Atlantic Halibut Accountability Measure (AM) Areas

Identification

CITATION
CITATION INFORMATION
ORIGINATOR NOAA Fisheries Greater Atlantic Regional Fisheries Office
PUBLICATION DATE 2015-03-15
TITLE Atlantic Halibut Accountability Measure (AM) 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 (AM) 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 Fixed Gear AM Area 1
- Atlantic Halibut Fixed Gear AM Area 2
- Atlantic Halibut Trawl 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 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 planning Cadastre

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 Georges Bank
Place Keyword Greater Atlantic Region
Place Keyword Gulf of Maine
Place Keyword 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: 2014-11-21
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**  2013
**ENDING DATE**  present
**SOURCE CURRENTNESS REFERENCE**
**publication date**
**SOURCE CITATION ABBREVIATION**  e-CFR
**SOURCE CONTRIBUTION**
Spatial definitions for Regulated Area boundaries.

**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, No Template] To generate the Regulated Area boundary in ArcGIS, the coordinates were connected in the order specified in the spatial definition. 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 by 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. The file was 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**
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 ▶
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Contact Information
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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 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 FAX 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