# Sector Rolling Closure Areas

## Identification ►

CITATION
CITATION INFORMATION
ORIGINATOR NOAA Fisheries Greater Atlantic Regional Fisheries Office
PUBLICATION DATE 2015-03-15
TITLE
Sector Rolling Closure 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 Sector Rolling Closure 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:
- Sector Rolling Closure Area II
- Sector Rolling Closure Area III
- Sector Rolling Closure Area IV

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 2015-03-15
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 Atlantic Ocean

PLACE KEYWORD Cape Cod Bay

PLACE KEYWORD Greater Atlantic Region

PLACE KEYWORD Gulf of Maine

PLACE KEYWORD New England

PLACE KEYWORD Southern New England

PLACE KEYWORD United States

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

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 978-282-9341

CONTACT FACSIMILE TELEPHONE 978-281-9135

CONTACT ELECTRONIC MAIL ADDRESS doug.potts@noaa.gov

CONTACT INSTRUCTIONS

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

SECURITY INFORMATION

SECURITY CLASSIFICATION SYSTEM FIPS Pub 199

SECURITY CLASSIFICATION No Confidentiality

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 2014-11-18

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
RANGE OF DATES/TIMES
BEGINNING DATE 2010
ENDING DATE present
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 Department of Commerce (DOC), National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), Special Projects (SP)
PUBLICATION DATE 1998
TITLE
NOAA's Medium Resolution Digital Vector Shoreline (1998) for the Contiguous United States
GEOSPATIAL DATA PRESENTATION FORM vector digital data
PUBLICATION INFORMATION
PUBLICATION PLACE Silver Spring, MD
PUBLISHER NOAA's Ocean Service, Special Projects (SP)
ONLINE LINKAGE http://www.ngdc.noaa.gov/mgg/shorelines/noaamrdvs.html

SOURCE SCALE DENOMINATOR 70000
TYPE OF SOURCE MEDIA digital download (ESRI shapefile)
SOURCE TIME PERIOD OF CONTENT
TIME PERIOD INFORMATION
RANGE OF DATES/TIMES
BEGINNING DATE 1988
ENDING DATE 1992
SOURCE CURRENTNESS REFERENCE
publication date
SOURCE CITATION ABBREVIATION
NOAA Medium Resolution Shoreline
SOURCE CONTRIBUTION
This source shoreline was used to generate template shapefiles, which were copied and used when Regulatory Area boundaries followed portions of the US Atlantic coastline. This data source was selected for its 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.
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 2014

PROCESS STEP

PROCESS DESCRIPTION

[Features From Templates] To generate the Regulated Area boundary in ArcGIS, a copy of the Coast-to-EEZ template polygon was split by connecting coordinates in the order specified in the spatial definition. When the spatial definition specified that points were connected following the Coastline the coinciding outward extent of the template polygon was used. After all points were appropriately connected, any portions of the template outside the Regulated Area were discarded. 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. When the spatial definition specified that points were connected following a straight line, rhumb lines were constructed by projecting the shapefile into a NAD83 Mercator projection, which maintains straight rhumbs. The boundaries were densified with consecutive vertices interpolated no more than 10 nautical miles apart, to preserve rhumb line paths in other coordinate systems. (Boundaries following the U.S.-Canada Maritime Boundary were unaffected because the source shapefile depicting this legally-defined geodesic line was densified with vertices placed <1mi apart.) The file was then projected back to the un-projected NAD83 coordinate system.

PROCESS DATE 2015

PROCESS STEP

PROCESS DESCRIPTION

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

PROCESS DATE 2015

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 2015

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 2015

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 2015

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 2015

PROCESS STEP
PROCESS DESCRIPTION
[Publication] The shapefile, with accompanying metadata, was uploaded for public download on the NOAA NMFS GARFO GIS website.
PROCESS DATE 2015-03-15

## 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

## 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
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 2015-03-15
METADATA FUTURE REVIEW DATE 2019-03-15
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
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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