Gulf of Maine Scallop Dredge Exemption Area

Identification ►

CITATION
ORIGINATOR NOAA Fisheries Greater Atlantic Regional Fisheries Office
PUBLICATION DATE 2020-05-13
TITLE Gulf of Maine Scallop Dredge Exemption Area
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 Gulf of Maine Scallop Dredge Exemption Area 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:
- Gulf of Maine Scallop Dredge Exemption 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 2020-05-13
CURRENTNESS REFERENCE
Publication date
STATUS 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
None.

*** Attribution *** Whenever NMFS material is reproduced and re-disseminated, we request that users attribute the material appropriately. Pursuant to 17 U.S.C. 403, parties who produce copyrighted works consisting predominantly of material created by the Federal Government are encouraged to provide notice with such work(s) identifying the U.S. Government material incorporated and stating that such material is not subject to copyright protection. Please cite Regulated Area datasets as follows, with the appropriate information substituted for all text in {CURLY BRACKETS}:

*** No Warranty *** The user assumes the entire risk related to its use of these data. NMFS is providing these data "as is," and NMFS disclaims any and all warranties, whether express or implied, including (without limitation) any implied warranties of merchantability or fitness for a particular purpose. No warranty expressed or implied is made regarding the accuracy or utility of the data on any other system or for general or scientific purposes, nor shall the act of distribution constitute any such warranty. It is strongly recommended that careful attention be paid to the contents of the metadata file associated with these data to evaluate dataset limitations, restrictions or intended use. In no event will NMFS be liable to you or to any third party for any direct, indirect, incidental, consequential, special or exemplary damages or lost profit resulting from any use or misuse of this data.

*** Proper Usage *** The information on government servers are in the public domain, unless specifically annotated otherwise, and may be used freely by the public. Before using information obtained from this server, special attention should be given to the date and time of the data and products being displayed. This information shall not be modified in content and then presented as official government material.

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 Shannah Jaburek
CONTACT ORGANIZATION NOAA Fisheries Service Greater Atlantic Regional Fisheries Office, Sustainable Fisheries Division
CONTACT POSITION Fishery Management Specialist
CONTACT ADDRESS
ADDRESS TYPE mailing and physical address
ADDRESS 55 Great Republic Drive
CITY Gloucester
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 have unknown accuracy (EPA National Geospatial Data Policy [NGDP] Accuracy Tier 10). 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 2020-11-5
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
Online Linkage http://www.ecfr.gov

Type of Source Media online
Source Time Period of Content
Time Period Information
Single Date/Time
Calendar Date 2020-21-4
Source Currentness Reference
Publication Date
Source Citation Abbreviation
Spatial definitions for Regulated Area boundaries.

This source marine boundary was used to generate template shapefiles, which were copied and used when Regulatory Area boundaries followed portions of the Submerged Lands Act boundary (a.k.a. 3 nautical mile line; a.k.a. Fed-State boundary).
This source marine boundary was used to generate template shapefiles, which were copied and used when Regulatory Area boundaries followed portions of the US Exclusive Economic Zone. 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.

Online Linkage
- http://www.ngdc.noaa.gov/mgg/global/relief/ETOPO1/data/bedrock/grid_registered/binary/etopo1_bed_g_f4.zip

Type of Source Media  digital download (4-byte, 32-bit float)

Source Time Period of Content

Single Date/Time
- Calendar Date 2009
- Source Currentness Reference publication date

Source Citation Abbreviation
- ETOPO1

Source Contribution
This source topography dataset was used to derive bathymetric contour lines.

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
(Densification) [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 un-projected NAD83 coordinate system.

PROCESS DATE 2018

PROCESS STEP
PROCESS DESCRIPTION
[Bathymetry] The ArcGIS Contour List tool (Spatial Analyst) was used to derive bathymetry contours from the ETOPO1 1-arc minute global topography raster. The bathymetry line was then traced as specified in the Regulated Area spatial definition.

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 2018-04-09

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
  - Sem-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
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**

Free text name

**ATTRIBUTE** **LABEL** FRDATE

**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** **LABEL** EFFECTDATE

**DEFINITION**

Date Regulated Area officially became law, or most recent modification

**ATTRIBUTE** **LABEL** SOURCE

**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** **LABEL** RECURST

**DEFINITION**

Annually recurring date Regulated Area becomes active

**ATTRIBUTE** **LABEL** RECUREND

**DEFINITION**

Annually recurring date Regulated Area becomes inactive

**ATTRIBUTE**
<table>
<thead>
<tr>
<th>Attribute Label</th>
<th>Attribute Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>GISAUTHOR</td>
<td>Name of the NOAA staff person who created the GIS feature</td>
</tr>
<tr>
<td>AREANOTES</td>
<td>Miscellaneous notes regarding the Regulated Area or feature</td>
</tr>
<tr>
<td>CREATED</td>
<td>Creation date of the GIS feature</td>
</tr>
</tbody>
</table>

**Entity Description**

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.

**Distribution Information**

Distribution Information

**Distributor**

**Contact Information**

Contact Person Primary

Contact Person: Talya ten Brink

Contact Organization: NOAA Fisheries Service Greater Atlantic Regional Fisheries Office, GIS Committee

Contact Position: GIS Specialist

Address Type: mailing and physical address

Address: 55 Great Republic Drive

City: Gloucester

State or Province: MA

Postal Code: 01930

Contact Voice Telephone: 978-675-2190

Contact Facsimile Telephone: 978-281-9333

Contact Electronic Mail Address: talya.tenbrink@noaa.gov

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

Resource Description: Downloadable Data
DISTRIBUTION LIABILITY
The user assumes the entire risk related to use of these data. NMFS is providing these data "as is," and NMFS disclaims any and all warranties, whether express or implied, including (without limitation) any implied warranties of merchantability or fitness for a particular purpose. No warranty expressed or implied is made regarding the accuracy or utility of the data on any other system or for general or scientific purposes, nor shall the act of distribution constitute any such warranty. It is strongly recommended that careful attention be paid to the contents of the metadata file associated with these data to evaluate dataset limitations, restrictions or intended use. In no event will NMFS be liable to you or to any third party for any direct, indirect, incidental, consequential, special or exemplary damages, or lost profit resulting from any use or misuse of this data.

Metadata Reference

Metadata Date 2020-05-13
Metadata Future Review Date 2024-05-13
Metadata Contact
Contact Information
Contact Person Primary Talya ten Brink
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 978-675-2190
Contact Facsimile Telephone 978-281-9333
Contact Electronic Mail Address talya.tenbrink@noaa.gov
Contact Instructions http://www.greateratlantic.fisheries.noaa.gov/

Metadata Standard Name FGDC Content Standard for Digital Geospatial Metadata