

Mississippi-Atchafalaya River Basin

(Also referred to in the Nitrogen and Phosphorus Pollution Data Access Tool (NPDAT) as: “Mississippi-Atchafalaya River Basin Boundary”)

Metadata:

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Identification_Information:

Citation:

Citation_Information:

Originator: U.S. Environmental Protection Agency (EPA)

Publication_Date: 2011

Title:

Mississippi-Atchafalaya River Basin

Edition: 1

Geospatial_Data_Presentation_Form: vector digital data

Publication_Information:

Publication_Place: Washington, DC

Publisher: U.S. EPA Office of Water

Online_Linkage: <http://gispub2.epa.gov/NPDAT>

Original Source Citation:

Citation_Information:

Originator: Steeves, Peter and Douglas Nebert

Publication_Date: 1994

Title:

1:250,000-scale Hydrologic Units of the United States

Edition: 1

Geospatial_Data_Presentation_Form: vector digital data

Series_Information:

Series_Name: Open-File Report

Issue_Identification: 94-0236

Publication_Information:

Publication_Place: Reston, Virginia

Publisher: U.S. Geological Survey

Online_Linkage: <http://water.usgs.gov/lookup/getspatial?huc250k>

Description:

Abstract:

The Mississippi-Atchafalaya River Basin (MARB) boundary was derived from Hydrologic Units created by the U.S. Geological Survey (USGS) and their Geographic Information Retrieval and Analysis System (GIRAS). The MARB boundary was created using the boundaries for the following 2-digit Hydrologic Unit Codes (HUC): 05 (Ohio Region), 06 Tennessee Region), 07 (Upper Mississippi Region), 08 (Lower Mississippi Region), 10 Missouri Region), and 11 (Arkansas-White-Red Region).

Purpose:

An intermediate-scale (1:250,000) river basin boundary for viewing in context other geospatial data layers in the Nitrogen and Phosphorus Pollution Data Access Tool (NPDAT).

Supplemental_Information:

HUC boundaries are based on: *Seaber, P.R., F.P. Kapinos, and G.L. Knapp, 1987. Hydrologic Unit maps: U.S. Geol. Surv. Water-Supply Paper 2294, 63 p.* Available online at: <http://water.usgs.gov/GIS/huc.html>. The metadata for the original source layer can be found online at: <http://water.usgs.gov/GIS/metadata/usgswrd/XML/huc250k.xml>.

GIRAS was developed in the mid 70s to put into digital form a number of data layers which were of interest to the USGS. One of these data layers was the Hydrologic Units. The map is based on the Hydrologic Unit Maps published by the USGS Office of Water Data Coordination, together with the list descriptions and name of region, subregion, accounting units, and cataloging unit. The hydrologic units are encoded with an eight-digit number that indicates the hydrologic region (first two digits), hydrologic subregion (second two digits), accounting unit (third two digits), and cataloging unit (fourth two digits). The data produced by GIRAS was originally collected at a scale of 1:250,000.

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20110608

Currentness_Reference:

Publication date

Status:

Progress: Complete

Maintenance_and_Update_Frequency: None Planned

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -114.066657

East_Bounding_Coordinate: -77.836565

North_Bounding_Coordinate: 49.000026

South_Bounding_Coordinate: 28.929801

Keywords:

Theme:

Theme_Keyword_Thesaurus: None
Theme_Keyword: watersheds
Theme_Keyword: inlandWaters
Theme_Keyword: Mississippi-Atchafalaya River Basin

Theme:

Theme_Keyword_Thesaurus: ISO 19115 Topic Category
Theme_Keyword: boundaries

Theme:

Theme_Keyword_Thesaurus: EPA GIS Keyword Thesaurus
Theme_Keyword: Environment

Place:

Place_Keyword_Thesaurus: None
Place_Keyword: Conterminous United States

Stratum:

Stratum_Keyword_Thesaurus: None
Stratum_Keyword: None

Temporal:

Temporal_Keyword_Thesaurus: None
Temporal_Keyword: None

Access_Constraints: None

Use_Constraints:

These data were digitized at a scale of 1:250,000 with some portions of coverage at 1:100,000- and 1:2,000,000 scale. Limitations of the data strictly revolve around this scale input. Use of these boundaries with larger scale data (i.e., 1:24,000 hydrography) is not recommended as it would be beyond the resolution capabilities of the data set.

Data_Set_Credit:

U.S. Geological Survey (USGS)

Security_Information:

Security_Classification_System: None

Security_Classification: Unclassified

Security_Handling_Description: None

Native_Data_Set_Environment:

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3; ESRI

ArcCatalog 9.3.1.4000

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Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report:

See Entity_Attribute_Information

Quantitative_Attribute_Accuracy_Assessment:

Attribute_Accuracy_Value: See Explanation

Attribute_Accuracy_Explanation:

Attribute accuracy is described, where present, with each attribute defined in the Entity and Attribute Section.

Logical_Consistency_Report:

Polygon and chain-node topology present.

Completeness_Report:

Features represented have not been tested for completeness.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

Original_Source_Metadata:

Please see USGS FGDC metadata available at:
<http://water.usgs.gov/GIS/metadata/usgswrd/XML/huc250k.xml>

Vertical_Positional_Accuracy:

Vertical_Positional_Accuracy_Report:

Original_Source_Metadata:

Please see USGS FGDC metadata available at:
<http://water.usgs.gov/GIS/metadata/usgswrd/XML/huc250k.xml>

Lineage:

Process_Step:

Process_Description:

1:250,000 scale HUC8 polygon shapefile clipped to MARB based on 2-digit HUC codes 05, 06, 07, 08, 10, and 11.

Process_Date: April 2011

Process_Step:

Process_Description:

HUC8 polygons dissolved to create one polygon.

Process_Date: April 2011

Process_Step:

Process_Description:

Projected from NAD_1927_Albers to GCS_North_American_1983 for the data download and WGS_1984_Web_Mercator_Auxiliary_Sphere for the NPDAT application.

Process_Date: April 2011

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Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: G-polygon

Point_and_Vector_Object_Count: 1

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: String

Point_and_Vector_Object_Count: 14841

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: GT-polygon composed of chains

Point_and_Vector_Object_Count: 2157

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Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Geographic:

Latitude_Resolution: 0.000000

Longitude_Resolution: 0.000000

Geographic_Coordinate_Units: Decimal degrees

Geodetic_Model:

Horizontal_Datum_Name: D_WGS_1984

Ellipsoid_Name: WGS_1984

Semi-major_Axis: 6378137.000000

Denominator_of_Flattening_Ratio: 298.257224

Vertical_Coordinate_System_Definition:

Altitude_System_Definition:

Altitude_Resolution: 0.000100

Altitude_Encoding_Method:

Explicit elevation coordinate included with horizontal coordinates

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Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: marb_bndy_1

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:

Attribute_Label: Shape

Attribute_Definition:

Feature geometry.

Attribute_Definition_Source:
ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:
Coordinates defining the features.

Attribute:

Attribute_Label: MS
Attribute_Definition:
Polygon dissolve code.

Overview_Description:

Entity_and_Attribute_Overview:
There are no attributes in the dataset

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Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: US EPA Headquarters

Contact_Position: Office of Water

Contact_Address:

Address_Type: mailing address

Address: 1200 Pennsylvania Avenue, NW MC
4503T

City: Washington

State_or_Province: DC

Postal_Code: 20460

Contact_Electronic_Mail_Address:

ow-owow-internet-comments@epa.gov

Contact_Electronic_Contact_Form_Address:

<http://water.epa.gov/contactus.cfm>

Resource_Description: Downloadable Data

Distribution_Liability:

Although these data have been processed successfully on a computer system at the U.S. Environmental Protection Agency, no warranty expressed or implied is made regarding the accuracy or utility of the data on any other system or for general or scientific purposes, nor shall the act of distribution constitute any such warranty. It is also strongly recommended that careful attention be paid to the contents of the metadata file associated with these data to evaluate data set limitations, restrictions or intended use. The U.S. Environmental Protection Agency shall not be held liable for improper or incorrect use of the data described and/or contained herein.

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Metadata_Reference_Information:

Metadata_Date: 20110630

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization: US EPA Headquarters

Contact_Position: Office of Water

Contact_Address:

Address_Type: mailing address

Address: 1200 Pennsylvania Avenue, NW
MC 4503T
City: Washington
State_or_Province: DC
Postal_Code: 20460

Contact_Electronic_Mail_Address: ow-owow-internet-comments@epa.gov

Contact_Electronic_Contact_Form_Address:
<http://water.epa.gov/contactus.cfm>

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Security_Information:

Metadata_Security_Classification_System: None

Metadata_Security_Classification: Unclassified

Metadata_Security_Handling_Description: None

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