORD US EEZ

PLACE

PLACE KEYWORD THESAURUSNonePLACE KEYWORDUnited StatesPLACE KEYWORDAtlantic OceanPLACE KEYWORDGreater Atlantic RegionPLACE KEYWORDMid-AtlanticPLACE KEYWORDUS EEZPLACE KEYWORDUS Exclusive Economic Zone

ACCESS CONSTRAINTS

None.

USE CONSTRAINTS

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NOAA Fisheries Service. NMFS Regulated Areas in Northeast and Mid-Atlantic Waters. {SHAPEFILE TITLE} [Shapefile]. Gloucester, MA: National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries Service (NMFS), Greater Atlantic Regional Fisheries Office (GARFO) [producer] {SHAPEFILE PUBLICATION DATE}.

http://www.greateratlantic.fisheries.noaa.gov/gis.

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This dataset was created to depict the boundaries of NMFS Regulated Areas in Northeast and Mid-Atlantic Waters (Regulated Areas) only. The dataset should not be used for a legal definition. The dataset should not be used to infer information regarding the existence or details of other marine features or resources, including, but not limited to, navigable waters, coastlines, bathymetry, submerged features, or man-made structures. Users assume responsibility for determining the appropriate use of this dataset.

*** Not the Legal Definition *** This Geographic Information System (GIS) dataset is not the legal definition of the Regulated Area. The description published in the U.S. Code of Federal Regulations is the only legal definition. This dataset and metadata document provide a broad overview of a subset of applicable fishing regulations, restrictions and requirements; it is not a substitute for the actual regulations. Users are encouraged to read the applicable regulations in conjunction with use of this dataset.

*** Temporal Considerations *** Regulated Area boundary definitions are subject to change or modification. Published datasets may represent historic, current, or future Regulated Areas. When changes to fishing regulations affect this dataset, it will be archived and replaced by an updated version as soon as feasible. Approved Regulated Area boundaries may also be published prior to their effective date. It is the user's responsibility to ensure the applicable Regulated Area boundaries are being used.

*** Shorelines/Base Layers *** The accuracy of this dataset is dependent upon the accuracy and resolution of the datasets (e.g., shoreline, bathymetry, shared administrative boundaries) used in the creation process. Source datasets used are specified in the metadata. These data sources were selected for their suitability to a broad audience, and may not be suitable for specific uses requiring higher-resolution information.

Coastlines change. Unless otherwise noted, where the NOAA Medium Resolution Shoreline is used, assume the regulatory boundary reaches the most current coastline delineation available. POINT OF CONTACT

CONTACT INFORMATION

CONTACT PERSON PRIMARY CONTACT PERSON DOUG POTTS CONTACT ORGANIZATION NOAA Fisheries Service Greater Atlantic Regional Fisheries Office, Sustainable Fisheries Division CONTACT POSITION GIS Committee Sustainable Fisheries Representative CONTACT ADDRESS ADDRESS TYPE mailing and physical address ADDRESS 55 Great Republic Drive CITY Gloucester STATE OR PROVINCE MA POSTAL CODE 01930

CONTACT VOICE TELEPHONE 978-281-9341 CONTACT FACSIMILE TELEPHONE 978-281-9135 CONTACT ELECTRONIC MAIL ADDRESS douglas.potts@noaa.gov CONTACT INSTRUCTIONS http://www.greateratlantic.fisheries.noaa.gov/

SECURITY INFORMATION SECURITY CLASSIFICATION SYSTEM FIPS Pub 199 SECURITY CLASSIFICATION public SECURITY HANDLING DESCRIPTION Standard Technical Controls

Data Quality **>**

LOGICAL CONSISTENCY REPORT Check Geometry test has been performed in ArcGIS. COMPLETENESS REPORT Features represented are valid. No geometry problems were detected. POSITIONAL ACCURACY HORIZONTAL POSITIONAL ACCURACY HORIZONTAL POSITIONAL ACCURACY REPORT Data were collected using methods that are accurate to within 2-5 meters (EPA National Geospatial Data Policy [NGDP] Accuracy Tier 2). For more information, please see EPA's NGDP at http://epa.gov/geospatial/policies.html LINEAGE SOURCE INFORMATION

SOURCE INFORMATION SOURCE CITATION CITATION INFORMATION

ORIGINATOR Department of Commerce (DOC), National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries Service (NMFS) PUBLICATION DATE 2018-70-9 TITLE Electronic Code of Federal Regulations

EDITION Special Edition of the Federal Register

GEOSPATIAL DATA PRESENTATION FORM document

PUBLICATION INFORMATION

PUBLICATION PLACE Washington, DC

PUBLISHER Office of the Federal Register, National Archives and Records Administration and the Government Printing Office

OTHER CITATION DETAILS

The Electronic Code of Federal Regulations (e-CFR) is a current, daily updated version of the Code of Federal Regulations (CFR). It is not an official legal edition of the CFR. The e-CFR is an unofficial editorial compilation of CFR material and Federal Register amendments. Because the e-CFR is updated daily, the PUBLICATION DATE identified above refers to "e-CFR Data is current as of" date posted on the e-CFR website at the time the spatial definition was accessed online. ONLINE LINKAGE http://www.ecfr.gov

TYPE OF SOURCE MEDIA ONLINE SOURCE TIME PERIOD OF CONTENT TIME PERIOD INFORMATION SINGLE DATE/TIME CALENDAR DATE 2018-08-08 SOURCE CURRENTNESS REFERENCE publication date SOURCE CURTINESS REFERENCE publication date SOURCE CITATION ABBREVIATION e-CFR SOURCE CONTRIBUTION Spatial definitions for Regulated Area boundaries. PROCESS STEP

PROCESS DESCRIPTION

[Template Generation] Many NMFS Regulated Areas in Northeast and Mid-Atlantic Waters (Regulated Areas) share boundaries that are partially coincident with any combination of the following: 1) the U.S. Atlantic coastline; 2) the Submerged Lands Act boundary; 3) the U.S.-Canada Maritime Boundary in the Gulf of Maine; 4) the outward extent of the U.S. Exclusive Economic Zone (a.k.a. the "200-nautical mile line"). To standardize Regulated Area features sharing these boundaries, published shapefiles of the shared administrative boundaries were obtained from the authoritative agencies. A shoreline was selected that was suitable for general mapping purposes, freely and publicly available, of medium-resolution, and covering the extent of the U.S.. When necessary, the boundaries were transformed to NAD83. A series of template polygon shapefiles were then generated, using these authoritative boundaries as the outward extents of the polygon. All templates were generated in NAD83 geographic coordinate system. The templates created are: 1) Coast-to-EEZ: bounded by the coastline, the U.S.-Canada Maritime Boundary, the U.S. EEZ, and 81°W longitude off the southern extent of Florida (an arbitrary cut-off for the Atlantic); 2) Coast-to-SLA: bounded by the coastline, the U.S.-Canada Maritime Boundary, the Submerged Lands Act boundary, and 81°W longitude off the southern extent of Florida; 3) SLA-to-EEZ: bounded by the Submerged Lands Act boundary, the U.S.-Canada Maritime Boundary, the U.S. EEZ, and 81°W longitude off the southern extent of Florida. These templates were subsequently copied and edited, as needed by the Regulated Area spatial definitions.

PROCESS DATE 2013

PROCESS STEP

PROCESS DESCRIPTION

[Get Definition Text] The current legal spatial definition for the Regulated Area was copied from the e-CFR website. PROCESS DATE 2018

PROCESS STEP

PROCESS DESCRIPTION

[Features, No Template] If necessary, the coordinates of the Regulated Area were converted to Decimal Degrees. To generate the Regulated Area boundary in ArcGIS, these points were connected in the order specified in the spatial definition. When the spatial definition specified that points were connected by following a straight line, rhumb lines were constructed. When multiple Regulated Areas are a part of a larger grouping of related Regulated Areas, these steps were repeated to generate a unique feature for each Regulated Area and the features were then combined into a single shapefile. The file was projected to NAD83 Mercator Projection, and the boundaries were densified with consecutive vertices spaced no more than 10 nautical miles apart to preserve rhumb line paths in other coordinate systems. The file was projected back to the unprojected NAD83 coordinate system.

PROCESS DATE 2018

PROCESS STEP PROCESS DESCRIPTION [Add Attributes] The standardized attribute schema was applied to the shapefile, and the fields were defined.

PROCESS DATE 2018

PROCESS STEP

PROCESS DESCRIPTION

[Policy Review] The Regulated Area spatial definition text, shapefile geometry and attribute values were reviewed with policy staff to verify that the shapefile accurately depicted and described the intended boundaries.

PROCESS DATE 2018

PROCESS STEP

PROCESS DESCRIPTION

[Check Geometry] The ESRI ArcGIS Check Geometry tool was run on the shapefile to identify any geometry problems. If problems were encountered, they were reviewed and corrected. PROCESS DATE 2018

PROCESS STEP

PROCESS DESCRIPTION

[Metadata] A GARFO Regulated Area shapefile metadata template was developed using the EPA Metadata Editor v3.2. This template was applied and customized to reflect the specific characteristics of the given shapefile. The metadata was validated for FGDC CSDGM compliance. PROCESS DATE 2018

PROCESS STEP

PROCESS DESCRIPTION

[Final Review] The shapefile was reviewed by members of the GARFO GIS Committee, policy experts from the GARFO Division responsible for the Regulated Area, and General Counsel, according to the GARFO GIS Data Distribution Policy. PROCESS DATE 2018

PROCESS STEP

PROCESS DESCRIPTION

[Publication] The shapefile, with accompanying metadata, was uploaded for public download on the NOAA NMFS GARFO GIS website. PROCESS DATE 2018-07-20

Spatial Reference

HORIZONTAL COORDINATE SYSTEM DEFINITION GEOGRAPHIC LATITUDE RESOLUTION 0.000001 LONGITUDE RESOLUTION 0.000001 GEOGRAPHIC COORDINATE UNITS Decimal degrees

GEODETIC MODEL HORIZONTAL DATUM NAME North American Datum of 1983 ELLIPSOID NAME Geodetic Reference System 1980 SEMI-MAJOR AXIS 6378137.000000 DENOMINATOR OF FLATTENING RATIO 298.257222

ntities and Attributes **>**

DETAILED DESCRIPTION ENTITY TYPE ENTITY TYPE LABEL Regulated Area ENTITY TYPE DEFINITION NMFS Regulated Areas in Northeast and Mid-Atlantic Waters ENTITY TYPE DEFINITION SOURCE GARFO

ATTRIBUTE ATTRIBUTE LABEL FID ATTRIBUTE DEFINITION Internal feature number ATTRIBUTE DEFINITION SOURCE ESRI ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN System-generated internal feature number

ATTRIBUTE ATTRIBUTE LABEL Shape ATTRIBUTE DEFINITION Feature geometry ATTRIBUTE DEFINITION SOURCE ESRI ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Coordinate geometry

ATTRIBUTE ATTRIBUTE LABEL GARFO_ID ATTRIBUTE DEFINITION

A unique identifier used to identify and track this feature; a new GARFO_ID is generated for each version of a Regulated Area (i.e. whenever boundaries or attributes are changed, edited or updated) Attribute Definition Source GARFO Attribute Domain Values UNREPRESENTABLE DOMAIN System-generated number

ATTRIBUTE ATTRIBUTE LABEL AREANAME ATTRIBUTE DEFINITION Official name of the Regulated Area, usually the area name as printed in the CFR ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Free text name

Attribute Attribute Label COMMNAME Attribute Definition Most commonly used name. May be identical to AREANAME, an abbreviation of AREANAME, or a different name altogether. Attribute Definition Source GARFO Attribute Domain Values UNREPRESENTABLE DOMAIN Free text name

ATTRIBUTE ATTRIBUTE LABEL AREAGROUP ATTRIBUTE DEFINITION Specifies if the Regulated Area is part of a group of related areas ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Free text name

ATTRIBUTE ATTRIBUTE LABEL DESCRIBE ATTRIBUTE DEFINITION A brief description of the purpose of the Regulated Area ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Free text description

ATTRIBUTE ATTRIBUTE LABEL CFRTITLE ATTRIBUTE DEFINITION CFR Title citation where the Regulated Area is legally defined ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Free text name

ATTRIBUTE ATTRIBUTE LABEL CFRPT ATTRIBUTE DEFINITION CFR Part citation where the Regulated Area is legally defined ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Free text citation

ATTRIBUTE ATTRIBUTE LABEL CFRPTTXT ATTRIBUTE DEFINITION CFR Part citation header text ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Free text name

ATTRIBUTE ATTRIBUTE LABEL CFRSUB ATTRIBUTE DEFINITION CFR Subpart citation where the Regulated Area is legally defined ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Free text citation

ATTRIBUTE ATTRIBUTE LABEL CFRSUBTXT ATTRIBUTE DEFINITION CFR Subpart citation header text ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Free text name

ATTRIBUTE LABEL CFRSXN

ATTRIBUTE DEFINITION CFR Section citation where the Regulated Area is legally defined ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Free text citation

ATTRIBUTE ATTRIBUTE LABEL CFRSXNTXT ATTRIBUTE DEFINITION CFR Section citation header text ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Free text name

ATTRIBUTE ATTRIBUTE LABEL CFRPARA ATTRIBUTE DEFINITION CFR Paragraph citation where the Regulated Area is legally defined ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Free text citation

ATTRIBUTE ATTRIBUTE LABEL CFRPARATXT ATTRIBUTE DEFINITION CFR Paragraph citation header text ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Free text name

ATTRIBUTE

ATTRIBUTE LABEL FRCITE ATTRIBUTE DEFINITION Federal Register citation of original Regulated Area spatial definition, or last modification to the spatial definition, whichever is most recent. Refers to SPATIAL DEFINITION ONLY. Subsequent FR notices may have modified the requirements affecting waters within or outside this Regulated Area.

ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Free text name

ATTRIBUTE ATTRIBUTE LABEL FRDATE ATTRIBUTE DEFINITION Federal Register citation date of original Regulated Area spatial definition, or the last modification to the spatial definition, whichever is most recent. Refers to SPATIAL DEFINITION ONLY. Subsequent FR notices may have modified the requirements affecting waters within or outside this Regulated Area. ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Date ATTRIBUTE ATTRIBUTE LABEL EFFECTDATE ATTRIBUTE DEFINITION Date Regulated Area officially became law, or most recent modification ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Date ATTRIBUTE ATTRIBUTE LABEL SOURCE ATTRIBUTE DEFINITION If Regulated Area is defined in the CFR, this is the citation for the Amendment/Framework/etc. that established the area. If the Regulated Area is not defined in the CFR, this is the alternative source citation establishing the Regulated Area. ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Free text citation ATTRIBUTE ATTRIBUTE LABEL RECURST ATTRIBUTE DEFINITION Annually recurring date Regulated Area becomes active ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Date ATTRIBUTE ATTRIBUTE LABEL RECUREND **ATTRIBUTE DEFINITION** Annually recurring date Regulated Area becomes inactive ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Date ATTRIBUTE ATTRIBUTE LABEL GISAUTHOR ATTRIBUTE DEFINITION Name of the NOAA staff person who created the GIS feature ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Name ATTRIBUTE ATTRIBUTE LABEL CREATED ATTRIBUTE DEFINITION Creation date of the GIS feature ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Date ATTRIBUTE

ATTRIBUTE LABEL AREANOTES

ATTRIBUTE DEFINITION Miscellaneous notes regarding the Regulated Area or feature ATTRIBUTE DEFINITION SOURCE GARFO ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN Free text description

OVERVIEW DESCRIPTION

ENTITY AND ATTRIBUTE OVERVIEW

Entity Attributes provide reference information for the Regulated Areas represented. Attributes provide citations for the legal spatial definition and originating documents, and currentness information for each area.

ENTITY AND ATTRIBUTE DETAIL CITATION

FILEDS_Map.xlsx fully describes the Attribute Schema used for regulated area GIS data sets. To access this document, see the Contact Information.

Distribution Information

DISTRIBUTOR CONTACT INFORMATION CONTACT PERSON PRIMARY CONTACT PERSON Dean-Lorenz Szumylo CONTACT ORGANIZATION NOAA Fisheries Service Greater Atlantic Regional Fisheries Office, GIS Committee CONTACT POSITION GIS Specialist CONTACT ADDRESS ADDRESS TYPE mailing and physical address ADDRESS 55 Great Republic Drive CITY Gloucester STATE OR PROVINCE MA POSTAL CODE 01930

CONTACT VOICE TELEPHONE 978-282-8479 CONTACT FACSIMILE TELEPHONE 978-281-9333 CONTACT ELECTRONIC MAIL ADDRESS dean.szumylo@noaa.gov CONTACT INSTRUCTIONS http://www.greateratlantic.fisheries.noaa.gov/

RESOURCE DESCRIPTION Downloadable Data DISTRIBUTION LIABILITY

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Metadata Reference

METADATA DATE 2018-07-20 METADATA FUTURE REVIEW DATE 2022-07-20 METADATA CONTACT CONTACT INFORMATION CONTACT PERSON PRIMARY CONTACT PERSON Dean-Lorenz Szumylo CONTACT ORGANIZATION NOAA Fisheries Service Greater Atlantic Regional Fisheries Office, GIS Committee CONTACT POSITION GIS Specialist CONTACT ADDRESS ADDRESS TYPE mailing and physical address ADDRESS 55 Great Republic Drive CITY Gloucester STATE OR PROVINCE MA POSTAL CODE 01930

CONTACT VOICE TELEPHONE 978-282-8479 CONTACT FACSIMILE TELEPHONE 978-281-9333 CONTACT ELECTRONIC MAIL ADDRESS dean.szumylo@noaa.gov CONTACT INSTRUCTIONS http://www.greateratlantic.fisheries.noaa.gov/

METADATA STANDARD NAME FGDC Content Standard for Digital Geospatial Metadata METADATA STANDARD VERSION FGDC-STD-001-1998