

Habitat Areas of Particular Concern

ArcGIS File Geodatabase Feature Class

Tags

Habitat Areas of Particular Concern, HAPC, Essential Fish Habitat, EFH, Habitat, Fish, Fisheries, NMFS, NOAA, groundfish, fishery management plan, FMP

Summary

The purpose of this dataset was to combine the individual HAPC feature classes from each region into one standardized and uniform dataset with proper metadata. A new set of attributes was created to store a common set of attributes with the most simplified information and provide linkages back to the original source documents.

Description

The purpose of HAPCs is to focus conservation, management, and research efforts on subsets of EFH that are vulnerable to degradation or are especially important ecologically for federally managed fish. The HAPC designation alone does not confer additional protection or restrictions to an area, but helps to focus EFH conservation, management, and research priorities. HAPC designation is a valuable way to acknowledge areas where we have detailed information on ecological function and habitat vulnerability, indicating a greater need for conservation and management. In some instances the Councils and NMFS may develop fishery management measures to conserve the habitat within the HAPC.

HAPCs are a subset of EFH that deserve special attention because they provide extremely important ecological functions and/or are especially vulnerable to degradation. For instance, HAPC designation may be warranted for areas that play a vital role in the reproductive cycle of a managed species (e.g., grouper spawning sites) or areas that contain a rare habitat type (e.g., corals) that may be sensitive to disturbance from fishing or other human activities.

Councils may designate an area as a HAPC for one or more of the following reasons:

- The habitat provides important ecological functions
- The habitat is sensitive to human-induced environmental degradation
- Development activities are, or will be, stressing the habitat
- The habitat type is rare.

Credits

NOAA Fisheries: Northeast Regional Office, Southeast Regional Office, Southwest Regional Office, Northwest Regional Office, Alaska Regional Office, Pacific Regional Office; Fishery Management Councils: New England, Mid-Atlantic, South Atlantic, Caribbean, Gulf of Mexico, Pacific, North Pacific, Western Pacific; NOAA Fisheries Science Centers: Northeast, Southeast, Southwest, Northwest, Pacific Islands, Alaska; Highly Migratory Species Division (headquarters); Habitat Protection Division (headquarters).

Use limitations

Although these data have been used by the National Oceanic and Atmospheric Administration, U.S. Department of Commerce, no warranty expressed or implied is made by the National Oceanic and Atmospheric Administration as to the accuracy of the data. The act of Distribution shall not constitute any such warranty, and no responsibility is assumed by the National Oceanic and Atmospheric Administration in the use of these data, software, or related materials.

Extent

West -74.759443 **East** -67.618000

North 40.532000 **South** 36.976946

Scale Range

There is no scale range for this item.

[ArcGIS Metadata](#) ►

[Topics and Keywords](#) ►

Themes or categories of the resource boundaries, oceans

* Content type Downloadable Data

[Citation](#) ►

Title Habitat Areas of Particular Concern

Creation date 2010-10-15

Publication date 2010-10-21

Presentation formats digital map

Citation Contacts ►

Responsible party

Individual's name Mike Onzay

Organization's name NOAA Fisheries / Office of Habitat Conservation / Habitat Protection Division

Contact's position GIS Specialist

Contact's role point of contact

Contact information ►

Address

Delivery point 1315 East-West Hwy

City Silver Spring

Administrative area MD

Postal code 20910

Country USA

e-mail address EFH.Mapper@noaa.gov

Online resource

Location <http://sharpfin.nmfs.noaa.gov/website/EFHI/dd/hapc.zip>

Function performed download

Resource Details ►

Dataset languages * English ()

Dataset character set utf8 - 8 bit UCS Transfer Format

Status on-going

Spatial representation type vector

Supplemental information

Each original dataset was created using its own methodology, with its own data structure, over a period of various date ranges, and may or may not have included metadata. Each council made its own determination about how to classify and protect essential fish habitat of which a HAPC is a subset: for a specific species, a group of species, a specific habitat type or a group of habitat types. For further information about specific features please contact the creator of that dataset. See the source section for contact information.

EFH and HAPC designations do not need to be codified into law and published in the Federal Register. Many of the HAPC or EFH boundaries are not published anywhere in the Federal Register but can be found in the Fishery Management Plans.

* Processing environment Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

Credits

NOAA Fisheries: Northeast Regional Office, Southeast Regional Office, Southwest Regional Office, Northwest Regional Office, Alaska Regional Office, Pacific Regional Office; Fishery Management Councils: New England, Mid-Atlantic, South Atlantic, Caribbean, Gulf of Mexico, Pacific, North Pacific, Western Pacific; NOAA Fisheries Science Centers: Northeast, Southeast, Southwest, Northwest, Pacific Islands, Alaska; Highly Migratory Species Division (headquarters); Habitat Protection Division (headquarters).

Extents ►

Extent

Description

ground condition

Geographic extent

Bounding rectangle

Extent type Extent used for searching

* West longitude -74.759443

* East longitude -67.618000

* North latitude 40.532000

* South latitude 36.976946

* Extent contains the resource Yes

Extent in the item's coordinate system

* West longitude -8322183.158300

* East longitude -7527201.331800

* South latitude 4435893.826800

* North latitude 4943554.867400

* Extent contains the resource Yes

Resource Points of Contact ►

Point of contact

Organization's name NOAA Fisheries Northeast Regional Office

Contact's role point of contact

Contact information ►

Online resource

Location <http://www.nero.noaa.gov/hcd/>

Description Guide to Essential Fish Habitat for Northeast & Mid-Atlantic species

Function performed information

Hide Contact information ▲

Point of contact

Organization's name NOAA Fisheries Southeast Regional Office

Contact's role point of contact

Contact information ►

Online resource

Location <http://sero.nmfs.noaa.gov/hcd/efh.htm>

Description Guide to Essential Fish Habitat for Caribbean, Gulf of Mexico, South Atlantic species

Function performed information

Point of contact

Organization's name NOAA Fisheries Alaska Regional Office

Contact's role point of contact

Contact information ►

Online resource

Location <http://www.fakr.noaa.gov/habitat/efhshp/default.htm>

Description Guide to Essential Fish Habitat for Alaska species

Function performed information

Point of contact

Organization's name NOAA Fisheries Northwest Regional Office

Contact's role point of contact

Contact information ►

Online resource

Location <http://www.nwr.noaa.gov/Groundfish-Halibut/Groundfish-Fishery-Management/Groundfish-EFH/Index.cfm>

Description Guide to Essential Fish Habitat for Northwest species

Function performed information

Point of contact

Organization's name NOAA Fisheries Southwest Regional Office

Contact's role point of contact

Contact information ►

Online resource

Location http://swr.nmfs.noaa.gov/hcd/HCD_webContent/EFH/index_EFH.htm

Description Guide to Essential Fish Habitat for Southwest species

Function performed information

Point of contact

Organization's name NOAA Fisheries Pacific Islands Regional Office

Contact's role point of contact

Contact information ►

Online resource

Location http://www.fpir.noaa.gov/HCD/hcd_efh.html

Description Guide to Essential Fish Habitat for Pacific species

Function performed information

Resource Maintenance ►

Resource maintenance

Update frequency as needed

Scope of the updates feature

Resource Constraints ►

Constraints

Limitations of use

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Limitations of use

Users are advised that the spatial representation of essential fish habitat is for informational purposes only and should not be solely relied on for regulatory purposes. Implementing regulations [50 CFR 600.815(a)(1)(iv)(B)] specify if there are differences between the descriptions of EFH in text and maps the textual description is ultimately determinative of the limits of EFH as described in the Amendment.

Security constraints

Classification unclassified

Spatial Reference ►

ArcGIS coordinate system

* Type Projected

* Geographic coordinate reference GCS_WGS_1984

* Projection WGS_1984_Web_Mercator_Auxiliary_Sphere

* Coordinate reference details

Projected coordinate system

Well-known identifier 102100

X origin -20037700

Y origin -30241100

XY scale 148923141.92838538

Z origin -100000

Z scale 10000

M origin -100000

M scale 10000

XY tolerance 0.001

Z tolerance 0.001

M tolerance 0.001

High precision true

Latest well-known identifier 3857

Well-known text

```
PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Mercator_Auxiliary_Sphere"],PARAMETER["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER["Central_Meridian",0.0],PARAMETER["Standard_Parallel_1",0.0],PARAMETER["Auxiliary_Sphere_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]
```

Reference system identifier

* Value 3857

* Codespace EPSG

* Version 8.8(9.3.1.2)

Spatial Data Properties ►

Vector ►

* Level of topology for this dataset geometry only

Geometric objects

Feature class name HAPC_MidAtl_2_sel_4areas_webmerc

* Object type composite

* Object count 4

ArcGIS Feature Class Properties ►

Feature class name HAPC_MidAtl_2_sel_4areas_webmerc

* Feature type Simple

* Geometry type Polygon

* Has topology FALSE

- * Feature count 4
- * Spatial index TRUE
- * Linear referencing FALSE

Data Quality ►

Scope of quality information ►

Resource level dataset

Lineage ►

Lineage statement

A new feature class was created with attributes. Features from the original datasets were copied into this feature class and the attributes were coded with the appropriate values.

Distribution ►

Distributor ►

Available format

* Name File Geodatabase Feature Class

Distribution format

* Name File Geodatabase Feature Class

Transfer options

* Transfer size 0.000

Fields ►

Details for object HAPC_MidAtl_2_sel_4areas_webmerc ►

* Type Feature Class

* Row count 4

Definition

In ArcGIS, a collection of geographic features with the same geometry type (such as point, line, or polygon), the same attributes, and the same spatial reference.

Definition source

ESRI GIS Dictionary

Field OBJECTID ►

* Alias OBJECTID

* Data type OID

* Width 4

* Precision 0

* Scale 0

* Field description

Internal feature number.

* Description source

Esri

* Description of values

Sequential unique whole numbers that are automatically generated.

Field Shape ►

* Alias Shape

* Data type Geometry

* Width 0

* Precision 0

* Scale 0

* Field description

Feature geometry.

* Description source

ESRI

* Description of values

Coordinates defining the features.

Field OBJECTID_1 ►

* Alias OBJECTID_1

* Data type Integer

* Width 4

* Precision 0

* Scale 0

Field Species ►

* Alias Species

* Data type String

* Width 100

* Precision 0

* Scale 0

Field description

The name of the species

Description source

Fishery Management Plan

Field Habitat ►

* Alias Habitat

* Data type String

* Width 50

* Precision 0

* Scale 0

Field description

The type of habitat

Description source

Fishery Management Plan

Field FisheryMan ►

* Alias FisheryMan

* Data type String

* Width 200

* Precision 0

* Scale 0

Field CodeOfFede ►

* Alias CodeOfFede

* Data type String

* Width 100

* Precision 0

* Scale 0

Field Publicatio ►

* Alias Publicatio

* Data type String

* Width 10

* Precision 0

* Scale 0

Field LinkToRegu ►

* Alias LinkToRegu

* Data type String

* Width 100

* Precision 0

* Scale 0

Field FisheryM_1 ►

* Alias FisheryM_1

* Data type String

* Width 100

* Precision 0

* Scale 0

Field LinkToFMP_ ►

* Alias LinkToFMP_

* Data type String

* Width 150

* Precision 0

* Scale 0

Field FisheryM_2 ►

- * Alias FisheryM_2
- * Data type String
- * Width 100
- * Precision 0
- * Scale 0

Field LinkToFMP1 ►

- * Alias LinkToFMP1
- * Data type String
- * Width 150
- * Precision 0
- * Scale 0

Field FisheryM_3 ►

- * Alias FisheryM_3
- * Data type String
- * Width 100
- * Precision 0
- * Scale 0

Field LinkToFM_1 ►

- * Alias LinkToFM_1
- * Data type String
- * Width 150
- * Precision 0

* Scale 0

Field FisheryM_4 ►

* Alias FisheryM_4

* Data type String

* Width 100

* Precision 0

* Scale 0

Field LinkToFM_2 ►

* Alias LinkToFM_2

* Data type String

* Width 150

* Precision 0

* Scale 0

Field FisheryM_5 ►

* Alias FisheryM_5

* Data type String

* Width 50

* Precision 0

* Scale 0

Field Shape_Leng ►

* Alias Shape_Leng

* Data type Double

* Width 8

* Precision 0

* Scale 0

Field LinkToFMP ►

* Alias LinkToFMP

* Data type String

* Width 250

* Precision 0

* Scale 0

Field description

Hyperlink to Fishery Management Plan

Field Shape_Area ►

* Alias Shape_Area

* Data type Double

* Width 8

* 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.

Field HAPC_Siten ►

* Alias HAPC_Siten

* Data type String

* Width 100

* Precision 0

* Scale 0

Field DataCaveat ►

* Alias DataCaveat

* Data type String

* Width 254

* Precision 0

* Scale 0

Field HAPC_Area ►

* Alias HAPC_Area

* Data type Double

* Width 8

* Precision 0

* Scale 0

Field Shape__Are ►

* Alias Shape__Are

* Data type Double

* Width 8

* Precision 0

* Scale 0

Field Shape_Length ►

* Alias Shape_Length

* Data type Double

* Width 8

* Precision 0

* Scale 0

* Field description

Length of feature in internal units.

* Description source

Esri

* Description of values

Positive real numbers that are automatically generated.

Field Shape__Len ►

* Alias Shape__Len

* Data type Double

* Width 8

* Precision 0

* Scale 0

Metadata Details ►

* Metadata language English ()

* Metadata character set utf8 - 8 bit UCS Transfer Format

Scope of the data described by the metadata * dataset

Scope name * dataset

* Last update 2024-09-27

ArcGIS metadata properties

Metadata format ArcGIS 1.0

Standard or profile used to edit metadata FGDC

Metadata style EPA Metadata Specification NAP ISO19115 2003

Created in ArcGIS for the item 2024-09-27 14:58:28

Last modified in ArcGIS for the item 2024-09-27 16:01:50

Automatic updates

Have been performed Yes

Last update 2024-09-27 16:01:50

Metadata Contacts ►

Metadata contact

Organization's name NOAA Fisheries / Office of Habitat Conservation / Habitat Protection Division

Contact's position GIS Specialist

Contact's role point of contact

Contact information ►

Address

Delivery point 1315 East West Hwy

City Silver Spring

Administrative area MD

Postal code 20910

Country USA

e-mail address EFH.Mapper@noaa.gov

Metadata Maintenance ►

Maintenance

Update frequency as needed

