

# Atlantic Sturgeon Critical Habitat River Lengths

## Identification ►

### CITATION

#### CITATION INFORMATION

ORIGINATOR NOAA Fisheries Greater Atlantic Regional Fisheries Office

PUBLICATION DATE 2017-11-15

#### TITLE

Atlantic Sturgeon Critical Habitat River Lengths

#### 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/>

ONLINE LINKAGE [http://sero.nmfs.noaa.gov/maps\\_gis\\_data/](http://sero.nmfs.noaa.gov/maps_gis_data/)

### DESCRIPTION

#### ABSTRACT

This dataset depicts the river lengths along which Critical Habitat has been designated for Atlantic Sturgeon. Critical habitat includes all of the river along the specified segment, from the ordinary high water mark of one riverbank to the ordinary high water mark of the opposing riverbank of the mainstem of the river. For clarification of the critical habitat definition, please refer to the maps and narrative descriptions in the CFR. It is a product of the NOAA Fisheries Service's Greater Atlantic Regional Fisheries Office (GARFO) and the Southeast Regional Office (SERO).

This shapefile includes boundaries for the following Regulated Areas:

- Critical Habitat for Gulf of Maine Distinct Population Segment of Atlantic Sturgeon: Penobscot River, Kennebec River, Androscoggin River, Piscataqua River, and Merrimack River;
- Critical Habitat for New York Bight Distinct Population Segment of Atlantic Sturgeon: Connecticut River, Housatonic River, Hudson River, and Delaware River;
- Critical Habitat for Chesapeake Bay Distinct Population Segment of Atlantic Sturgeon: Potomac River, Rappahannock River, York River, James River, and Nanticoke River;
- Critical Habitat for Carolina Distinct Population Segment of Atlantic Sturgeon: Roanoke River, Tar-Pamlico River, Neuse River, Cape Fear River, Pee Dee River, Black River, and Santee-Cooper Rivers;
- Critical Habitat for South Atlantic Distinct Population Segment of Atlantic Sturgeon: Edisto River, Combahee-Salkehatchie Rivers, Savannah River, Ogeechee River, Altamaha River, Satilla River, and St. Marys River.

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 Proposed 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, Mid-Atlantic, and South Atlantic Waters (Regulated Areas) only. For information on the proper use of the dataset refer to the Use Constraints metadata section.

[SUPPLEMENTAL INFORMATION](#)

Critical habitat includes all of the river along the specified segment, from the ordinary high water mark of one riverbank to the ordinary high water mark of the opposing riverbank of the mainstem river. For clarification of the critical habitat definition, please refer to the maps and narrative descriptions in the CFR.

[TIME PERIOD OF CONTENT](#)

[TIME PERIOD INFORMATION](#)

[SINGLE DATE/TIME](#)

[CALENDAR DATE](#) 2017-11-15

[CURRENTNESS REFERENCE](#)

**Publication date**

[STATUS](#)

[PROGRESS](#) Complete

[MAINTENANCE AND UPDATE FREQUENCY](#) As needed

[SPATIAL DOMAIN](#)

[BOUNDING COORDINATES](#)

[WEST BOUNDING COORDINATE](#) -85

[EAST BOUNDING COORDINATE](#) -67

[NORTH BOUNDING COORDINATE](#) 46

[SOUTH BOUNDING COORDINATE](#) 29

[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](#) Atlantic Sturgeon

[THEME KEYWORD](#) Critical Habitat

[THEME KEYWORD](#) Distinct Population Segment

THEME KEYWORD DPS  
THEME KEYWORD Endangered Species Act  
THEME KEYWORD ESA  
THEME KEYWORD GARFO  
THEME KEYWORD Greater Atlantic Regional Fisheries Office  
THEME KEYWORD National Marine Fisheries Service  
THEME KEYWORD National Oceanic and Atmospheric Administration  
THEME KEYWORD NMFS  
THEME KEYWORD NOAA  
THEME KEYWORD Section 7  
THEME KEYWORD SERO  
THEME KEYWORD Southeast Regional Office

PLACE

PLACE KEYWORD THESAURUS None  
PLACE KEYWORD Androscoggin River  
PLACE KEYWORD Atlantic Ocean  
PLACE KEYWORD Connecticut River  
PLACE KEYWORD Delaware River  
PLACE KEYWORD Greater Atlantic Region  
PLACE KEYWORD Housatonic River  
PLACE KEYWORD Hudson River  
PLACE KEYWORD James River  
PLACE KEYWORD Kennebec River  
PLACE KEYWORD Merrimack River  
PLACE KEYWORD Mid-Atlantic  
PLACE KEYWORD Nanticoke River  
PLACE KEYWORD New England  
PLACE KEYWORD Pamunkey River  
PLACE KEYWORD Penobscot River  
PLACE KEYWORD Piscataqua River  
PLACE KEYWORD Potomac River  
PLACE KEYWORD Rappahannock River  
PLACE KEYWORD United States  
PLACE KEYWORD York River  
PLACE KEYWORD Roanoke River  
PLACE KEYWORD Tar-Pamlico River  
PLACE KEYWORD Neuse River  
PLACE KEYWORD Cape Fear River  
PLACE KEYWORD Pee Dee River  
PLACE KEYWORD Black River  
PLACE KEYWORD Santee River  
PLACE KEYWORD Cooper River  
PLACE KEYWORD Edisto River  
PLACE KEYWORD Combahee River  
PLACE KEYWORD Salkehatchie River  
PLACE KEYWORD Savannah River  
PLACE KEYWORD Altamaha River  
PLACE KEYWORD Satilla River  
PLACE KEYWORD St. Marys River

ACCESS CONSTRAINTS

None.

USE CONSTRAINTS

\*\*\* Attribution \*\*\*

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Please cite Regulated Area datasets as follows, with the appropriate information substituted for all text in {CURLY BRACKETS}:

NOAA Fisheries Service. NMFS Regulated Areas in Northeast, Mid-Atlantic and Southeast Waters. {SHAPEFILE TITLE} [Shapefile]. Gloucester, MA or St. Petersburg, FL: National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries Service (NMFS), Greater Atlantic Regional Fisheries Office (GARFO) or Southeast Regional Office (SERO) [producer] {SHAPEFILE PUBLICATION DATE}. <http://www.greateratlantic.fisheries.noaa.gov/gis> or [http://sero.nmfs.noaa.gov/maps\\_gis\\_data/](http://sero.nmfs.noaa.gov/maps_gis_data/).

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This dataset was created to depict the boundaries of NMFS Regulated Areas in Northeast, Mid-Atlantic, and Southeast 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, critical habitat or essential fish habitat; 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, National Hydrographic Database, 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](#) Tara Trinko Lake

[CONTACT ORGANIZATION](#) NOAA Fisheries Service Greater Atlantic Regional Fisheries Office, Protected Resources Division

[CONTACT POSITION](#) GIS Committee Protected Resources 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](#) 978-282-8477

[CONTACT FACSIMILE TELEPHONE](#) 978-281-9394

[CONTACT ELECTRONIC MAIL ADDRESS](#) tara.trinko@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](#) 2017-09-18

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 2017-09-26

SOURCE CURRENTNESS REFERENCE

publication date

SOURCE CITATION ABBREVIATION

e-CFR

SOURCE CONTRIBUTION

Spatial definitions for Regulated Area boundaries.

SOURCE INFORMATION

SOURCE CITATION

CITATION INFORMATION

ORIGINATOR U.S. Geological Survey

PUBLICATION DATE 2009-07-13

TITLE

National Hydrography Dataset

EDITION Best (High) Resolution Flowlines

GEOSPATIAL DATA PRESENTATION FORM vector digital data

SERIES INFORMATION

SERIES NAME Flowlines

ISSUE IDENTIFICATION current

PUBLICATION INFORMATION

PUBLICATION PLACE Reston, Virginia

PUBLISHER U.S. Geological Survey

ONLINE LINKAGE <http://nhd.usgs.gov/data.html>

SOURCE SCALE DENOMINATOR 24000

TYPE OF SOURCE MEDIA digital download (ESRI shapefile)

SOURCE TIME PERIOD OF CONTENT

TIME PERIOD INFORMATION

SINGLE DATE/TIME

CALENDAR DATE 2009

SOURCE CURRENTNESS REFERENCE

ground condition

SOURCE CITATION ABBREVIATION

NHD

SOURCE CONTRIBUTION

This source river flowline was used to identify river lengths along which bank-to-bank Critical Habitat was designated. Other components of NHD (NHDArea polygons, typically) were used to identify the downstream limits (mouths) for critical habitat river lengths.

SOURCE INFORMATION

SOURCE CITATION

CITATION INFORMATION

ORIGINATOR U.S. Army Corps of Engineers, U.S. Army Corps of Engineers

PUBLICATION DATE 2014-04-22

TITLE

National Inventory of Dams

EDITION 1

GEOSPATIAL DATA PRESENTATION FORM vector digital data

PUBLICATION INFORMATION

PUBLICATION PLACE Washington, DC

PUBLISHER U.S. Army Corps of Engineers

ONLINE LINKAGE <http://nid.usace.army.mil/>

TYPE OF SOURCE MEDIA digital download (database)

SOURCE TIME PERIOD OF CONTENT

TIME PERIOD INFORMATION

SINGLE DATE/TIME

CALENDAR DATE 2011-05-01

SOURCE CURRENTNESS REFERENCE

publication date

SOURCE CITATION ABBREVIATION

NID

SOURCE CONTRIBUTION

This source dam location layer was used to identify upstream limits of some Atlantic Sturgeon critical habitat.

SOURCE INFORMATION

SOURCE CITATION

CITATION INFORMATION

ORIGINATOR ESRI

PUBLICATION DATE 2005

TITLE

U.S. Major Highways

GEOSPATIAL DATA PRESENTATION FORM vector digital data

SERIES INFORMATION

SERIES NAME ESRI Data & Maps

ISSUE IDENTIFICATION 2005

PUBLICATION INFORMATION

PUBLICATION PLACE Redlands, CA

PUBLISHER ESRI

ONLINE LINKAGE <http://www.arcgis.com/>

SOURCE SCALE DENOMINATOR 100000

TYPE OF SOURCE MEDIA digital download (ESRI shapefile)

SOURCE TIME PERIOD OF CONTENT

TIME PERIOD INFORMATION

SINGLE DATE/TIME

CALENDAR DATE 2005

SOURCE CURRENTNESS REFERENCE

publication date

SOURCE CITATION ABBREVIATION

Major Highways

SOURCE CONTRIBUTION

This source highway location layer was used to identify upstream limits of some Atlantic sturgeon critical habitat.

PROCESS STEP

PROCESS DESCRIPTION

[Get Definition Text] The spatial definition (text and map) for Critical Habitat was copied from the Federal Register.

PROCESS DATE 2017

PROCESS STEP

PROCESS DESCRIPTION

[Extract features] To generate the Critical Habitat river lengths, we extracted relevant river lines segments from the NHDFlowline feature class. Flowlines through relevant major tributaries or bays/estuaries were also included. We merged flowlines into a single feature for each Critical Habitat unit. We used the location of NID dams and Major Highways to clip the features at the appropriate upstream limits. We clipped flowline features at their downstream limit based on consultation with NOAA biologists. The lines represent the length of the river along which bank-to-bank Critical Habitat was designated.

PROCESS DATE 2017

PROCESS STEP

PROCESS DESCRIPTION

[Downstream Limits] Some downstream limits to Critical Habitat are located where river mouths are ambiguous, or where rivers flow into other water bodies not included in the Critical Habitat designation. To clarify the downstream limits of Critical Habitat we delineated bank-to-bank transects at the end of each river length feature, in consultation with NOAA biologists.

PROCESS DATE 2017

PROCESS STEP

PROCESS DESCRIPTION

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

PROCESS DATE 2017

PROCESS STEP

PROCESS DESCRIPTION

[Adding SERO Features] Southeast Regional Office (SERO) Carolina DPS and South Atlantic DPS Atlantic sturgeon critical habitat rivers were merged with the GARFO critical habitat rivers to compose a complete shapefile. The critical habitat rule includes rivers from Maine to Florida. This shapefile corresponds with the rule.

PROCESS DATE 2017

PROCESS CONTACT

CONTACT INFORMATION

CONTACT PERSON PRIMARY

CONTACT PERSON Amanda Frick

CONTACT ORGANIZATION NOAA/NMFS

CONTACT POSITION GIS Coordinator

CONTACT ADDRESS

ADDRESS TYPE mailing and physical address

ADDRESS 263 13th Ave S

CITY St Petersburg

STATE OR PROVINCE FL

POSTAL CODE 33701-5505

CONTACT VOICE TELEPHONE 727-824-5301

CONTACT FACSIMILE TELEPHONE 727-824-5320

CONTACT ELECTRONIC MAIL ADDRESS amanda.frick@noaa.gov

PROCESS STEP

PROCESS DESCRIPTION

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

PROCESS DATE 2017

#### PROCESS STEP

##### PROCESS DESCRIPTION

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

PROCESS DATE 2017

#### 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 2017

#### 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 2017

#### PROCESS STEP

##### PROCESS DESCRIPTION

[Publication] The shapefile, with accompanying metadata, was uploaded for public download on the NOAA NMFS GARFO GIS website.

PROCESS DATE 2017-11-15

## 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

Sequential unique whole numbers that are automatically generated.

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, including proposed or final versions (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 it will be 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 will be 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 will be 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 will be 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 will be 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 will be 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 final rule containing the Regulated Area spatial definition.  
ATTRIBUTE DEFINITION SOURCE GARFO  
ATTRIBUTE DOMAIN VALUES  
UNREPRESENTABLE DOMAIN  
Free text name

ATTRIBUTE  
ATTRIBUTE LABEL FRDATE  
ATTRIBUTE DEFINITION  
Federal Register citation date of final rule containing the Regulated Area spatial definition.  
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 would become active

[ATTRIBUTE DEFINITION SOURCE](#) GARFO

[ATTRIBUTE DOMAIN VALUES](#)

[UNREPRESENTABLE DOMAIN](#)

Date

[ATTRIBUTE](#)

[ATTRIBUTE LABEL](#) RECUREND

[ATTRIBUTE DEFINITION](#)

Annually recurring date Regulated Area would become 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

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#### CONTACT INSTRUCTIONS

<http://www.greateratlantic.fisheries.noaa.gov/>

RESOURCE DESCRIPTION Downloadable Data

#### DISTRIBUTION LIABILITY

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## Metadata Reference ►

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#### METADATA CONTACT

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