Habitat Areas of Particular Concern

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	-179.999989	**East**	179.999989
North	58.456945	**South**	17.630033

Scale Range

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

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 it the Fishery Management Plans.

* PROCESSING ENVIRONMENT   Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.3.0.4322
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   -179.999989
* EAST LONGITUDE   179.999989
* NORTH LATITUDE   58.456945
* SOUTH LATITUDE   17.630033
* EXTENT CONTAINS THE RESOURCE   Yes
EXTENT IN THE ITEM'S COORDINATE SYSTEM
* WEST LONGITUDE   -20037507.067162
* EAST LONGITUDE   20037507.067162

* SOUTH LATITUDE   1994289.618474
* NORTH LATITUDE   8063926.160223
* 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

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
     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.
   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.

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   -22041545.367140558
      Y ORIGIN   -33272760.666300893
      XY SCALE   135368852.55357128
      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**   8.2.6

Spatial Data Properties

VECTOR
* **LEVEL OF TOPOLOGY FOR THIS DATASET**   geometry only

GEOMETRIC OBJECTS
    FEATURE CLASS NAME   habitats_of_particular_concern_area_v3
* **OBJECT TYPE**   composite
* **OBJECT COUNT**   162

ARCGIS FEATURE CLASS PROPERTIES
    FEATURE CLASS NAME   habitats_of_particular_concern_area_v3
* **FEATURE TYPE**   Simple
* **GEOMETRY TYPE**   Polygon
* **HAS TOPOLOGY**   FALSE
* **FEATURE COUNT**   162
* **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

Fields

DETAILS FOR OBJECT habitats_of_particular_concern_area_v3
* **TYPE**   Feature Class
* **ROW COUNT**   162

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 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 HAPC_Sitename
* ALIAS   HAPC_Sitename
* DATA TYPE   String
* WIDTH   100
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   The name of the HAPC site
DESCRIPTION SOURCE
   Fishery Management Plan

FIELD FisheryManagementPlan
* ALIAS   Fishery Management Plan
* DATA TYPE   String
* WIDTH   200
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
   The name of the Fishery Management Plan and/or amendment

FIELD LinkToFMP
* ALIAS   Link To FMP

* DATA TYPE   String
* WIDTH   100
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    Hyperlink to Fishery Management Plan

FIELD CodeOfFederalRegulations
* ALIAS   Code Of Federal Regulations
* DATA TYPE   String
* WIDTH   100
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    The title from the Code of Federal Regulations

FIELD PublicationDate
* ALIAS   Publication Date
* DATA TYPE   String
* WIDTH   10
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    The date that the implementing regulations for the fishery management action were published
    in the Federal Register

FIELD LinkToRegulations
* ALIAS   Link To Regulations
* DATA TYPE   String
* WIDTH   100
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    A hyperlink to the implementing regulations on the Federal Register website

FIELD FisheryManagementPlan_2
* ALIAS   Fishery Management Plan 2
* DATA TYPE   String
* WIDTH   100
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    The name of the Fishery Management Plan and/or amendment

FIELD LinkToFMP_2
* ALIAS   LinkToFMP_2
* DATA TYPE   String
* WIDTH   150
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    Hyperlink to Fishery Management Plan

FIELD FisheryManagementPlan_3
* ALIAS   Fishery Management Plan 3
* DATA TYPE   String
* WIDTH   100
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    The name of the Fishery Management Plan and/or amendment

FIELD LinkToFMP_3
* ALIAS   LinkToFMP_3
* DATA TYPE   String
* WIDTH   150
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    Hyperlink to Fishery Management Plan

FIELD FisheryManagementPlan_4
* ALIAS   Fishery Management Plan 4
* DATA TYPE   String
* WIDTH   100

* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    The name of the Fishery Management Plan and/or amendment

FIELD LinkToFMP_4
* ALIAS   LinkToFMP_4
* DATA TYPE   String
* WIDTH   150
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    Hyperlink to Fishery Management Plan

FIELD FisheryManagementPlan_5
* ALIAS   Fishery Management Plan 5
* DATA TYPE   String
* WIDTH   100
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    The name of the Fishery Management Plan and/or amendment

FIELD LinkToFMP_5
* ALIAS   LinkToFMP_5
* DATA TYPE   String
* WIDTH   150
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    Hyperlink to Fishery Management Plan

FIELD FisheryManagementCouncil
* ALIAS   Fishery Management Council
* DATA TYPE   String
* WIDTH   50
* PRECISION   0
* SCALE   0
FIELD DESCRIPTION
    The name of the Fishery Management Council that developed the associated Fishery
    Management Plan

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_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.

Metadata Details
* METADATA LANGUAGE   English ()
* METADATA CHARACTER SET   utf16 - 16 bit UCS Transfer Format
SCOPE OF THE DATA DESCRIBED BY THE METADATA   * dataset
SCOPE NAME   * dataset
* LAST UPDATE   2017-01-06
ARCGIS METADATA PROPERTIES

METADATA FORMAT   ArcGIS 1.0
STANDARD OR PROFILE USED TO EDIT METADATA   FGDC
METADATA STYLE   FGDC CSDGM Metadata
CREATED IN ARCGIS FOR THE ITEM   2017-01-05   14:02:23
LAST MODIFIED IN ARCGIS FOR THE ITEM   2017-01-06   10:06:07
AUTOMATIC UPDATES
   HAVE BEEN PERFORMED   Yes
   LAST UPDATE   2017-01-06   10:05:50

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