

Closed Area 1 North

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 Closed Area 1 North in ESRI shapefile format for the NOAA Fisheries Service's Greater Atlantic Regional Fisheries Office (GARFO). 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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Extent

West -69.383333 East -68.500000
North 41.500000 South 41.066667

Scale Range

Maximum (zoomed in) 1:5,000
Minimum (zoomed out) 1:150,000,000

Topics and Keywords ▶

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

Content type Downloadable Data
Export to FGDC CSDGM XML format as Resource Description No

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 ▶

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 Closed Area 1 North
Publication date 2023-03-23 14:17:35.095-04:00
Revision date 2023-03-23 14:17:36.981-04:00

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)
Dataset character set utf8 - 8 bit UCS Transfer Format

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 ⇔ Closed_Area_1_North
Size ⇔ 0.000
Location ⇔ file:///N:\NERTDM9P2J9N3\C\$\Users\Talya.tenBrink\Desktop\CA1 North Habitat Closure\final final final\Closed_Area_1_North\Closed_Area_1_North.shp
Access protocol ⇔ Local Area Network

Extents ▶

Extent

Geographic extent

Bounding rectangle

West longitude -80
East longitude -64
South latitude 32
North latitude 46
Extent contains the resource Yes

Extent

Description
Publication date

Geographic extent

Bounding rectangle

West longitude -180
East longitude 180
South latitude -90
North latitude 90

Temporal extent

Date and time 2018-04-09

Extent

Geographic extent

Bounding rectangle

West longitude -71.113480
East longitude -68.500000
South latitude 42.000000
North latitude 44.324844
Extent contains the resource Yes

Extent

Geographic extent

Bounding rectangle

Extent type
Extent used for searching
West longitude ⇔ -69.383333
East longitude ⇔ -68.500000
North latitude ⇔ 41.500000
South latitude ⇔ 41.066667
Extent contains the resource ⇔ Yes

Extent in the item's coordinate system

westBL ⇔ -7723717.336190

eastBL ⇔ -7625385.119345

southBL ⇔ 5022179.960556

northBL ⇔ 5086373.649418

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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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

Legal constraints

Access constraints other restrictions

Other constraints

Other Constraints

Legal constraints

Use constraints other restrictions

Other constraints

Other Constraints

Spatial Reference ►

ArcGIS coordinate system

Type ⇔ Projected

Geographic coordinate reference ⇔ GCS_WGS_1984

Projection ⇔ WGS_1984_Web_Mercator_Auxiliary_Sphere

Coordinate reference details ⇔

ProjectedCoordinateSystem

WKID 102100

XOrigin -20037700

YOrigin -30241100

XYScale 148923141.92838538

ZOrigin -100000

ZScale 10000

MOrigin -100000

MScale 10000

XYTolerance 0.001

ZTolerance 0.001

MTolerance 0.001

HighPrecision true

LatestWKID 3857

WKT

```
PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwic
```

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 Closed_Area_1_North

Object type ⇔ composite

Object count ⇔ 1

ArcGIS Feature Class Properties ►

Feature class name Closed_Area_1_North

Feature type ⇔ Simple

Geometry type ⇔ Polygon

Has topology ⇔ FALSE

Feature count ⇔ 1

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 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 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

Publication date 2018-04-09

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

Publication date 2011-05-01

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

Publication date 1998

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 sourceOnline location (URL) <http://www.greateratlantic.fisheries.noaa.gov/gis>**Fields** ▶**Details for object Closed_Area_1_North** ▶

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 Shape_Leng ▶

Alias ↔ Shape_Leng
Data type ↔ Double
Width ↔ 19
Precision ↔ 0
Scale ↔ 0

Field Shape_Area ▶

Alias ↔ Shape_Area
Data type ↔ Double
Width ↔ 19
Precision ↔ 0
Scale ↔ 0

Field description ↔
Area of feature in internal units squared.

Description source ↔
Esri

Description of values ↔
Positive real numbers that are automatically generated.

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

Metadata identifier 1679595439596r4665906444633845

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

Last update ↔ 2023-03-23 14:17:19.19

ArcGIS metadata properties

Metadata format ArcGIS 1.0
Standard or profile used to edit metadata FGDC

Created in ArcGIS for the item 2023-03-23 18:21:10
Last modified in ArcGIS for the item 2023-03-23 15:47:49

Automatic updates

Have been performed Yes
Last update 2023-03-23 15:38:01

Metadata Contacts ▶

Metadata contact - point of contact
Individual's name Talya ten Brink

Organization's name NOAA Fisheries Service Greater Atlantic Regional Fisheries Office, GIS Committee
Contact's position GIS Scientist

Contact information ▶

Phone

Voice (978) 675-2190

Address

Type both

Delivery point 55 Great Republic Drive

City Gloucester

Administrative area MA

Postal code 01930

e-mail address talya.tenbrink@noaa.gov

Contact instructions

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

Metadata Maintenance ▶

Maintenance

Date of next update 2022-04-09 00:00:00

Update frequency unknown