

Mississippi State Boundary (2015)

Shapefile

Thumbnail Not Available

Tags

Census, Demographic, Boundaries, Administrative

Summary

The data were created in support of the MARIS Technical Center (MTC) framework data development effort. This data has been updated several times to increase accuracy and reliability of data. The 2015 updates represent federal delineations of the MS Gulf Coast boundary.

Description

Original GIS polygon dataset derived from the 1990 Census Bureau's TIGER files. The original scale of the data is 1:100,000 and covers the entire state of Mississippi. Using coding from the TIGER files, this dataset includes only county boundaries. . *** Data was updated in April 2007 using 1:24,000 USGS Digital Raster Graphics. ** Gulf Coastal Boundary was updated in May 2015 by MARIS staff using the guidance of MDEQ Office of Geology's Mississippi/Louisiana border based using 1906 Supreme Court decision, MDEQ's Offshore Mineral Lease map, and the US Bureau of Ocean Energy, Mapping and Boundary Branch's Submerged Lands Act 2011 Boundary.

Credits

U.S. Census, MS Department of Environmental Quality, U.S. Bureau of Ocean Energy Management, MARIS

Use limitations

There are no access and use limitations for this item.

Extent

West -91.737338 **East** -88.095764
North 35.005444 **South** 30.098142

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, imageryBaseMapsEarthCover

* CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

Citation ►

TITLE MS State Boundary (2015)

ALTERNATE TITLES stbnd

CREATION DATE 2015-05-20 00:00:00

PUBLICATION DATE 2011-12-01 00:00:00
REVISION DATE 2015-05-20 00:00:00

PRESENTATION FORMATS * digital map
FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

Citation Contacts ►

RESPONSIBLE PARTY

INDIVIDUAL'S NAME Steve Walker
ORGANIZATION'S NAME MARIS
CONTACT'S POSITION GIS Operations Manager
CONTACT'S ROLE distributor

CONTACT INFORMATION ►

PHONE
VOICE 601 432-6149

ADDRESS

TYPE physical
DELIVERY POINT 3825 Ridgewood Rd Suite 717
CITY Jackson
ADMINISTRATIVE AREA MS
POSTAL CODE 39211
COUNTRY US
E-MAIL ADDRESS swalker@mississippi.edu

HOURS OF SERVICE

M-F 7:00 am to 3:00 pm CDT

Resource Details ►

DATASET LANGUAGES * English (UNITED STATES)
DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE * vector

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.2.0.3348

CREDITS

U.S. Census, MS Department of Environmental Quality, U.S. Bureau of Ocean Energy Management, MARIS

ARCGIS ITEM PROPERTIES

* NAME stbnd
* SIZE 0.230
* LOCATION file://\SWALKER-PC\E\$\DATA\Updated_State_Border\stbnd.shp
* ACCESS PROTOCOL Local Area Network

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

* WEST LONGITUDE -91.737338

* EAST LONGITUDE -88.095764

* NORTH LATITUDE 35.005444

* SOUTH LATITUDE 30.098142

* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE 318573.318251

* EAST LONGITUDE 651004.984002

* SOUTH LATITUDE 1035233.967372

* NORTH LATITUDE 1577852.520054

* EXTENT CONTAINS THE RESOURCE Yes

Resource Points of Contact ►

POINT OF CONTACT

INDIVIDUAL'S NAME Steve Walker

ORGANIZATION'S NAME MARIS

CONTACT'S POSITION GIS Operations Manager

CONTACT'S ROLE distributor

CONTACT INFORMATION ►

ADDRESS

TYPE

E-MAIL ADDRESS swalker@mississippi.edu

POINT OF CONTACT

INDIVIDUAL'S NAME Barbara Yassin

ORGANIZATION'S NAME MS Department of Environmental Quality - Office of Geology

CONTACT'S POSITION GIS Specialist

CONTACT'S ROLE resource provider

CONTACT INFORMATION ►

ADDRESS

TYPE

E-MAIL ADDRESS Barbara_yassin@deq.state.ms.us

Resource Maintenance ►

RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

- * TYPE Projected
- * GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
- * PROJECTION MSTM
- * COORDINATE REFERENCE DETAILS

PROJECTED COORDINATE SYSTEM

X ORIGIN -5122200
Y ORIGIN -12297100
XY SCALE 450339697.45066422
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

WELL-KNOWN TEXT

PROJCS["MSTM",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]],PROJECTION["Transverse_Mercator"],PARAMETER["False_Easting",500000.0],PARAMETER["False_Northing",1300000.0],PARAMETER["Central_Meridian",-89.75],PARAMETER["Scale_Factor",0.9998335],PARAMETER["Latitude_Of_Origin",32.5],UNIT["Meter",1.0]]

REFERENCE SYSTEM IDENTIFIER

- * VALUE 0

Spatial Data Properties ►

VECTOR ►

- * LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME stbnd
* OBJECT TYPE composite
* OBJECT COUNT 1

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME stbnd
* 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 series

Lineage ►

LINEAGE STATEMENT

The data was originally acquired using 1990 Census TIGER lines. The data was updated by MARIS staff using 1:24,000 DRGS. Additional clarification was made using BOEM MS/AL Submerged Lands Act Boundary and MDEQ - MS/LA tidal leases boundaries (see Process Steps).

PROCESS STEP ►

WHEN THE PROCESS OCCURRED 2011-07-01 00:00:00

DESCRIPTION

The following is a process document by MDEQ- Office of Geology on their development of the MS/LA border.

The Mississippi Louisiana Boundary 2/26/10 Barbara Yassin

The Mississippi state boundary, starting at the mouth of the Pearl River going east to where it meets the Federal boundary, was generated based on the following:

The 1906 Supreme Court decision that describes the Mississippi – Louisiana boundary and where it will be permanently buoyed and delineated on a map “made up of the parts of charts Nos. 190 and 191 of the U.S Coast and Geodetic Survey” The Mylar copy of the combined charts is T-sheet # 2954a. It was georectified, the buoy coordinates were mapped and the boundary line to the last marked buoy was digitized.

From the last buoy, running east to the federal boundary, the adopted 1969 Mississippi Sound Lease Block Map was georectified and digitized. It stays consistent with what the Office of Geology has historically recognized and used previously.

In more detail:

The lease block map is the result of the “Mississippi Code of 1972, 29-7-3 Lease of state lands for minerals; ...” where it states, “The Department of Environmental Quality is authorized to employ competent engineering personnel to survey the territorial waters of this state in the Mississippi Sound and the Gulf of Mexico and to prepare a map or plat of such territorial waters, The commission is authorized to adopt such survey, plat or map for leasing of such submerged lands for mineral development; and such leases may, after the adoption of such plat or map, be made by reference to the map or plat, which shall be on permanent file with the commission and a copy thereof on file in the Office of the State Oil and Gas Board.”

This map was adopted by a commission in 1969.

Then in 2004 Mississippi Senate bill no. 2853 added:

The commission may only offer for lease the state-owned lands in Blocks 40, 41, 42, 43, 63, 64 and 66 through 98, inclusive, as shown on the Mississippi Department of Environmental Quality Bureau of Geology Plat of Lease Blocks (Open File Report 151) on terms and conditions and for a length of time as determined by the commission.

To create 151 in digital form, I scanned the 1969 lease block map and it was georectified. I displayed it in 1927 state plane east zone and checked the coordinates displayed on the gradicule lines for accuracy.

Going east, I used snapping to connect the end of the arcs and using the 1969 boundary, digitized the Mississippi boundary from the last 1909 buoy to the federal-state boundary.

The federal-state boundary was downloaded from Bureau of Ocean Energy Management (BOEM), Bureau of Safety and Environmental Enforcement (BSEE): http://www.data.bsee.gov/homepg/data_center/mapping/geographic_mapping.asp This Fed/State boundary delineates the state seaward boundary for the Gulf of Mexico from the Submerged Lands Act.

RATIONALE

It stays consistent with what the Office of Geology has historically recognized and used previously for a boundary. It is also used in the 2007 Gulf Regional base mapping MDEM project.

PROCESS STEP

WHEN THE PROCESS OCCURRED 2015-05-20 00:00:00

DESCRIPTION

MARIS staff used the original stbnd shapefile as a starting point. In the background was the BOEM Submerged Lands Act Boundary and the MDEQ Louisiana/ Mississippi border. Line types/colors for the background data were chosen to allow the edited stbnd layer to be drawn over the base information. Editing was performed at 1:1,500 scale ensuring a very tight match. Vertices of stbnd were moved along the Coastal boundaries to snap to the BOEM data and the MDEQ background line data. This was performed across the entire MS Gulf Coast region May 20, 2015.

RATIONALE

To ensure the MARIS stbnd layer would match the official federal government state boundaries along the Gulf Coast of Mississippi.

SOURCE DATA

DESCRIPTION

US Census 1990 TIGER data

SOURCE MEDIUM NAME CD-ROM

RESOLUTION OF THE SOURCE DATA

SCALE DENOMINATOR 100000

SOURCE CITATION

TITLE US Census

REVISION DATE 2007-08-01 00:00:00

SOURCE DATA ▶

DESCRIPTION

USGS 1:24,000 DRGs

SOURCE MEDIUM NAME DVD

RESOLUTION OF THE SOURCE DATA

SCALE DENOMINATOR 24000

SOURCE CITATION ▶

TITLE DRG

PUBLICATION DATE 2007-05-01 00:00:00

SOURCE DATA ▶

DESCRIPTION

US Bureau of Ocean Energy Management, Mapping and Boundary Branch - MS / LA boundary

http://www.data.bsee.gov/homepg/data_center/mapping/geographic_mapping.asp

SOURCE MEDIUM NAME online link

RESOLUTION OF THE SOURCE DATA

SCALE DENOMINATOR 24000

SOURCE CITATION ▶

TITLE BOEM Submerged Lands Act Boundary - Gulf of Mexico

CREATION DATE 2011-06-01 00:00:00

SOURCE DATA ▶

DESCRIPTION

MS Department of Environmental Quality - Office of Geology MS/LA border - please contact Barbara Yassin for a detailed process document of this data.
barbara_yassin@deq.state.ms.us

SOURCE MEDIUM NAME online link

RESOLUTION OF THE SOURCE DATA

SCALE DENOMINATOR 24000

SOURCE CITATION ▶

TITLE MDEQ - Office of Geology MS/LA border

CREATION DATE 2010-04-21 00:00:00

Geoprocessing history ►

PROCESS

PROCESS NAME DefineProjection_1

DATE 2005-06-29 09:36:13

TOOL LOCATION C:\Program Files\ArcGIS\ArcToolbox\Toolboxes\Data Management Tools.tbx\DefineProjection

COMMAND ISSUED

```
DefineProjection C:\newcovs\plsdata\newplsdata\mstmav\stbnd.shp
PROJCS['mstm',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]],PROJECTION['Transverse_Mercator'],PARAMETER['False_Easting',500000.0],PARAMETER['False_Northing',1300000.0],PARAMETER['Central_Meridian',-89.75],PARAMETER['Scale_Factor',0.9998335],PARAMETER['Latitude_Of_Origin',32.5],UNIT['Meter',1.0]] C:\newcovs\plsdata\newplsdata\mstmav\stbnd.shp
```

INCLUDE IN LINEAGE WHEN EXPORTING METADATA No

Distribution ►

DISTRIBUTION FORMAT

* NAME Shapefile

VERSION 10.2

TRANSFER OPTIONS

* TRANSFER SIZE 0.230

Fields ►

DETAILS FOR OBJECT stbnd ►

* TYPE Feature Class

* ROW COUNT 1

DEFINITION

Unincorporated Places

DEFINITION SOURCE

MARIS

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.

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 AREA ▶

* ALIAS AREA

* DATA TYPE Double

* WIDTH 20

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

area of the political boundary in square decimal degrees

DESCRIPTION SOURCE

MARIS

DESCRIPTION OF VALUES

measurement

FIELD PERIMETER ▶

* ALIAS PERIMETER

* DATA TYPE Double

* WIDTH 20

* PRECISION 0

* SCALE 0

FIELD DESCRIPTION

perimeter of the political boundary in decimal degrees

DESCRIPTION SOURCE

MARIS

DESCRIPTION OF VALUES
measurement

FIELD STBND_ ▶

* ALIAS STBND_
* DATA TYPE Double
* WIDTH 11
* PRECISION 11
* SCALE 0

FIELD DESCRIPTION
ESRI Internal ID

DESCRIPTION SOURCE
ESRI

DESCRIPTION OF VALUES
ESRI

FIELD STBND_ID ▶

* ALIAS STBND_ID
* DATA TYPE Double
* WIDTH 11
* PRECISION 11
* SCALE 0

FIELD DESCRIPTION
ESRI Internal #

DESCRIPTION SOURCE
ESRI

DESCRIPTION OF VALUES
measurement

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 2015-05-20

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

CREATED IN ARCGIS FOR THE ITEM 2005-06-29 09:36:13
LAST MODIFIED IN ARCGIS FOR THE ITEM 2015-05-20 12:54:32

AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2015-05-20 12:05:14

Metadata Contacts ►

METADATA CONTACT

INDIVIDUAL'S NAME Steve Walker
ORGANIZATION'S NAME MARIS
CONTACT'S POSITION GIS Operations Manager
CONTACT'S ROLE distributor

CONTACT INFORMATION ►

PHONE

VOICE 601 432-6149

ADDRESS

TYPE physical
DELIVERY POINT 3825 Ridgewood Rd Suite 717
CITY Jackson
ADMINISTRATIVE AREA MS
POSTAL CODE 39211
COUNTRY US
E-MAIL ADDRESS swalker@mississippi.edu

HOURS OF SERVICE

M-F 7:00 am to 3:00 pm CDT

Metadata Maintenance ►

MAINTENANCE

UPDATE FREQUENCY as needed

Metadata Constraints ►

CONSTRAINTS

LIMITATIONS OF USE

none