

Stellwagen Shipwreck Sites

Thumbnail Not Available

CITATION

CITATION INFORMATION

ORIGINATOR NOAA Fisheries Greater Atlantic Regional Fisheries Office

PUBLICATION DATE 2020-04-15

TITLE

Stellwagen Shipwreck Sites

PUBLICATION INFORMATION

PUBLICATION PLACE Gloucester, MA

PUBLISHER NOAA National Marine Fisheries Service (NMFS) - Greater Atlantic Regional Fisheries Office (GARFO)

ONLINE LINKAGE <https://www.fisheries.noaa.gov/resource/map/stellwagen-bank-national-marine-sanctuary-shipwreck-sites>

ONLINE LINKAGE <https://www.fisheries.noaa.gov/resource/map/stellwagen-bank-national-marine-sanctuary-shipwreck-sites>

DESCRIPTION

ABSTRACT

NOAA Fisheries, in conjunction with NOAA Stellwagen Bank National Marine Sanctuary (Sanctuary), requests that vessels avoid shipwreck sites on southern Stellwagen Bank within the Sanctuary by keeping gear 400 feet away from each of the site locations.

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 boundaries and/or regulated area boundaries. For information on the official legal definition refer to the Use Constraints metadata section.

PURPOSE

NOAA recognizes that fishermen want to avoid shipwrecks to ensure the safety of the crew and because of the risks of damaging their gear when the gear gets hung up on a wreck or other objects on the ocean floor. Hanging up on a wreck can also cause serious damage to shipwrecks that have historical significance. Historic shipwrecks are protected under the National Historic Preservation Act and the National Marine Sanctuaries Act and associated Federal regulations.

NOAA Fisheries, in conjunction with NOAA Stellwagen Bank National Marine Sanctuary (Sanctuary), requests that vessels avoid shipwreck sites on southern Stellwagen Bank within the Sanctuary by keeping gear 400 feet away from each of the site locations.

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 2020-04-15

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 geoscientificInformation
THEME KEYWORD location
THEME KEYWORD oceans
THEME KEYWORD planningCadastre
THEME KEYWORD society

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 National Marine Fisheries Service
THEME KEYWORD National Oceanic and Atmospheric Administration
THEME KEYWORD NMFS
THEME KEYWORD NOAA
THEME KEYWORD US EEZ

PLACE

PLACE KEYWORD THESAURUS None
PLACE KEYWORD Massachusetts
PLACE KEYWORD Atlantic Ocean
PLACE KEYWORD Greater Atlantic Region
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 Shannah Jaburek

CONTACT ORGANIZATION NOAA Fisheries Service Greater Atlantic Regional Fisheries Office, Sustainable Fisheries Division

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SECURITY INFORMATION

SECURITY CLASSIFICATION SYSTEM <http://project-open-data.github.io/schema/#accessLevel>
SECURITY CLASSIFICATION public
SECURITY HANDLING DESCRIPTION Standard Technical Controls

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

LINEAGE

SOURCE INFORMATION

SOURCE CITATION

CITATION INFORMATION

ORIGINATOR Bureau of Ocean Energy Management, Regulation and Enforcement, Mapping and Boundary Branch

PUBLICATION DATE 2010-10-05

TITLE

Atlantic NAD83 Submerged Lands Act Boundary

GEOSPATIAL DATA PRESENTATION FORM vector digital data

SERIES INFORMATION

SERIES NAME Digital Offshore Cadastre

ISSUE IDENTIFICATION current

PUBLICATION INFORMATION

PUBLICATION PLACE Herndon, Virginia

PUBLISHER Bureau of Ocean Energy Management, Regulation and Enforcement, Mapping and Boundary Branch

ONLINE LINKAGE <http://www.boemre.gov/offshore/mapping/atlantic.htm>

LARGER WORK CITATION

CITATION INFORMATION

ORIGINATOR Bureau of Ocean Energy Management, Regulation and Enforcement, Mapping and Boundary Branch

PUBLICATION DATE 2010-10-05

TITLE

BOEMRE Offshore Cadastral Data

GEOSPATIAL DATA PRESENTATION FORM map

PUBLICATION INFORMATION

PUBLICATION PLACE Herndon, Virginia

PUBLISHER Bureau of Ocean Energy Management, Regulation and Enforcement, Mapping and Boundary Branch

TYPE OF SOURCE MEDIA digital download (ESRI shapefile)

SOURCE TIME PERIOD OF CONTENT

TIME PERIOD INFORMATION

RANGE OF DATES/TIMES

BEGINNING DATE 2005

ENDING DATE 2008

SOURCE CURRENTNESS REFERENCE

publication date

SOURCE CITATION ABBREVIATION

SLA

SOURCE CONTRIBUTION

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).

SOURCE INFORMATION

SOURCE CITATION

CITATION INFORMATION

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

PUBLICATION DATE 2011-05-01

TITLE

USMaritimeLimitsNBoundaries

EDITION 1

GEOSPATIAL DATA PRESENTATION FORM vector digital data

PUBLICATION INFORMATION

PUBLICATION PLACE Silver Spring, MD

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

ONLINE LINKAGE <http://www.nauticalcharts.noaa.gov/csdl/mbound.htm>

TYPE OF SOURCE MEDIA digital download (ESRI shapefile)

SOURCE TIME PERIOD OF CONTENT

TIME PERIOD INFORMATION

SINGLE DATE/TIME

CALENDAR DATE 2011-05-01

SOURCE CURRENTNESS REFERENCE

publication date

SOURCE CITATION ABBREVIATION

US EEZ

SOURCE CONTRIBUTION

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 INFORMATION

SOURCE CITATION

CITATION INFORMATION

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

PUBLICATION DATE 2011-05-01

TITLE

USMaritimeLimitsNBoundaries

EDITION 1

GEOSPATIAL DATA PRESENTATION FORM vector digital data

PUBLICATION INFORMATION

PUBLICATION PLACE Silver Spring, MD

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

ONLINE LINKAGE <http://www.nauticalcharts.noaa.gov/csdl/mbound.htm>

TYPE OF SOURCE MEDIA digital download (ESRI shapefile)

SOURCE TIME PERIOD OF CONTENT

TIME PERIOD INFORMATION

SINGLE DATE/TIME

CALENDAR DATE 2011-05-01

SOURCE CURRENTNESS REFERENCE

publication date

SOURCE CITATION ABBREVIATION

Territorial Sea

SOURCE CONTRIBUTION

This source marine boundary was used when Regulatory Area boundaries followed portions of the limit of the US Territorial Sea (12nmi line).

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.

SOURCE INFORMATION

SOURCE CITATION

CITATION INFORMATION

ORIGINATOR DOC/NOAA/NESDIS/NGDC > National Geophysical Data Center, NESDIS, NOAA, U.S. Department of Commerce

PUBLICATION DATE 2009

TITLE

ETOPO1 1 Arc-Minute Global Relief Model

EDITION First

GEOSPATIAL DATA PRESENTATION FORM raster digital data

PUBLICATION INFORMATION

PUBLICATION PLACE not specified

PUBLISHER DOC/NOAA/NESDIS/NGDC - National Geophysical Data Center

OTHER CITATION DETAILS

Amante, C. and B.W. Eakins, 2009. ETOPO1 1 Arc-Minute Global Relief Model: Procedures, Data Sources and Analysis. NOAA Technical Memorandum NESDIS NGDC-24. National Geophysical Data Center, NOAA. doi:10.7289/V5C8276M.

ONLINE LINKAGE <http://www.ngdc.noaa.gov/mgg/global/global.html>

ONLINE LINKAGE

http://www.ngdc.noaa.gov/mgg/global/relief/ETOPO1/data/bedrock/grid_registered/binary/etop01_bed_g_f4.zip

TYPE OF SOURCE MEDIA digital download (4-byte, 32-bit float)

SOURCE TIME PERIOD OF CONTENT

TIME PERIOD INFORMATION

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.

SOURCE INFORMATION

SOURCE CITATION

CITATION INFORMATION

ORIGINATOR Department of Commerce (DOC), National Oceanic and Atmospheric Administration

PUBLICATION DATE 2010

TITLE

Collision Regulations Boundary

GEOSPATIAL DATA PRESENTATION FORM vector digital data

PUBLICATION INFORMATION

PUBLICATION PLACE Charleston, SC

PUBLISHER NOAA's Ocean Service, Coastal Services Center (CSC)

ONLINE LINKAGE <https://www.fisheries.noaa.gov>

TYPE OF SOURCE MEDIA digital download (ESRI shapefile)

SOURCE TIME PERIOD OF CONTENT

TIME PERIOD INFORMATION

SINGLE DATE/TIME

CALENDAR DATE 2010

SOURCE CURRENTNESS REFERENCE

publication date

SOURCE CITATION ABBREVIATION

COLREGS

SOURCE CONTRIBUTION

This boundary was used for delineating the COLREGS boundaries.

SOURCE INFORMATION

SOURCE CITATION

CITATION INFORMATION

ORIGINATOR NOAA Sustainable Fisheries Division, Greater Atlantic Fisheries Region

PUBLICATION DATE 2020-04-15

PUBLICATION TIME 03:15

TITLE

Historic Shipwreck Avoidance on Stellwagen Bank

EDITION 2nd

GEOSPATIAL DATA PRESENTATION FORM vector digital data

PUBLICATION INFORMATION

PUBLICATION PLACE NOAA Sustainable Fisheries Division, Greater Atlantic Fisheries Region

PUBLISHER NOAA Sustainable Fisheries Division, Greater Atlantic Fisheries Region

OTHER CITATION DETAILS

None

ONLINE LINKAGE <https://www.fisheries.noaa.gov>

TYPE OF SOURCE MEDIA digital download (ESRI shapefile)

SOURCE TIME PERIOD OF CONTENT

TIME PERIOD INFORMATION

SINGLE DATE/TIME

CALENDAR DATE 2020-03-22

SOURCE CURRENTNESS REFERENCE

publication date

SOURCE CITATION ABBREVIATION

Permit Holder Letter from NOAA Fisheries GARFO

SOURCE CONTRIBUTION

Permit Holder Letter (PHL) contains lat/lon coordinates of known shipwreck sites within Stellwagen Bank National Marine Sanctuary. Site locations were published by the Sanctuary based on side scan sonar surveys.

PROCESS STEP

PROCESS DESCRIPTION

[COLREGS] Where specified in the Regulated Area definition, inshore and offshore waters were separated following COLREGS lines. These inlet/bay crossings were drawn after consulting a combination of a) the COLREGS definitions in 33 CFR 80, b) the NOAA Coastal Services Center COLREGS shapefile, and c) the NOAA Medium Resolution Shoreline shapefile because COLREGS lines described by a single source may not always fully cross the specified waterway as depicted by the source shoreline data set.

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

[Create Points] Permit Holder Letter (PHL) contains lat/lon coordinates of known shipwreck sites within Stellwagen Bank National Marine Sanctuary. Site locations were published by the Sanctuary based on side scan sonar surveys. Permit Holder Letter from NOAA Fisheries GARFO listing lat/lon coordinates of known shipwreck sites within Stellwagen Bank National Marine Sanctuary. Process description: plotted shipwreck site locations using lat/lon in sexagesimal degree format.

PROCESS DATE 2020

PROCESS STEP

PROCESS DESCRIPTION

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

PROCESS DATE 2020

PROCESS STEP

PROCESS DESCRIPTION

[Policy Review] The 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 based on National Historic Preservation Act and the National Marine Sanctuaries Act and associated Federal regulations.

PROCESS DATE 2020

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 2020

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 2020

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 2020

PROCESS STEP

PROCESS DESCRIPTION

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

PROCESS DATE 2020

PROCESS CONTACT

CONTACT INFORMATION

CONTACT ORGANIZATION PRIMARY

CONTACT ORGANIZATION NOAA Fisheries Service Greater Atlantic Regional Fisheries Office, GIS Committee

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HORIZONTAL COORDINATE SYSTEM DEFINITION

GEOGRAPHIC

LATITUDE RESOLUTION 0.000001

LONGITUDE RESOLUTION 0.000001

GEOGRAPHIC COORDINATE UNITS Decimal degrees

GEODETTIC 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

Hide Spatial Reference ▲

DETAILED DESCRIPTION

ENTITY TYPE

ENTITY TYPE LABEL Stellwagen Shipwreck

ENTITY TYPE DEFINITION

Stellwagen Bank Shipwreck Sites
ENTITY TYPE DEFINITION SOURCE SBNMS

ATTRIBUTE

ATTRIBUTE LABEL VesselName

ATTRIBUTE DEFINITION

Name of shipwreck vessel

ATTRIBUTE DEFINITION SOURCE SBNMS

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Free text name

ATTRIBUTE

ATTRIBUTE LABEL FID

ATTRIBUTE DEFINITION

Internal feature number.

ATTRIBUTE DEFINITION SOURCE Esri

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Sequential unique whole numbers that are automatically generated.

ATTRIBUTE

ATTRIBUTE LABEL Shape

ATTRIBUTE DEFINITION

Feature geometry.

ATTRIBUTE DEFINITION SOURCE Esri

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Coordinates defining the features.

ATTRIBUTE

ATTRIBUTE LABEL Status

ATTRIBUTE DEFINITION

Status of shipwreck vessel

ATTRIBUTE DEFINITION SOURCE SBNMS

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Free text status

ATTRIBUTE

ATTRIBUTE LABEL LatDD

ATTRIBUTE DEFINITION

Latitude of shipwreck, in Decimal Degrees

ATTRIBUTE DEFINITION SOURCE SBNMS

ATTRIBUTE DOMAIN VALUES

RANGE DOMAIN

RANGE DOMAIN MINIMUM -90

RANGE DOMAIN MAXIMUM 90

ATTRIBUTE

ATTRIBUTE LABEL LonDD

ATTRIBUTE DEFINITION

Longitude of shipwreck, in Decimal Degrees

ATTRIBUTE DEFINITION SOURCE SBNMS

ATTRIBUTE DOMAIN VALUES

RANGE DOMAIN

RANGE DOMAIN MINIMUM -180

RANGE DOMAIN MAXIMUM 180

ATTRIBUTE

ATTRIBUTE LABEL LatDMS

ATTRIBUTE DEFINITION

Latitude of shipwreck, in Degrees Minutes Seconds

ATTRIBUTE DEFINITION SOURCE SBNMS

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Free text with special characters

ATTRIBUTE

ATTRIBUTE LABEL LonDMS

ATTRIBUTE DEFINITION

Longitude of shipwreck, in Degrees Minutes Seconds

ATTRIBUTE DEFINITION SOURCE SBNMS

ATTRIBUTE DOMAIN VALUES

UNREPRESENTABLE DOMAIN

Free text with special characters

ATTRIBUTE

ATTRIBUTE LABEL Fathoms

ATTRIBUTE DEFINITION

Depth of shipwreck, in fathoms

ATTRIBUTE DEFINITION SOURCE SBNMS

ATTRIBUTE DOMAIN VALUES

RANGE DOMAIN

RANGE DOMAIN MINIMUM 0

RANGE DOMAIN MAXIMUM 99999

OVERVIEW DESCRIPTION

ENTITY AND ATTRIBUTE OVERVIEW

Attributes describe shipwreck site location, vessel information if known, and depth of shipwreck.

ENTITY AND ATTRIBUTE DETAIL CITATION

NOAA Fisheries GARFO Permit Holder Letter to Scallopers, dated 3/22/2020.

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

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RESOURCE DESCRIPTION Downloadable Data

DISTRIBUTION LIABILITY

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METADATA DATE 2020-04-15

METADATA FUTURE REVIEW DATE 2024-04-15

METADATA CONTACT

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CONTACT POSITION GIS Specialist

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METADATA STANDARD NAME FGDC Content Standard for Digital Geospatial Metadata

METADATA STANDARD VERSION FGDC-STD-001-1998