Illex Fishery Mesh Exemption Area

Identification ►

CITATION
CITATION INFORMATION
ORIGINATOR NOAA Fisheries Greater Atlantic Regional Fisheries Office
PUBLICATION DATE 2014-05-01
TITLE Illex Fishery Mesh 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.nero.noaa.gov/gis
ONLINE LINKAGE http://www.nero.noaa.gov/

DESCRIPTION
ABSTRACT
This dataset depicts the boundaries of the Illex Fishery Mesh 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:
- Illex Fishery

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 2014-05-01
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
None.
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 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.nero.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 2013-11-25
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
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.

[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**  2013

**PROCESS STEP**
**PROCESS DESCRIPTION**
[Features From Templates] The Coast-to-EEZ template shapefile was copied and projected to NAD83 Mercator Projection. The coordinates of the Regulated Area definition were transferred to a spreadsheet, converted to Decimal Degrees, plotted as a point shapefile in NAD83, and then projected to NAD83 Mercator Projection. 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 the Coastline or EEZ the coinciding outward extent of the template polygon was used. 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. 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 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**  2013

**PROCESS STEP**
**PROCESS DESCRIPTION**
[Add Attributes] The standardized attribute schema was applied to the shapefile, and the fields were defined.
**PROCESS DATE**  2013

**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**  2014

**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**  2014

**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**  2014
[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  2014

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

PROCESS DATE  2014-05-01

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
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.

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**

**DISTRIBUTOR**

**CONTACT INFORMATION**

**CONTACT PERSON PRIMARY**

Contact Person Dean-Lorenz Szumylo

**CONTACT ORGANIZATION**

NOAA Fisheries Service Greater Atlantic Regional Fisheries Office, GIS Committee
Downloadable Data

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 2014-05-01
METADATA FUTURE REVIEW DATE 2018-05-01
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 FACSIMILE TELEPHONE 978-281-9333
CONTACT ELECTRONIC MAIL ADDRESS dean.szumylo@noaa.gov
CONTACT INSTRUCTIONS http://www.nero.noaa.gov/

METADATA STANDARD NAME FGDC Content Standard for Digital Geospatial Metadata
METADATA STANDARD VERSION FGDC-STD-001-1998