**Summary**

These GIS compatible digital files are provided to promote an understanding of the boundaries of each national marine sanctuary. They are based on the legal definition of each sanctuary as defined in the Code of Federal Regulations, at 15 C.F.R. Part 922 and the subparts for each national marine sanctuary. These digital files are not intended and should not be relied upon for use in navigation or legal purposes. For legal questions relating to these digital files specifically and the sanctuary boundaries in general, please contact the Office of National Marine Sanctuaries at the information provided in this metadata record.

**Description**

NOAA's Office of National Marine Sanctuaries (ONMS) oversees a system of sanctuaries and other managed areas around the country. The legal boundaries of these sanctuaries are defined within the Code of Federal Regulations, at 15 C.F.R. Part 922 and the subparts for each national marine sanctuary. The GIS compatible digital boundary files for each national marine sanctuary are representations of those legal boundaries and are based on the best available data. These files are available for public use at locations defined in this metadata record.

**Credits**

Office of National Marine Sanctuaries  
National Ocean Service  
National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

**Use limitations**

Not for legal use
**Extent**

<table>
<thead>
<tr>
<th>West</th>
<th>East</th>
</tr>
</thead>
<tbody>
<tr>
<td>-87.887785</td>
<td>-87.343882</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>North</th>
<th>South</th>
</tr>
</thead>
<tbody>
<tr>
<td>44.352801</td>
<td>43.315185</td>
</tr>
</tbody>
</table>

**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
- **Content Type**: Downloadable Data
- **Export to FGDC CSDGM XML Format as Resource Description**: No
- **Place Keywords**: Wisconsin, Lake Michigan, Sheboygan, Manitowoc, Two Rivers, Kewaunee
- **Theme Keywords**: national marine sanctuary, Lake Michigan, marine protected area, Wisconsin, shipwreck

**Citation**

- **Title**: WSCNMS_py
- **Alternate Titles**: Wisconsin-Shipwreck Coast National Marine Sanctuary
- **Creation Date**: 2021-06-21 00:00:00
- **Publication Date**: 2021-06-21 00:00:00
- **Presentation Formats**: *digital map*
- **FGDC Geospatial Presentation Format**: vector digital data

**Citation Contacts**

- **Responsible Party**
  - **Individual’s Name**: ONMS GIS Coordinator
  - **Organization’s Name**: Office of National Marine Sanctuaries/NOS/NOAA
  - **Contact’s Role**: point of contact

**Resource Details**

- **Dataset Languages**: *English (UNITED STATES)*
- **Dataset Character Set**: utf8 - 8 bit UCS Transfer Format
- **Spatial Representation Type**: *vector*
- **Processing Environment**: Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362
CREDITS
Office of National Marine Sanctuaries
National Ocean Service
National Oceanic and Atmospheric Administration
U.S. Department of Commerce

ARCgis Item Properties
* Name WSCNMS_py
* Size 0.043
* Location https://sanctuaries.noaa.gov/library/imast_gis.html

Hide Resource Details ▲

Extents ►

Extent
Description
Extent used for searching

Geographic Extent
Bounding Rectangle
West Longitude -87.889
East Longitude -87.325
South Latitude 43.309
North Latitude 44.363
Extent Contains the Resource Yes

Extent
Geographic Extent
Bounding Rectangle
Extent Type Extent used for searching
* West Longitude -87.887785
* East Longitude -87.343882
* North Latitude 44.352801
* South Latitude 43.315185
* Extent Contains the Resource Yes

Extent In the Item’s Coordinate System
* West Longitude -87.887785
* East Longitude -87.343882
* South Latitude 43.315185
* North Latitude 44.352801
* Extent Contains the Resource Yes

Hide Extents ▲

Resource Points of Contact ►

Point of Contact
Individual’s Name ONMS GIS Coordinator
Organization’s Name Office of National Marine Sanctuaries/NOS/NOAA
Contact’s Role point of contact

Hide Resource Points of Contact ▲
**Resource Maintenance**

**UPDATE FREQUENCY** as needed

**Resource Constraints**

**LIMITATIONS OF USE**
Not for legal use

**Spatial Reference**

**ARCGIS COORDINATE SYSTEM**

* **TYPE** Geographic
* **GEOGRAPHIC COORDINATE REFERENCE** GCS_North_American_1983
* **COORDINATE REFERENCE DETAILS**

**GEOGRAPHIC COORDINATE SYSTEM**

WELL-KNOWN IDENTIFIER 4269
X ORIGIN -400
Y ORIGIN -400
XY SCALE 11258999068426.238
Z ORIGIN -100000
Z SCALE 10000
M ORIGIN -100000
M SCALE 10000
XY TOLERANCE 8.9831528411952133e-09
Z TOLERANCE 0.001
M TOLERANCE 0.001
HIGH PRECISION true
LEFT LONGITUDE -180
LATEST WELL-KNOWN IDENTIFIER 4269
WELL-KNOWN TEXT GEOGCS["GCS_North_American_1983",DATUM["D_North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433],AUTHORITY["EPSG",4269]]

**REFERENCE SYSTEM IDENTIFIER**

* **VALUE** 4269
* **CODESPACE** EPSG
* **VERSION** 9.8(3.0.1)

**Spatial Data Properties**

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

**GEOGRAPHIC OBJECTS**

**FEATURE CLASS NAME** WSCNMS_py
* **OBJECT TYPE** composite
* **OBJECT COUNT** 1
**ARCGIS Feature Class Properties**

**Feature Class Name**: WSCNMS_py
- **Feature Type**: Simple
- **Geometry Type**: Polygon
- **Has Topology**: FALSE
- **Feature Count**: 1
- **Spatial Index**: TRUE
- **Linear Referencing**: FALSE

**Data Quality**

**Scope of Quality Information**
- **Resource Level**: feature
- **Scope Description**: Features
  - sanctuary boundary

**Distribution**

**Distribution Format**
- **Name**: Shapefile
- **Version**: v1

**Transfer Options**
- **Transfer Size**: 0.043

**Fields**

**Details for Object**: WSCNMS_py
- **Type**: Feature Class
- **Row Count**: 1

**Definition**: sanctuary boundary

**Definition Source**: feature polygon

**Field FID**
* **ALIAS** FID
  
  * **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.

  
  **MEASUREMENT FREQUENCY** not planned

  * Hide Field FID ▲

**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.

  
  **MEASUREMENT FREQUENCY** not planned

  * Hide Field Shape ▲

**FIELD Sanctuary** ▶

  * **ALIAS** Sanctuary
  
  * **DATA TYPE** String
  
  * **WIDTH** 30
  
  * **PRECISION** 0
  
  * **SCALE** 0
  
  * **FIELD DESCRIPTION**
    
    Name of sanctuary

  * **DESCRIPTION SOURCE**
    
    Feature name

  
  **MEASUREMENT FREQUENCY** not planned

  * Hide Field Sanctuary ▲
FIELD Area_SqMi ►
* ALIAS Area_SqMi
* DATA TYPE Double
* WIDTH 13
* PRECISION 12
* SCALE 5
FIELD DESCRIPTION
  Area estimate in square statute miles

DESCRIPTION SOURCE
  Feature calculate geometry

MEASUREMENT FREQUENCY not planned

Hide Field Area_SqMi ►

FIELD Area_SqNMi ►
* ALIAS Area_SqNMi
* DATA TYPE Double
* WIDTH 13
* PRECISION 12
* SCALE 5
FIELD DESCRIPTION
  Area estimate in square nautical miles

DESCRIPTION SOURCE
  Feature calculate geometry

MEASUREMENT FREQUENCY not planned

Hide Field Area_SqNMi ►

FIELD Area_SqKm ►
* ALIAS Area_SqKm
* DATA TYPE Double
* WIDTH 13
* PRECISION 12
* SCALE 5
FIELD DESCRIPTION
  Area estimate in square statute kilometers

DESCRIPTION SOURCE
  Feature calculate geometry

MEASUREMENT FREQUENCY not planned

Hide Field Area_SqKm ►

FIELD Area_Acres ►
* ALIAS Area_Acres
* DATA TYPE Double
* WIDTH 13
* PRECISION 12
* SCALE 5
FIELD DESCRIPTION

Hide Field Area_Acres ►
Area estimate in acres

DESCRIPTION SOURCE
Feature calculate geometry

MEASUREMENT FREQUENCY unknown

Hide Field Area_Acres ▲

FIELD Datum ▶
* ALIAS Datum
* DATA TYPE String
* WIDTH 15
* PRECISION 0
* SCALE 0
FIELD DESCRIPTION
Horizontal datum of geographic (unprojected) coordinates

DESCRIPTION SOURCE
Feature

MEASUREMENT FREQUENCY not planned

Hide Field Datum ▲

Hide Details for object WSCNMS_py ▲

Hide Fields ▲

Metadata Details ▶

* METADATA LANGUAGE English (UNITED STATES)
* METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset
SCOPE NAME *dataset

* LAST UPDATE 2021-06-22

ARCGIS METADATA PROPERTIES
METADATA FORMAT ArcGIS 1.0
STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2021-06-22 12:01:37
LAST MODIFIED IN ARCGIS FOR THE ITEM 2021-06-22 13:39:28

AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2021-06-22 13:19:17

Hide Metadata Details ▲

Metadata Contacts ▶
Metadata Maintenance

MAINTENANCE

MAINTENANCE CONTACT

INDIVIDUAL'S NAME   ONMS GIS Coordinator
ORGANIZATION'S NAME Office of National Marine Sanctuaries/NOS/NOAA
CONTACT'S ROLE      point of contact

Hide Metadata Maintenance ▲

Thumbnail and Enclosures

THUMBNAIL

THUMBNAIL TYPE   JPG

Hide Thumbnail and Enclosures ▲

FGDC Metadata (read-only)

Entities and Attributes

DETAILED DESCRIPTION

ENTITY TYPE

ENTITY TYPE LABEL   WSCNMS_py
ENTITY TYPE DEFINITION
sanctuary boundary
ENTITY TYPE DEFINITION SOURCE   feature polygon

ATTRIBUTE

ATTRIBUTE LABEL   FID
ATTRIBUTE DEFINITION
Internal feature number.
ATTRIBUTE DEFINITION SOURCE   Esri
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Sequential unique whole numbers that are automatically generated.
ATTRIBUTE MEASUREMENT FREQUENCY
011

ATTRIBUTE

ATTRIBUTE LABEL   Shape
ATTRIBUTE DEFINITION
Feature geometry.
ATTRIBUTE DEFINITION SOURCE   Esri
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Coordinates defining the features.
ATTRIBUTE MEASUREMENT FREQUENCY
011
ATTRIBUTE
ATTRIBUTE LABEL  Sanctuary
ATTRIBUTE DEFINITION
Name of sanctuary
ATTRIBUTE DEFINITION SOURCE  Feature name
ATTRIBUTE MEASUREMENT FREQUENCY  011

ATTRIBUTE
ATTRIBUTE LABEL  Area_SqMi
ATTRIBUTE DEFINITION
Area estimate in square statute miles
ATTRIBUTE DEFINITION SOURCE  Feature calculate geometry
ATTRIBUTE MEASUREMENT FREQUENCY  011

ATTRIBUTE
ATTRIBUTE LABEL  Area_SqNMi
ATTRIBUTE DEFINITION
Area estimate in square nautical miles
ATTRIBUTE DEFINITION SOURCE  Feature calculate geometry
ATTRIBUTE MEASUREMENT FREQUENCY  011

ATTRIBUTE
ATTRIBUTE LABEL  Area_SqKm
ATTRIBUTE DEFINITION
Area estimate in square statute kilometers
ATTRIBUTE DEFINITION SOURCE  Feature calculate geometry
ATTRIBUTE MEASUREMENT FREQUENCY  011

ATTRIBUTE
ATTRIBUTE LABEL  Area_Acres
ATTRIBUTE DEFINITION
Area estimate in acres
ATTRIBUTE DEFINITION SOURCE  Feature calculate geometry
ATTRIBUTE MEASUREMENT FREQUENCY  012

ATTRIBUTE
ATTRIBUTE LABEL  Datum
ATTRIBUTE DEFINITION
Horizontal datum of geographic (unprojected) coordinates
ATTRIBUTE DEFINITION SOURCE  Feature
ATTRIBUTE MEASUREMENT FREQUENCY  011