

# Atlantic Halibut Accountability Measure Areas

## Identification ►

### CITATION

#### CITATION INFORMATION

ORIGINATOR NOAA Fisheries Greater Atlantic Regional Fisheries Office

PUBLICATION DATE 2018-07-20

#### TITLE

Atlantic Halibut Accountability Measure 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 Atlantic Halibut Accountability Measure 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:

- Atlantic Halibut Trawl Gear AM Area;
- Atlantic Halibut Gillnet Gear AM Area

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 Management  
THEME KEYWORD Marine  
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 Groundfish  
THEME KEYWORD Magnuson-Stevens Act  
THEME KEYWORD MSA  
THEME KEYWORD National Marine Fisheries Service  
THEME KEYWORD National Oceanic and Atmospheric Administration  
THEME KEYWORD NEFMC  
THEME KEYWORD New England Fishery Management Council  
THEME KEYWORD NMFS  
THEME KEYWORD NOAA  
THEME KEYWORD Northeast Multispecies  
THEME KEYWORD US EEZ

PLACE

PLACE KEYWORD THESAURUS None  
PLACE KEYWORD United States  
PLACE KEYWORD Atlantic Ocean  
PLACE KEYWORD Georges Bank  
PLACE KEYWORD Greater Atlantic Region  
PLACE KEYWORD Gulf of Maine  
PLACE KEYWORD New England  
PLACE KEYWORD Southern New England  
PLACE KEYWORD US EEZ  
PLACE KEYWORD US 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

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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

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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 CITATION

#### CITATION INFORMATION

ORIGINATOR Department of Commerce (DOC), National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries Service (NMFS)

PUBLICATION DATE 2018-05-01

#### 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) <http://www.ecfr.gov>

[TYPE OF SOURCE MEDIA](#) online

[SOURCE TIME PERIOD OF CONTENT](#)

[TIME PERIOD INFORMATION](#)

[SINGLE DATE/TIME](#)

[CALENDAR DATE](#) 2018-05-01

[SOURCE CURRENTNESS 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

#### GEODETTIC 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

## Entities 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

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

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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

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CONTACT POSITION GIS Specialist

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ADDRESS TYPE mailing and physical address

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CITY Gloucester

STATE OR PROVINCE MA

POSTAL CODE 01930

CONTACT VOICE TELEPHONE 978-282-8479

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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