

GOM Cod Protection Closures

Type Shapefile

Tags boundaries, environment, location, oceans, planningCadastre, Biology, Compliance, Conservation, Ecology, Ecosystem, Environment, Human, Management, Marine, Monitoring, Natural Resources, Permits, Regulatory, Water, Atlantic Ocean, Cape Cod Bay, Georges Bank, Greater Atlantic Region, Gulf of Maine, New England, United States, US EEZ, US Exclusive Economic Zone, Atlantic, EEZ, Exclusive Economic Zone, GARFO, Greater Atlantic Regional Fisheries Office, Groundfish, Magnuson-Stevens Act, MSA, National Marine Fisheries Service, National Oceanic and Atmospheric Administration, NEFMC, New England Fishery Management Council, NMFS, NOAA, Northeast Multispecies, US EEZ

Summary

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.

Description

This dataset depicts the boundaries of the GOM Cod Protection Closures 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:

- GOM Cod Protection Closure I
- GOM Cod Protection Closure II
- GOM Cod Protection Closure III
- GOM Cod Protection Closure IV
- GOM Cod Protection Closure V

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.

Credits

There are no credits for this item.

Use limitations

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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.

Extent

West -71.113480 East -68.500000
North 44.324844 South 42.000000

Scale Range

There is no scale range for this item.

Topics and Keywords ►

Themes or categories of the resource Boundaries, Environment, Location, Oceans, Planning & Cadastral

Content type Downloadable Data

Theme keywords boundaries, environment, location, oceans, planningCadastre

Thesaurus ►

Title ISO 19115 Topic Category

Theme keywords Biology, Compliance, Conservation, Ecology, Ecosystem, Environment, Human, Management, Marine, Monitoring, Natural Resources, Permits, Regulatory, Water

Thesaurus ►

Title EPA GIS Keyword Thesaurus

Theme keywords Atlantic, EEZ, Exclusive Economic Zone, GARFO, Greater Atlantic Regional Fisheries Office, Groundfish, Magnuson-Stevens Act, MSA, National Marine Fisheries Service, National Oceanic and Atmospheric Administration, NEFMC, New England Fishery Management Council, NMFS, NOAA, Northeast Multispecies, US EEZ

Thesaurus ►

Title GARFO Keywords

Place keywords Atlantic Ocean, Cape Cod Bay, Georges Bank, Greater Atlantic Region, Gulf of Maine, New England, United States, US EEZ, US Exclusive Economic Zone

Citation ►

Title GOM Cod Protection Closures

Publication date 2018-04-09

Presentation formats ⇌ digital map

Citation Contacts ►

Responsible party - originator

Organization's name NOAA Fisheries Greater Atlantic Regional Fisheries Office

Responsible party - publisher

Organization's name NOAA National Marine Fisheries Service (NMFS) - Greater Atlantic Regional Fisheries Office (GARFO)

Contact information ►

Address

Delivery point Gloucester, MA

Resource Details ►

Dataset languages ⇌ English (UNITED STATES)

Status completed

Spatial representation type vector

Processing environment ⇌ Microsoft Windows 10 Version 10.0 (Build 19045) ; Esri ArcGIS 13.0.2.36056

ArcGIS item properties

Name ⇌ GOM_Cod_Protection_Closure_Areas

Size ⇌ 1.262

Location ⇌ file:///N:\NERLTD\9P2J9N3\C\$\Users\Talya.tenBrink\Desktop\Mults\GOM_Cod_Protection_Closure_Areas.shp

Access protocol ⇌ Local Area Network

Extents ►

Extent

Geographic extent

Bounding rectangle

West longitude -80

East longitude -64

North latitude 46

South latitude 32

Extent contains the resource Yes

Extent

Description

Publication date

Temporal extent

Date and time 2018-04-09

Extent

Geographic extent

Bounding rectangle

Extent type

Extent used for searching

West longitude ⇌ -71.113480

East longitude ⇌ -68.500000

North latitude ⇌ 44.324844

South latitude ⇌ 42.000000

Extent contains the resource ⇌ Yes

Extent in the item's coordinate system

westBL ⇌ -71.113480

eastBL ⇌ -68.500000

southBL ⇌ 42.000000

northBL ⇌ 44.324844

exTypeCode ⇌ Yes

Resource Points of Contact ►

Point of contact - point of contact

Individual's name Doug Potts

Organization's name NOAA Fisheries Service Greater Atlantic Regional Fisheries Office, Sustainable Fisheries Division

Contact's position GIS Committee Sustainable Fisheries Representative

Contact information ►

Phone

Voice 978-282-9341

Fax 978-281-9135

Address

Type both

Delivery point 55 Great Republic Drive

City Gloucester

Administrative area MA

Postal code 01930

e-mail address doug.potts@noaa.gov

Contact instructions

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

Resource Maintenance ►

Resource maintenance

Update frequency as needed

Resource Constraints ►

Constraints

Limitations of use

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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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Legal constraints

Limitations of use

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Access constraints other restrictions

Other constraints

None.

Security constraints

Classification public

Classification system FIPS Pub 199

Additional restrictions

Standard Technical Controls

Spatial Reference ►

ArcGIS coordinate system

Type ⇌ Geographic
Geographic coordinate reference ⇌ GCS_North_American_1983
Coordinate reference details ⇌
GeographicCoordinateSystem
WKID 4269
XOrigin -400
YOrigin -400
XYScale 11258999068426.238
ZOrigin -100000
ZScale 10000
MOrigin -100000
MScale 10000
XYTolerance 8.983152841195215e-09
ZTolerance 0.001
MTolerance 0.001
HighPrecision true
LeftLongitude -180
LatestWKID 4269
WKT
GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.017453292519943295]]

Reference system identifier

Value ⇌ 4269
Codespace ⇌ EPSG
Version ⇌ 6.5(3.0.1)

Spatial Data Properties ▶

Vector ▶

Level of topology for this dataset ⇌ geometry only

Geometric objects

Feature class name GOM_Cod_Protection_Closure_Areas
Object type ⇌ composite
Object count ⇌ 5

ArcGIS Feature Class Properties ▶

Feature class name GOM_Cod_Protection_Closure_Areas
Feature type ⇌ Simple
Geometry type ⇌ Polygon
Has topology ⇌ FALSE
Feature count ⇌ 5
Spatial index ⇌ FALSE
Linear referencing ⇌ FALSE

Data Quality ▶

Scope of quality information ▶

Resource level dataset

Data quality report - Conceptual consistency ▶

Data quality measure reference

Measure description

Check Geometry test has been performed in ArcGIS.

Data quality report - Completeness omission ▶

Data quality measure reference

Measure description

Features represented are valid. No geometry problems were detected.

Data quality report - Absolute external positional accuracy ▶

dimension horizontal

Data quality measure reference

Measure description

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 ▶

Process step ▶

When the process occurred 2013

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 and spatial 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 step ►

When the process occurred 2018

Description

[Get Definition Text] The current legal spatial definition for the Regulated Area was copied from the e-CFR website.

Process step ►

When the process occurred 2018

Description

[Features From Templates] The Coast-to-EEZ template shapefile was copied. If necessary, the coordinates of the Regulated Area definition were converted to Decimal Degrees. To generate the Regulated Area boundary in ArcGIS, the template polygon was split by connecting these points 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. As an exception, points intended to fall along the U.S.-Canada Maritime Boundary were connected by following the geodesic line that legally defines that international boundary. When the spatial definition specified that points were connected by 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 defined 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. 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 step ►

When the process occurred 2018

Description

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

Process step ►

When the process occurred 2018

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 step ►

When the process occurred 2018

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 step ►

When the process occurred 2018

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 step ►

When the process occurred 2018

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 step ►

When the process occurred 2018-04-09

Description

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

Source data ►

Description

Spatial definitions for Regulated Area boundaries.

Source medium name online link

Source citation ►

Title Electronic Code of Federal Regulations

Alternate titles e-CFR

Publication date 2018-04-09

Edition Special Edition of the Federal Register

Presentation formats hardcopy document

FGDC geospatial presentation format document

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.

Responsible party - originator

Organization's name Department of Commerce (DOC), National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries Service (NMFS)

Responsible party - publisher

Organization's name Office of the Federal Register, National Archives and Records Administration and the Government Printing Office

Contact information ►

Address

Delivery point Washington, DC

Resource location online

Online location (URL) <http://www.ecfr.gov>

Extent of the source data

Description

publication date

Temporal extent

Date and time 2018-04-09

Source data ►

Description

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.

Source medium name digital download (esri shapefile)

Source citation ►

Title USMaritimeLimitsNBoundaries

Alternate titles US EEZ

Publication date 2011-05-01

Edition 1

Presentation formats digital map

FGDC geospatial presentation format vector digital data

Responsible party - originator

Organization's name Department of Commerce (DOC), National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), Office of Coast Survey (OCS)

Responsible party - publisher

Organization's name NOAA's Ocean Service, Office of Coast Survey (OCS)

Contact information ►

Address

Delivery point Silver Spring, MD

Resource location online

Online location (URL) <http://www.nauticalcharts.noaa.gov/csdl/mbound.htm>

Extent of the source data

Description

publication date

Temporal extent

Date and time 2011-05-01

Source data ►

Description

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.

Source medium name digital download (esri shapefile)

Resolution of the source data

Scale denominator 70000

Source citation ►

Title NOAA's Medium Resolution Digital Vector Shoreline (1998) for the Contiguous United States

Alternate titles NOAA Medium Resolution Shoreline

Publication date 1998

Presentation formats digital map

FGDC geospatial presentation format vector digital data

Responsible party - originator

Responsible party - publisher

Organization's name NOAA's Ocean Service, Special Projects (SP)

Contact information ►

Address

Delivery point Silver Spring, MD

Resource location online

Online location (URL) <http://www.ngdc.noaa.gov/mgg/shorelines/noaamrdvs.html>

Extent of the source data

Description

publication date

Temporal extent

Beginning date 1988

Ending date 1992

Distribution ►

Distribution format

Name ⇔ Shapefile

Transfer options

Transfer size ⇔ 1.262

Online source

Online location (URL) <http://www.greateratlantic.fisheries.noaa.gov/gis>

Online location (URL) <http://www.greateratlantic.fisheries.noaa.gov/>

Fields ►

Details for object GOM_Cod_Protection_Closure_Areas ►

Type ⇔ Feature Class

Row count ⇔ 5

Definition

NMFS Regulated Areas in Northeast and Mid-Atlantic Waters

Definition source

GARFO

Field FID ►

Field description

Internal feature number

Description source

ESRI

Description of values

System-generated internal feature number

Field Shape ►

Field description

Feature geometry

Description source

ESRI

Description of values

Coordinate geometry

Field GARFO_ID ►

Alias ⇔ GARFO_ID

Data type ⇔ String

Width ⇔ 9

Precision ⇔ 0

Scale ⇔ 0

Field AREANAME ►

Field description

Official name of the Regulated Area, usually the area name as printed in the CFR

Description source

GARFO

Description of values

Free text name

Field COMMNAME ▶

Field description

Most commonly used name. May be identical to AREANAME, an abbreviation of AREANAME, or a different name altogether.

Description source

GARFO

Description of values

Free text name

Field AREAGROUP ▶

Alias ↔ AREAGROUP

Data type ↔ String

Width ↔ 150

Precision ↔ 0

Scale ↔ 0

Field DESCRIBE ▶

Alias ↔ DESCRIBE

Data type ↔ String

Width ↔ 254

Precision ↔ 0

Scale ↔ 0

Field CFRTITLE ▶

Alias ↔ CFRTITLE

Data type ↔ String

Width ↔ 2

Precision ↔ 0

Scale ↔ 0

Field CFRPT ▶

Alias ↔ CFRPT

Data type ↔ String

Width ↔ 3

Precision ↔ 0

Scale ↔ 0

Field CFRPTTXT ▶

Alias ↔ CFRPTTXT

Data type ↔ String

Width ↔ 150

Precision ↔ 0

Scale ↔ 0

Field CFRSUB ▶

Alias ↔ CFRSUB

Data type ↔ String

Width ↔ 2

Precision ↔ 0

Scale ↔ 0

Field CFRSUBTXT ▶

Alias ↔ CFRSUBTXT

Data type ↔ String

Width ↔ 150

Precision ↔ 0

Scale ↔ 0

Field CFRSXN ▶

Alias ↔ CFRSXN

Data type ↔ String

Width ↔ 15

Precision ↔ 0

Scale ⇔ 0

Field CFRSXNTXT ▶

Alias ⇔ CFRSXNTXT

Data type ⇔ String

Width ⇔ 150

Precision ⇔ 0

Scale ⇔ 0

Field CFRPARA ▶

Alias ⇔ CFRPARA

Data type ⇔ String

Width ⇔ 25

Precision ⇔ 0

Scale ⇔ 0

Field CFRPARATXT ▶

Alias ⇔ CFRPARATXT

Data type ⇔ String

Width ⇔ 150

Precision ⇔ 0

Scale ⇔ 0

Field FRCITE ▶

Alias ⇔ FRCITE

Data type ⇔ String

Width ⇔ 254

Precision ⇔ 0

Scale ⇔ 0

Field FRDATE ▶

Alias ⇔ FRDATE

Data type ⇔ Date

Width ⇔ 8

Precision ⇔ 0

Scale ⇔ 0

Field EFFECTDATE ▶

Alias ⇔ EFFECTDATE

Data type ⇔ Date

Width ⇔ 8

Precision ⇔ 0

Scale ⇔ 0

Field SOURCE ▶

Alias ⇔ SOURCE

Data type ⇔ String

Width ⇔ 254

Precision ⇔ 0

Scale ⇔ 0

Field RECURST ▶

Alias ⇔ RECURST

Data type ⇔ String

Width ⇔ 100

Precision ⇔ 0

Scale ⇔ 0

Field RECUREND ▶

Alias ⇔ RECUREND

Data type ⇔ String

Width ⇔ 100

Precision ⇔ 0

Scale ↔ 0

Field GISAUTHOR ▶

Alias ↔ GISAUTHOR
Data type ↔ String
Width ↔ 100
Precision ↔ 0
Scale ↔ 0

Field CREATED ▶

Alias ↔ CREATED
Data type ↔ Date
Width ↔ 8
Precision ↔ 0
Scale ↔ 0

Field AREANOTES ▶

Alias ↔ AREANOTES
Data type ↔ String
Width ↔ 254
Precision ↔ 0
Scale ↔ 0

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.

Metadata Details ▶

Metadata language ↔ English (UNITED STATES)
Metadata character set utf8 - 8 bit UCS Transfer Format

Scope of the data described by the metadata dataset
Scope name ↔ dataset

Last update 2018-04-09

ArcGIS metadata properties

Metadata format ArcGIS 1.0

Last modified in ArcGIS for the item 2023-02-15 16:37:38

Automatic updates

Last update 2023-02-15 16:37:38

Metadata Contacts ▶

Metadata contact - point of contact

Individual's name Dean-Lorenz Szumylo
Organization's name NOAA Fisheries Service Greater Atlantic Regional Fisheries Office, GIS Committee
Contact's position GIS Specialist

Contact information ▶

Phone

Voice 978-282-8479
Fax 978-281-9333

Address

Type both
Delivery point 55 Great Republic Drive
City Gloucester
Administrative area MA
Postal code 01930
e-mail address dean.szumylo@noaa.gov
Contact instructions
<http://www.greateratlantic.fisheries.noaa.gov/>

Metadata Maintenance ▶

Maintenance

Date of next update 2022-04-09
Update frequency unknown

Thumbnail and Enclosures ▶