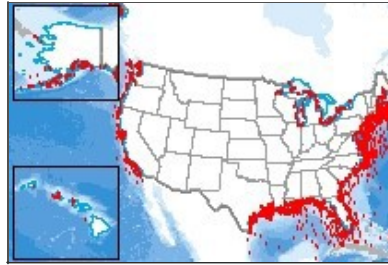


Marine/Wreck Obstruction



Tags

oceans, wrecks, obstructions, navigation, safety

Summary

To support coastal and ocean planning and other activities pursuant to the Coastal Zone Management Act, Energy Policy Act, Magnuson-Stevens Fishery Conservation and Management Act, National Environmental Policy Act, Rivers and Harbors Act and the Submerged Lands Act.

Description

In 1981, NOAA's National Ocean Service (NOS) implemented the Automated Wreck and Obstruction Information System (AWOIS) to assist in planning hydrographic survey operations and to catalog and store a substantial volume of reported wrecks and obstructions that are considered navigational hazards within U.S. coastal waters. As part of the hydrographic survey planning process, these records are reviewed and those records which require additional field investigation are assigned to specific field units for verification. The results of these investigations eventually become part of the AWOIS record so that a permanent history of a wreck or obstruction is always available. AWOIS is not a comprehensive record of wrecks in any particular area. There are wrecks in AWOIS that do not appear on the nautical chart and there are wrecks on the nautical chart that do not appear in AWOIS. Updates to AWOIS are ongoing; however, it will never completely address every known or reported wreck. For more information regarding this data and the definitions of the symbols please reference this report: http://www.nauticalcharts.noaa.gov/hsd/awois/AWOIS_Users_Guide_2013.pdf.

Credits

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

Use limitations

These data are intended for coastal and ocean use planning. Not for navigation.

Extent

West	-178.326408	East	145.617767
North	65.801033	South	14.964972

Scale Range

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

ArcGIS Metadata

Topics and Keywords

* CONTENT TYPE Downloadable Data

Citation

TITLE	Marine/Wreck Obstruction
PRESENTATION FORMATS	* digital map

Resource Details

DATASET LANGUAGES	* English (UNITED STATES)
SPATIAL REPRESENTATION TYPE	* vector
* PROCESSING ENVIRONMENT	Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.3.0.4322
CREDITS	

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

Extents

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

- * WEST LONGITUDE -178.326408
- * EAST LONGITUDE 145.617767
- * NORTH LATITUDE 65.801033
- * SOUTH LATITUDE 14.964972
- * EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

- * WEST LONGITUDE -19851204.933554
- * EAST LONGITUDE 16210095.672894
- * SOUTH LATITUDE 1685163.618459
- * NORTH LATITUDE 9822601.904682
- * EXTENT CONTAINS THE RESOURCE Yes

Resource Constraints

CONSTRAINTS

LIMITATIONS OF USE

These data are intended for coastal and ocean use planning. Not for navigation.

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 marine_obstruction_wreck_site_v3
* OBJECT TYPE point
* OBJECT COUNT 12660

ARCGIS FEATURE CLASS PROPERTIES

FEATURE CLASS NAME marine_obstruction_wreck_site_v3
* FEATURE TYPE Simple
* GEOMETRY TYPE Point
* HAS TOPOLOGY FALSE
* FEATURE COUNT 12660
* SPATIAL INDEX TRUE
* LINEAR REFERENCING FALSE

Distribution

DISTRIBUTION FORMAT

- * NAME File Geodatabase Feature Class

Fields

DETAILS FOR OBJECT [marine_obstruction_wreck_site_v3](#)

* TYPE Feature Class

* ROW COUNT 12660

DEFINITION

Wrecks and Obstructions

DEFINITION SOURCE

NOAA Coastal Services Center

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 [record](#)

* ALIAS Record

* DATA TYPE SmallInteger

* WIDTH 2

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Unique numerical record identifier

DESCRIPTION SOURCE

NOAA Office of Coast Survey

DESCRIPTION OF VALUES

Unique whole numbers that are automatically generated.

FIELD [vesselTerms](#)

* ALIAS Vessel\Terms

* DATA TYPE String

* WIDTH 30

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

Name of the vessel or the terms UNKNOWN, OBSTRUCTION, or SOUNDING.

DESCRIPTION SOURCE

NOAA Office of Coast Survey

DESCRIPTION OF VALUES

Information defining the feature.

FIELD [areaIdentifier](#)

* ALIAS Area Identifier

* DATA TYPE String

* WIDTH 1

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

A single capital letter designating a particular geographic zone will appear in this field.

DESCRIPTION SOURCE

NOAA Office of Coast Survey

DESCRIPTION OF VALUES

A single capital letter designating a particular geographic zone will appear in this field.

FIELD [chart](#)

* ALIAS Chart

- * DATA TYPE String
- * WIDTH 10
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Number of the largest scale National Ocean

DESCRIPTION SOURCE

NOAA Office of Coast Survey

DESCRIPTION OF VALUES

Information defining the feature.

FIELD positionQuality

- * ALIAS Position Quality
- * DATA TYPE String
- * WIDTH 10
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

An indicator of the relative positional quality of the feature.

DESCRIPTION SOURCE

NOAA Office of Coast Survey

DESCRIPTION OF VALUES

Information defining the feature

FIELD positionSource

- * ALIAS Position Source
- * DATA TYPE String
- * WIDTH 30
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

An indicator of the method in which the position was derived from the source document. The two selections available are:

DESCRIPTION SOURCE

NOAA Office of Coast Survey

DESCRIPTION OF VALUES

Information defining the feature.

FIELD depth

- * ALIAS Depth
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

Actual least depth or wire drag cleared depth over a feature that has been determined by hydrographic or wire drag survey methods.

DESCRIPTION SOURCE

NOAA Office of Coast Survey

DESCRIPTION OF VALUES

Information defining the feature.

FIELD soundingType

- * ALIAS Sounding Type
- * DATA TYPE String
- * WIDTH 30
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

A three-digit cartographic code (Appendix 2) which indicates the units in which the least depth over the feature has been determined.

DESCRIPTION SOURCE

NOAA Office of Coast Survey

DESCRIPTION OF VALUES

Information defining the feature.

FIELD yearSunk

- * ALIAS Year Sunk
- * DATA TYPE Integer
- * WIDTH 4
- * PRECISION 0
- * SCALE 0

FIELD DESCRIPTION

The year in which the vessel was sunk (if known).

DESCRIPTION SOURCE

NOAA Office of Coast Survey
DESCRIPTION OF VALUES
Information defining the feature.

FIELD history

* ALIAS History
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Memo field contains information about the AWOIS item. Some of the entries in this category are unverified and may be unreliable. Common codes include hydrographic survey registry numbers (e.g., H-9872/79), shoreline manuscript registry numbers (e.g., TP-00278), miscellaneous document numbers (e.g., CL980/76 and BP100234), and U.S. Coast Guard Local Notices to Mariners (LNM). Any positions in the History memo field are for reference purposes only and will have generally been superseded by the positions in the latitudeDD and longitudeDD fields.

DESCRIPTION SOURCE

NOAA Office of Coast Survey

DESCRIPTION OF VALUES

Information defining the feature.

FIELD latitudeDD

* ALIAS Latitude (DD)
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Latitude in decimal degrees. This represents the most accurate position available found in documents at NOS.

DESCRIPTION SOURCE

NOAA Office of Coast Survey

DESCRIPTION OF VALUES

Coordinates defining the feature.

FIELD longitudeDD

* ALIAS Longitude (DD)
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0

FIELD DESCRIPTION

Longitude in decimal degrees. This represents the most accurate position available found in documents at NOS.

DESCRIPTION SOURCE

NOAA Office of Coast Survey

DESCRIPTION OF VALUES

Coordinates defining the feature.

Metadata Details

* METADATA LANGUAGE English (UNITED STATES)
SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset
SCOPE NAME * dataset
* LAST UPDATE 2017-01-03

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE FGDC CSDGM Metadata
STANDARD OR PROFILE USED TO EDIT METADATA FGDC
CREATED IN ARCGIS FOR THE ITEM 2016-12-19 09:19:02
LAST MODIFIED IN ARCGIS FOR THE ITEM 2017-01-03 11:35:10

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2017-01-03 11:29:58