NHDWaterbody17

Shapefile

Tags

Tensas Parish, Colbert County, Ascension Parish, Pointe Coupee Parish, dams, Watershed Boundary Dataset, Hale County, Hydrographic, Rapids, Stone County, Dyer County, Louisiana, Orthoimage, Hardin County, Chickasaw County, DeSoto County, St. Tammany Parish, Desha County, Jackson County, Jasper County, Lincoln County, Nonearthen Shore, Scott County, MS, Jefferson Davis County, Chicot County, boundaries, drainage systems and characteristics, Submerged Stream, Tallahatchie County, Fayette County, Reef, Lafayette County, Iberville Parish, Marengo County, Amite County, Concordia Parish, Choctaw County, Shelby County, Hickman County, Watershed, Warren County, Jones County, Pemiscot County, Subwatershed, Inundation Area, surface water systems, Rock, Tangipahoa Parish, Hydrography, Coastline, ngda, Benton County, Sea/Ocean, Copiah County, Washington County, Mississippi County, Panola County, Flume, Livingston Parish, LA, Tennessee, Hazard Zone, Lowndes County, Clay County, TN, Grenada County, Bridge, Pickens County, Hancock County, Drainage areas for surface water, Quitman County, HU6, Estuary, Missouri, Haywood County, HU2, United States, KY, Subbasin, Wash, Alcorn County, Noxubee County, Kentucky, Marsh, Greene County, Marshall County, Carlisle County, Adams County, St. Bernard Parish, Sub-basin, East Feliciana Parish, Ballard County, Montgomery County, Line, Tate County, Decatur County, St. Charles Parish, Baldwin County, Smith County, Sounding Datum Line, Sink/Rise, East Baton Rouge Parish, Sumter County, Wilkinson County, Lake County, Reservoir, Boundaries, Perry County, Mobile County, Orleans Parish, Wall, Madison County, HU14, inlandWaters, Forrest County, Ice mass, Bolivar County, Tipton County, Water Intake Outflow, Sunflower County, Monroe County, Winston County, Pike County, Crittenden County, Lauderdale County, Carroll County, Hydrologic Unit Code, HU4, Gate, Lee County, Basin, Yazoo County, Point, Union County, Calhoun County, Walthall County, Reach code, Yalobusha County, Hinds County, Playa, St. Helena Parish, ForeShore, Pearl River County, Wayne County, Covington County, Phillips County, Boundary, Watershed Boundaries, Alexander County, Jefferson County, Connector, Alabama, Hardeman County, McNairy County, HU12, West Feliciana Parish, Marion County, HU16, Tishomingo County, Madison Parish, Kemper County, Henderson County, Swamp, Flow direction network, HU10, Spillway, Webster County, IL, AL, Issaquena County, Leflore County, Rankin County, stream, Harrison County, Washington Parish, WBD, Bay/Inlet, Humphreys County, Coahoma County, Lock Chamber, Oktibbeha County, Special Use Zone, New Madrid County, Subregion, artificial path, Prentiss County, Franklin County, St. James Parish, Claiborne County, Attala County, lakes, Itawamba County, Canal/Ditch, Sharkey County, Pontotoc County, Newton County, Sub-region, Simpson County, Tunnel, Plaquemines Parish, West Baton Rouge Parish, George County, Area of Complex Channels, MO, East Carroll Parish, Holmes County, Levee, rivers, Jefferson Parish, Region, Clarke County, Leake County, Underground Conduit, St. John the Baptist Parish, HUC, Neshoba County, Illinois, Reach, Administrative watershed units, Special Use Zone Limit, Hydrography, Fulton County, US, Gaging Station, AK, Topographic, Alaska, Dam/Weir, Lamar County, Tippah County, Area to be submerged, Hydrologic Units, PointEvent, Waterfall, Mississippi, HU8, Chester County, Pond, Tunica County, Well, Lawrence County, Stream/River

Summary

The NHD is a national framework for assigning reach addresses to water-related entities, such as industrial discharges, drinking water supplies, fish habitat areas, wild and scenic rivers. Reach addresses establish the locations of these entities relative to one another within the NHD surface water drainage network, much like addresses on streets. Once linked to the NHD by their reach addresses, the upstream/downstream relationships of these water-related entities--and any associated information about them--can be analyzed using software tools ranging from spreadsheets to geographic information systems (GIS). GIS can also be used to combine NHD-based network analysis with other data layers, such as soils, land use and population, to help understand and display their respective effects upon one another. Furthermore, because the NHD provides a nationally consistent framework for addressing and analysis, water-related information linked to reach addresses by one organization (national, state, local) can be shared with other organizations and easily integrated into many different types of applications to the benefit of all.

Description

The National Hydrography Dataset (NHD) is a feature-based database that interconnects and uniquely identifies the stream segments or reaches that make up the nation's surface water drainage system. NHD data was originally developed at 1:100,000-scale and exists at that scale for the whole country. This high-resolution NHD, generally developed at 1:24,000/1:12,000 scale, adds detail to the original 1:100,000-scale NHD. (Data for Alaska, Puerto Rico and the Virgin Islands was developed at high-resolution, not 1:100,000 scale.) Local resolution NHD is being developed where partners and data exist. The NHD contains reach codes for networked features, flow direction, names, and centerline representations for areal water bodies. Reaches are also defined on waterbodies and the approximate shorelines of the Great Lakes, the Atlantic and Pacific Oceans and the Gulf of Mexico. The NHD also incorporates the National Spatial Data Infrastructure framework criteria established by the Federal Geographic Data Committee.

Credits

There are no credits for this item.

Use limitations

None. However, users should be aware that temporal changes may have occurred since this data set was collected and that some parts of this data may no longer represent actual surface conditions. Users should not use this data for critical applications without a full awareness of its limitations. Acknowledgment of the U.S. Geological Survey would be appreciated for products derived from these data.

Extent

West -91.715152 **East** -88.094651
North 35.006345 **South** 30.162609

Scale Range

Maximum (zoomed in) 1:24,000
Minimum (zoomed out) 1:24,000

ArcGIS Metadata ►

Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE inlandWaters, boundaries

* CONTENT TYPE Downloadable Data

PLACE KEYWORDS Tensas Parish, Colbert County, Ascension Parish, Pointe Coupee Parish, Hale County, Stone County, Dyer County, Louisiana, Hardin County, Chickasaw County, DeSoto

County, St. Tammany Parish, Desha County, Jackson County, Jasper County, Lincoln County, Scott County, MS, Jefferson Davis County, Chicot County, Tallahatchie County, Fayette County, Lafayette County, Iberville Parish, Marengo County, Amite County, Concordia Parish, Choctaw County, Shelby County, Hickman County, Warren County, Jones County, Pemiscot County, Tangipahoa Parish, Benton County, Copiah County, Washington County, Mississippi County, Panola County, Livingston Parish, LA, Tennessee, Lowndes County, Clay County, TN, Grenada County, Pickens County, Hancock County, Quitman County, Missouri, Haywood County, United States, KY, Alcorn County, Noxubee County, Kentucky, Greene County, Marshall County, Carlisle County, Adams County, St. Bernard Parish, East Feliciana Parish, Ballard County, Montgomery County, Tate County, Decatur County, St. Charles Parish, Baldwin County, Smith County, East Baton Rouge Parish, Sumter County, Wilkinson County, Lake County, Perry County, Mobile County, Orleans Parish, Madison County, Forrest County, Bolivar County, Tipton County, Sunflower County, Monroe County, Winston County, Pike County, Crittenden County, Lauderdale County, Carroll County, Lee County, Yazoo County, Union County, Calhoun County, Walthall County, Yalobusha County, Hinds County, St. Helena Parish, Pearl River County, Wayne County, Covington County, Phillips County, Alexander County, Jefferson County, Alabama, Hardeman County, McNairy County, West Feliciana Parish, Marion County, Tishomingo County, Madison Parish, Kemper County, Henderson County, Webster County, IL, AL, Issaquena County, Leflore County, Rankin County, Harrison County, Washington Parish, Humphreys County, Coahoma County, Oktibbeha County, New Madrid County, Prentiss County, Franklin County, St. James Parish, Claiborne County, Attala County, Itawamba County, Sharkey County, Pontotoc County, Newton County, Simpson County, Plaquemines Parish, West Baton Rouge Parish, George County, MO, East Carroll Parish, Holmes County, Jefferson Parish, Clarke County, Leake County, St. John the Baptist Parish, Neshoba County, Illinois, Fulton County, US, AK, Alaska, Lamar County, Tippah County, Mississippi, Chester County, Tunica County, Lawrence County

THESAURUS ▶
TITLE Geographic Names Information System

Hide Thesaurus ▲

THEME KEYWORDS dams, Watershed Boundary Dataset, Hydrographic, Rapids, Orthoimage, Nonearthen Shore, boundaries, drainage systems and characteristics, Submerged Stream, Reef, Watershed, Subwatershed, Inundation Area, surface water systems, Rock, Hydrography, Coastline, Sea/Ocean, Flume, Hazard Zone, Bridge, Drainage areas for surface water, HU6, Estuary, HU2, Subbasin, Wash, Marsh, Sub-basin, Line, Sounding Datum Line, Sink/Rise, Reservoir, Boundaries, Wall, HU14, Ice mass, Water Intake Outflow, Hydrologic Unit Code, HU4, Gate, Basin, Point, Reach code, Playa, ForeShore, Boundary, Watershed Boundaries, Connector, HU12, HU16, Swamp, Flow direction network, HU10, Spillway, stream, WBD, Bay/Inlet, Lock Chamber, Special Use Zone, Subregion, artificial path, lakes, Canal/Ditch, Sub-region, Tunnel, Area of Complex Channels, Levee, rivers, Region, Underground Conduit, HUC, Reach, Administrative watershed units, Special Use Zone Limit, Gaging Station, Topographic, Dam/Weir, Area to be submerged, Hydrologic Units, PointEvent, Waterfall, HU8, Pond, Well, Stream/River

THEME KEYWORDS inlandWaters

THESAURUS ▶
TITLE ISO 19115 Topic Category

Hide Thesaurus ▲

THEME KEYWORDS ngda, Hydrography

THESAURUS ▶
TITLE Geospatial Platform

Hide Thesaurus ▲

Hide Topics and Keywords ▲

Citation ▶

* TITLE NHDWaterbody17
PUBLICATION DATE 2017-03-20

PRESENTATION FORMATS digital map
FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

Hide Citation ▲

Citation Contacts ▶

RESPONSIBLE PARTY
ORGANIZATION'S NAME U.S. Geological Survey, National Geospatial Program
CONTACT'S ROLE originator

RESPONSIBLE PARTY
ORGANIZATION'S NAME U.S. Geological Survey
CONTACT'S ROLE publisher

CONTACT INFORMATION ▶
ADDRESS
DELIVERY POINT Reston, VA

Hide Contact information ▲

Hide Citation Contacts ▲

Resource Details ▶

DATASET LANGUAGES English (UNITED STATES)

STATUS completed
SPATIAL REPRESENTATION TYPE * vector

GRAPHIC OVERVIEW
FILE NAME
ftp://rockyftp.cr.usgs.gov/vdelivery/Datasets/Staged/Hydrography/NHD/State/HighResolution/Shape/NHD_H_Mississippi_Shape.jpg
FILE DESCRIPTION Thumbnail JPG image
FILE TYPE JPEG

SUPPLEMENTAL INFORMATION
This data comprises hydrological data, including flow lines, water bodies and water features.

* PROCESSING ENVIRONMENT Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.4.1.5686

ARCGIS ITEM PROPERTIES
* NAME NHDWaterbody17
* SIZE 119.856
* LOCATION file://\\SWALKER-PC\E$\DATA\NHD_2017_High\mstm_shapefiles\NHDWaterbody17.shp
* ACCESS PROTOCOL Local Area Network

Hide Resource Details ▲

Extents ►

EXTENT
DESCRIPTION
publication date

TEMPORAL EXTENT
BEGINNING DATE 2001-06-29
ENDING DATE 2017-03-16

EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
WEST LONGITUDE -91.684321027503
EAST LONGITUDE -87.2019885740438
SOUTH LATITUDE 29.2911017857843
NORTH LATITUDE 37.1218402975878

EXTENT
GEOGRAPHIC EXTENT
BOUNDING RECTANGLE
EXTENT TYPE Extent used for searching
* WEST LONGITUDE -91.715152
* EAST LONGITUDE -88.094651
* NORTH LATITUDE 35.006345
* SOUTH LATITUDE 30.162609
* EXTENT CONTAINS THE RESOURCE Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM
* WEST LONGITUDE 320601.694851
* EAST LONGITUDE 651104.983935
* SOUTH LATITUDE 1042349.714511
* NORTH LATITUDE 1577952.499235
* EXTENT CONTAINS THE RESOURCE Yes

Hide Extents ▲

Resource Maintenance ►

RESOURCE MAINTENANCE
UPDATE FREQUENCY irregular

Hide Resource Maintenance ▲

Resource Constraints ►

LEGAL CONSTRAINTS
LIMITATIONS OF USE
No liability for content or accuracy is presumed by USGS for data.

CONSTRAINTS
LIMITATIONS OF USE
None. However, users should be aware that temporal changes may have occurred since this data set was collected and that some parts of this data may no longer represent actual surface conditions. Users should not use this data for critical applications without a full awareness of its limitations. Acknowledgment of the U.S. Geological Survey would be appreciated for products derived from these data.

Hide Resource Constraints ▲

Spatial Reference ►

ARCGIS COORDINATE SYSTEM
* TYPE Projected
* GEOGRAPHIC COORDINATE REFERENCE GCS_North_American_1983
* PROJECTION NAD_1983_Mississippi_TM
* COORDINATE REFERENCE DETAILS
PROJECTED COORDINATE SYSTEM
WELL-KNOWN IDENTIFIER 102609
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
LATEST WELL-KNOWN IDENTIFIER 3814
WELL-KNOWN TEXT
PROJCS["NAD_1983_Mississippi_TM",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],AUTHORITY["EPSG",3814]]

REFERENCE SYSTEM IDENTIFIER
* VALUE 3814
* CODESPACE EPSG
* VERSION 6.17.1(10.0.0)

Hide Spatial Reference ▲

Spatial Data Properties ►

VECTOR ►
* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS
FEATURE CLASS NAME NHDWaterbody17
* OBJECT TYPE composite
* OBJECT COUNT 193248

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ►
FEATURE CLASS NAME NHDWaterbody17
* FEATURE TYPE Simple
* GEOMETRY TYPE Polygon
* HAS TOPOLOGY FALSE
* FEATURE COUNT 193248
* SPATIAL INDEX TRUE
* LINEAR REFERENCING FALSE

Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties ▲

Data Quality ►

SCOPE OF QUALITY INFORMATION ►
RESOURCE LEVEL dataset

Hide Scope of quality information ▲

DATA QUALITY REPORT - TOPOLOGICAL CONSISTENCY ►
EVALUATION METHOD

Points, nodes, lines, and areas conform to topological rules. Lines intersect only at nodes, and all nodes anchor the ends of lines. Lines do not overshoot or undershoot other lines where they are supposed to meet. There are no duplicate lines. Lines bound areas and lines identify the areas to the left and right of the lines. Gaps and overlaps among areas do not exist. All areas close.

Hide Data quality report - Topological consistency ▲

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY ►

MEASURE DESCRIPTION

Points, nodes, lines, and areas conform to topological rules. Lines intersect only at nodes, and all nodes anchor the ends of lines. Lines do not overshoot or undershoot other lines where they are supposed to meet. There are no duplicate lines. Lines bound areas and lines identify the areas to the left and right of the lines. Gaps and overlaps among areas do not exist. All areas close.

Hide Data quality report - Conceptual consistency ▲

DATA QUALITY REPORT - COMPLETENESS OMISSION ►

MEASURE DESCRIPTION

The completeness of the data reflects the content of the sources, which most often are the published USGS topographic quadrangle and/or the USDA Forest Service Primary Base Series (PBS) map. The USGS topographic quadrangle is usually supplemented by Digital Orthophoto Quadrangles (DOQs). Features found on the ground may have been eliminated or generalized on the source map because of scale and legibility constraints. In general, streams longer than one mile (approximately 1.6 kilometers) were collected. Most streams that flow from a lake were collected regardless of their length. Only definite channels were collected so not all swamp/marsh features have stream/rivers delineated through them. Lake/ponds having an area greater than 6 acres were collected. Note, however, that these general rules were applied unevenly among maps during compilation. Reaches codes are defined on all features of type stream/river, canal/ditch, artificial path, coastline, and connector. Waterbody reach codes are defined on all lake/pond and most reservoir features. Names were applied from the GNIS database. Detailed capture conditions are provided for every feature type in the Standards for National Hydrography Dataset available online through http://mapping.usgs.gov/standards/.

Hide Data quality report - Completeness omission ▲

DATA QUALITY REPORT - QUANTITATIVE ATTRIBUTE ACCURACY ►

MEASURE DESCRIPTION

Statements of attribute accuracy are based on accuracy statements made for U.S. Geological Survey Digital Line Graph (DLG) data, which is estimated to be 98.5 percent. One or more of the following methods were used to test attribute accuracy: manual comparison of the source with hardcopy plots; symbolized display of the DLG on an interactive computer graphic system; selected attributes that could not be visually verified on plots or on screen were interactively queried and verified on screen. In addition, software validated feature types and characteristics against a master set of types and characteristics, checked that combinations of types and characteristics were valid, and that types and characteristics were valid for the delineation of the feature. Feature types, characteristics, and other attributes conform to the Standards for National Hydrography Dataset (USGS, 1999) as of the date they were loaded into the database. All names were validated against a current extract from the Geographic Names Information System (GNIS). The entry and identifier for the names match those in the GNIS. The association of each name to reaches has been interactively checked, however, operator error could in some cases apply a name to a wrong reach.

Hide Data quality report - Quantitative attribute accuracy ▲

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY ►

DIMENSION horizontal

MEASURE DESCRIPTION

Statements of horizontal positional accuracy are based on accuracy statements made for U.S. Geological Survey topographic quadrangle maps. These maps were compiled to meet National Map Accuracy Standards. For horizontal accuracy, this standard is met if at least 90 percent of points tested are within 0.02 inch (at map scale) of the true position. Additional offsets to positions may have been introduced where feature density is high to improve the legibility of map symbols. In addition, the digitizing of maps is estimated to contain a horizontal positional error of less than or equal to 0.003 inch standard error (at map scale) in the two component directions relative to the source maps. Visual comparison between the map graphic (including digital scans of the graphic) and plots or digital displays of points, lines, and areas, is used as control to assess the positional accuracy of digital data. Digital map elements along the adjoining edges of data sets are aligned if they are within a 0.02 inch tolerance (at map scale). Features with like dimensionality (for example, features that all are delineated with lines), with or without like characteristics, that are within the tolerance are aligned by moving the features equally to a common point. Features outside the tolerance are not moved; instead, a feature of type connector is added to join the features.

Hide Data quality report - Absolute external positional accuracy ▲

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY ►

DIMENSION vertical

MEASURE DESCRIPTION

Statements of vertical positional accuracy for elevation of water surfaces are based on accuracy statements made for U.S. Geological Survey topographic quadrangle maps. These maps were compiled to meet National Map Accuracy Standards. For vertical accuracy, this standard is met if at least 90 percent of well-defined points tested are within one-half contour interval of the correct value. Elevations of water surface printed on the published map meet this standard; the contour intervals of the maps vary. These elevations were transcribed into the digital data; the accuracy of this transcription was checked by visual comparison between the data and the map.

Hide Data quality report - Absolute external positional accuracy ▲

Hide Data Quality ▲

Lineage ►

PROCESS STEP ▶

WHEN THE PROCESS OCCURRED 2017-03-20

DESCRIPTION

New reaches were assigned reach code values that are sequentially ordered to 2-D and then 1-D reaches. New high-res reach codes are larger than any existing med-res reach code in the associated Catalog Unit. Additional Geographic Names that exist in the Geographic Names Information System (GNIS) were added to reaches in the high-res dataset. Names for the high-res drainage network were interactively transferred from the vector GNIS coverage. Additional GNIS names for point and water body features were also added.

Hide Process step ▲

SOURCE DATA ▶

DESCRIPTION

Hydrography features and feature names

RESOLUTION OF THE SOURCE DATA

SCALE DENOMINATOR 24000

SOURCE CITATION ▶

TITLE Hydrography

ALTERNATE TITLES Hydrography

PUBLICATION DATE 2017-03-20

PRESENTATION FORMATS digital map

FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

OTHER CITATION DETAILS

The National Hydrography Dataset (NHD) is a feature-based database that interconnects and uniquely identifies the stream segments or reaches that make up the nation's surface water drainage system. The high-resolution NHD was originally created using 1:24,000-scale data. State and Local Stewards are improving the data by incorporating local updates based on more current and more accurate source data. Water features in the real world are relatively dynamic and the differences at the time of data collection mean that water features may not register exactly to other layers. The hydrographic feature names contained in and displayed by the NHD are extracted and validated from the Geographic Names Information System (GNIS). Spatial objects may be filtered or generalized to achieve a 1:24,000-scale representation.

RESPONSIBLE PARTY

ORGANIZATION'S NAME U.S. Geological Survey in cooperation with U.S. Environmental Protection Agency, USDA Forest Service, and other Federal, State and local partners. National Hydrography Dataset is a component of a comprehensive base geospatial data model.

CONTACT'S ROLE originator

RESOURCE LOCATION ONLINE
LOCATION http://nhd.usgs.gov/

RESOURCE LOCATION ONLINE
LOCATION http://nhd.usgs.gov/gnis.html

RESOURCE LOCATION ONLINE
LOCATION http://nhdgeo.usgs.gov/metadata/nhd_high.htm

Hide Source citation ▲

EXTENT OF THE SOURCE DATA
DESCRIPTION
publication date

TEMPORAL EXTENT
BEGINNING DATE 2010-08-20
ENDING DATE 2010-08-20

Hide Source data ▲

SOURCE DATA ►
DESCRIPTION
U.S. Geological Survey

RESOLUTION OF THE SOURCE DATA
SCALE DENOMINATOR 24000

SOURCE CITATION ►
TITLE Watershed Boundary Dataset (WBD)
ALTERNATE TITLES Watershed Boundary Dataset
PUBLICATION DATE 2017-03-20

PRESENTATION FORMATS digital map
FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

OTHER CITATION DETAILS
The Watershed Boundary Dataset (WBD) defines the areal extent of surface water drainage to a point, accounting for all land and surface areas. Watershed Boundaries are determined solely upon science-based hydrologic principles, not favoring any administrative boundaries or special projects, nor particular program or agency. The intent of defining Hydrologic Units (HU) for the Watershed Boundary Dataset is to establish a base-line drainage boundary framework, accounting for all land and surface areas. Hydrologic units are given a Hydrologic Unit Code (HUC). For example, a hydrologic region has a 2-digit HUC. A HUC describes where the unit is in the country and the level of the unit.

RESPONSIBLE PARTY

ORGANIZATION'S NAME U.S. Geological Survey, National Geospatial Technical Operations Center
CONTACT'S ROLE originator

RESOURCE LOCATION ONLINE
LOCATION http://nhd.usgs.gov/wbd.html

Hide Source citation ▲

EXTENT OF THE SOURCE DATA
DESCRIPTION
publication date

TEMPORAL EXTENT
BEGINNING DATE 1972-01-01
ENDING DATE 2012-01-01

Hide Source data ▲

SOURCE DATA ►
DESCRIPTION
Hydrography features and gaging stations

RESOLUTION OF THE SOURCE DATA
SCALE DENOMINATOR 24000

SOURCE CITATION ►
TITLE Gaging Stations
ALTERNATE TITLES Hydrography - Gaging Stations
PUBLICATION DATE 2017-03-20

PRESENTATION FORMATS digital map
FGDC GEOSPATIAL PRESENTATION FORMAT vector digital data

OTHER CITATION DETAILS
This dataset, termed "GAGES II", an acronym for Geospatial Attributes of Gages for Evaluating Streamflow, version II, provides geospatial data and classifications for 9,322 stream gages maintained by the U.S. Geological Survey (USGS). It is an update to the original GAGES in 2010. The GAGES II dataset consists of gages which have had either 20+ complete years (not necessarily continuous) of discharge record since 1950, or are currently active, as of water year 2009, and whose watersheds lie within the United States, including Alaska, Hawaii, and Puerto Rico. Only active stations, as identified by the GAGES II dataset, are symbolized.

RESPONSIBLE PARTY
ORGANIZATION'S NAME Global Land Ice Measurements from Space initiative (GLIMS)
CONTACT'S ROLE originator

RESOURCE LOCATION ONLINE
LOCATION http://water.usgs.gov/lookup/getspatial?gagesII_Sept2011

RESOURCE LOCATION ONLINE
LOCATION http://water.usgs.gov/GIS/metadata/usgswrd/XML/gagesII_Sept2011.xml

Hide Source citation ▲

EXTENT OF THE SOURCE DATA
DESCRIPTION
publication date

Hide Source data ▲

Hide Lineage ▲

Distribution ►

DISTRIBUTOR ►
CONTACT INFORMATION
ORGANIZATION'S NAME U.S. Geological Survey, National Geospatial Technical Operations Center
CONTACT'S ROLE distributor

CONTACT INFORMATION ►
PHONE
VOICE 1-888-ASK-USGS (1-888-275-8747)

ADDRESS
TYPE both
DELIVERY POINT Box 25046 Denver Federal Center
CITY Lakewood
ADMINISTRATIVE AREA CO
POSTAL CODE 80225
E-MAIL ADDRESS http://www.usgs.gov/ask/

HOURS OF SERVICE
Monday through Friday 8:00 AM to 4:00 PM

CONTACT INSTRUCTIONS
Metadata information can also be obtained through online services using The National Map Viewer, at http://nationalmap.usgs.gov or EarthExplorer, at http://earthexplorer.usgs.gov or Ask USGS at http://www.usgs.gov/ask.

Hide Contact information ▲

AVAILABLE FORMAT
NAME Shapefile
FILE DECOMPRESSION TECHNIQUE No compression applied
FORMAT INFORMATION CONTENT Spatial objects with unique identifiers and coordinate data.

ORDERING PROCESS

TERMS AND FEES None

TRANSFER OPTIONS
ONLINE SOURCE
LOCATION
ftp://rockyftp.cr.usgs.gov/vdelivery/Datasets/Staged/Hydrography/NHD/State/HighResolution/Shape/NHD_H_Mississippi_Shape.zip

Hide Distributor ▲

DISTRIBUTION FORMAT
* NAME Shapefile

TRANSFER OPTIONS
* TRANSFER SIZE 119.856

ONLINE SOURCE
LOCATION
ftp://rockyftp.cr.usgs.gov/vdelivery/Datasets/Staged/Hydrography/NHD/State/HighResolution/Shape/NHD_H_Mississippi_Shape.zip

Hide Distribution ▲

Fields ►

DETAILS FOR OBJECT NHDWaterbody17 ►
* TYPE Feature Class
* ROW COUNT 193248

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.

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.

Hide Field Shape ▲

Field PERMANENT_ ►
* Alias PERMANENT_
* Data type String
* Width 40
* Precision 0
* Scale 0

Hide Field PERMANENT_ ▲

Field FDATE ►
* Alias FDATE
* Data type Date
* Width 8
* Precision 0
* Scale 0

Hide Field FDATE ▲

Field RESOLUTION ►
* Alias RESOLUTION
* Data type Double
* Width 19
* Precision 0
* Scale 0

Hide Field RESOLUTION ▲

Field GNIS_ID ►
* Alias GNIS_ID
* Data type String
* Width 10

* PRECISION 0
* SCALE 0

Hide Field GNIS_ID ▲

FIELD GNIS_NAME ►
* ALIAS GNIS_NAME
* DATA TYPE String
* WIDTH 65
* PRECISION 0
* SCALE 0

Hide Field GNIS_NAME ▲

FIELD AREASQKM ►
* ALIAS AREASQKM
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0

Hide Field AREASQKM ▲

FIELD ELEVATION ►
* ALIAS ELEVATION
* DATA TYPE String
* WIDTH 20
* PRECISION 0
* SCALE 0

Hide Field ELEVATION ▲

FIELD REACHCODE ►
* ALIAS REACHCODE
* DATA TYPE String
* WIDTH 14
* PRECISION 0
* SCALE 0

Hide Field REACHCODE ▲

FIELD FTYPE ►
* ALIAS FTYPE
* DATA TYPE Double
* WIDTH 19

* PRECISION 0
* SCALE 0

Hide Field FTYPE ▲

FIELD FCODE ►
* ALIAS FCODE
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0

Hide Field FCODE ▲

FIELD SHAPE_LENG ►
* ALIAS SHAPE_LENG
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0

Hide Field SHAPE_LENG ▲

FIELD SHAPE_AREA ►
* ALIAS SHAPE_AREA
* DATA TYPE Double
* WIDTH 19
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION
  Area of feature in internal units squared.

* DESCRIPTION SOURCE
  Esri

* DESCRIPTION OF VALUES
  Positive real numbers that are automatically generated.

Hide Field SHAPE_AREA ▲

FIELD VISIBILITY ►
* ALIAS VISIBILITY
* DATA TYPE Double
* WIDTH 19
* PRECISION 0

* SCALE 0

Hide Field VISIBILITY ▲

Hide Details for object NHDWaterbody17 ▲

OVERVIEW DESCRIPTION ►
ENTITY AND ATTRIBUTE OVERVIEW
All feature types, characteristics, and values are in U.S. Geological Survey, 1999, Standards for National Hydrography Dataset: Reston, Virginia, U.S. Geological Survey. The document is available online through http://nationalmap.gov/standards/nhdstds.html. Information about tables and fields in the data are available from the user documentation for the National Hydrography Dataset available online through http://nhd.usgs.gov/documentation.html.

Hide Overview Description ▲

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 2017-03-27

ARCGIS METADATA PROPERTIES
METADATA FORMAT ArcGIS 1.0
METADATA STYLE ISO 19139 Metadata Implementation Specification

CREATED IN ARCGIS FOR THE ITEM 2017-03-24 13:11:09
LAST MODIFIED IN ARCGIS FOR THE ITEM 2017-03-27 08:19:57

AUTOMATIC UPDATES
HAVE BEEN PERFORMED Yes
LAST UPDATE 2017-03-27 08:19:57

Hide Metadata Details ▲

Metadata Contacts ►

METADATA CONTACT
ORGANIZATION'S NAME U.S. Geological Survey, National Geospatial Technical Operations Center

CONTACT'S ROLE point of contact

CONTACT INFORMATION ►
PHONE
VOICE 1-888-ASK-USGS (1-888-275-8747)

ADDRESS
TYPE both
DELIVERY POINT Box 25046 Denver Federal Center
CITY Lakewood
ADMINISTRATIVE AREA CO
POSTAL CODE 80225
E-MAIL ADDRESS http://www.usgs.gov/ask/

HOURS OF SERVICE
Monday through Friday 8:00 AM to 4:00 PM

CONTACT INSTRUCTIONS
Metadata information can also be obtained through online services using The National Map Viewer, at http://nationalmap.usgs.gov or EarthExplorer, at http://earthexplorer.usgs.gov or Ask USGS at http://www.usgs.gov/ask.

Hide Contact information ▲

Hide Metadata Contacts ▲

Metadata Maintenance ►

MAINTENANCE
DATE OF NEXT UPDATE 2018-03-20
UPDATE FREQUENCY unknown

OTHER MAINTENANCE REQUIREMENTS
Last metadata review date: 20170320

Hide Metadata Maintenance ▲

Thumbnail and Enclosures ►

THUMBNAIL
THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures ▲

FGDC Metadata (read-only) ▼

DETAILED DESCRIPTION
ENTITY TYPE
ENTITY TYPE LABEL NHDWaterbody17

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 PERMANENT_

ATTRIBUTE
ATTRIBUTE LABEL FDATE

ATTRIBUTE
ATTRIBUTE LABEL RESOLUTION

ATTRIBUTE
ATTRIBUTE LABEL GNIS_ID

ATTRIBUTE
ATTRIBUTE LABEL GNIS_NAME

ATTRIBUTE
ATTRIBUTE LABEL AREASQKM

ATTRIBUTE
ATTRIBUTE LABEL ELEVATION

ATTRIBUTE
ATTRIBUTE LABEL REACHCODE

ATTRIBUTE
ATTRIBUTE LABEL FTYPE

ATTRIBUTE
ATTRIBUTE LABEL FCODE

ATTRIBUTE
ATTRIBUTE LABEL SHAPE_LENG

ATTRIBUTE
ATTRIBUTE LABEL SHAPE_AREA
ATTRIBUTE DEFINITION
Area of feature in internal units squared.
ATTRIBUTE DEFINITION SOURCE Esri
ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Positive real numbers that are automatically generated.

ATTRIBUTE

ATTRIBUTE LABEL VISIBILITY

OVERVIEW DESCRIPTION

ENTITY AND ATTRIBUTE OVERVIEW

All feature types, characteristics, and values are in U.S. Geological Survey, 1999, Standards for National Hydrography Dataset: Reston, Virginia, U.S. Geological Survey. The document is available online through http://nationalmap.gov/standards/nhdstds.html. Information about tables and fields in the data are available from the user documentation for the National Hydrography Dataset available online through http://nhd.usgs.gov/documentation.html.

Hide Entities and Attributes ▲