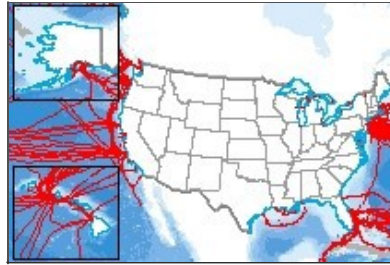


## Submarine Cable



### Tags

oceans, submarine cables, underwater cables, offshore cables

### Summary

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

### Description

These data depict the occurrence of submarine cables in and around U.S. navigable waters. The purpose of this data product is to support coastal planning at the regional and national scale. Source geometry and attributes were derived from 2010 NOAA Electronic Navigation Charts and 2009 NOAA Raster Nautical Charts. Polyline features explicitly defined as cables were compiled from the original sources, exclusive of those features noted as 'cable areas'. The scale of the source material was highly variable and discontinuities between multiple sources were resolved with least possible spatial adjustments. The original S-57 data model was modified for readability and performance.

### Credits

There are no credits for this item.

### Use limitations

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

### Extent

|              |             |              |            |
|--------------|-------------|--------------|------------|
| <b>West</b>  | -179.999976 | <b>East</b>  | 179.999989 |
| <b>North</b> | 61.194278   | <b>South</b> | 4.999994   |

### Scale Range

|                             |               |
|-----------------------------|---------------|
| <b>Maximum (zoomed in)</b>  | 1:5,000       |
| <b>Minimum (zoomed out)</b> | 1:150,000,000 |

## ArcGIS Metadata

### Topics and Keywords

\* CONTENT TYPE   Downloadable   Data

### Citation

TITLE   Submarine Cable  
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

### Extents

EXTENT  
GEOGRAPHIC EXTENT  
BOUNDING RECTANGLE  
EXTENT TYPE   Extent used for searching  
\* WEST LONGITUDE   -179.999976  
\* EAST LONGITUDE   179.999989  
\* NORTH LATITUDE   61.194278  
\* SOUTH LATITUDE   4.999994  
\* EXTENT CONTAINS THE RESOURCE   Yes

#### EXTENT IN THE ITEM'S COORDINATE SYSTEM

- \* WEST LONGITUDE -20037505.699285
- \* EAST LONGITUDE 20037507.067162
- \* SOUTH LATITUDE 557304.629269
- \* NORTH LATITUDE 8670569.373671
- \* 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\_cable\_line\_v3
- \* OBJECT TYPE composite
- \* OBJECT COUNT 2316

#### ARCGIS FEATURE CLASS PROPERTIES

- FEATURE CLASS NAME marine\_cable\_line\_v3
- \* FEATURE TYPE Simple
- \* GEOMETRY TYPE Polyline
- \* HAS TOPOLOGY FALSE
- \* FEATURE COUNT 2316
- \* SPATIAL INDEX TRUE
- \* LINEAR REFERENCING FALSE

## Distribution

#### DISTRIBUTION FORMAT

- \* NAME File Geodatabase Feature Class

## Fields

#### DETAILS FOR OBJECT marine\_cable\_line\_v3

- \* TYPE Feature Class
- \* ROW COUNT 2316

#### DEFINITION

Submarine cables within and connecting the marine waters of the United States

#### DEFINITION SOURCE

NOAA Office for Coastal Management

#### 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.

BEGINNING DATE OF VALUES 2011

ENDING DATE OF VALUES 2012

#### 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.

BEGINNING DATE OF VALUES 2011

ENDING DATE OF VALUES 2012

#### FIELD scaleBand

\* ALIAS scaleBand  
\* DATA TYPE String  
\* WIDTH 32  
\* PRECISION 0  
\* SCALE 0

#### FIELD DESCRIPTION

Scale band the feature was acquired from via the Electronic Navigational Charts or the Raster Navigational Charts

#### DESCRIPTION SOURCE

NOAA Office for Coastal Management

#### DESCRIPTION OF VALUES

Values unique to the feature

BEGINNING DATE OF VALUES 2011

ENDING DATE OF VALUES 2012

#### FIELD description

\* ALIAS description  
\* DATA TYPE String  
\* WIDTH 256  
\* PRECISION 0  
\* SCALE 0

#### FIELD DESCRIPTION

Any descriptive material related to the feature, acquired from the attributes from the ENC

#### DESCRIPTION SOURCE

NOAA Office for Coastal Management

#### DESCRIPTION OF VALUES

Values unique to the feature

BEGINNING DATE OF VALUES 2011

ENDING DATE OF VALUES 2012

#### FIELD effectiveDate

\* ALIAS effectiveDate  
\* DATA TYPE Date  
\* WIDTH 8  
\* PRECISION 0  
\* SCALE 0

#### FIELD DESCRIPTION

Date the feature was created or most currently represents

#### DESCRIPTION SOURCE

NOAA Office for Coastal Management

#### DESCRIPTION OF VALUES

Values unique to the feature

BEGINNING DATE OF VALUES 2011

ENDING DATE OF VALUES 2012

#### 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.

BEGINNING DATE OF VALUES 2011

ENDING DATE OF VALUES 2012

## 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 2016-12-15 08:49:44

LAST MODIFIED IN ARCGIS FOR THE ITEM 2017-01-03 10:47:35

#### AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2017-01-03 10:40:38