

# Georgia's 2010 Integrated 305(b)/303(d) Report (also referred to as Water Quality in Georgia 2008-2009); GIS Data Set for Lakes, Sounds, and Harbors

## Personal GeoDatabase Feature Class



### Tags

305(b), 303(b), Georgia Environmental Protection Division, USEPA Region 4, Southeast, water quality assessment, water quality standards, Total Maximum Daily Load, 2010, environment

### Summary

The purpose of this GIS data set and associated information is to show and describe the extent of the waters in Georgia where water quality standards have assessment pending or has been assessed, and waters are listed as either supporting or not fully supporting their designated uses according to the US Environmental Protection Agency's (USEPA) 305(b) and 303(d) federal Clean Water Act guidelines. The Integrated 305(b)/303(d) Report and supporting GIS data set are produced by the Georgia Department of Natural Resources, Environmental Protection Division (EPD) every two years. The GIS data set contains two feature classes: polyline feature class represents streams, coastal streams, and coastal beaches and the polygon feature class represents lakes, sounds, and harbors. Both feature classes should be used together to accurately show all waterbodies assessed for 305(b) and 303(d) guidelines. This spatial data set is an ESRI polygon shapefile representing lakes, sounds, and harbors. Attribute information includes reach ID, water body reach name, reach location, major basin name, criterion violated, potential causes, data source, county, water body type, water uses classification, evaluation, category tier, water body extent, extent units, priority year, notes, HUC 8, and HUC 10.

### Description

**NOTICE:** This ESRI GIS data set is based on the descriptive locations of the listed water bodies within the Year 2010 Integrated 305(b)/303(d) Report, however, it should not be considered as Georgia's approved list. While reasonable effort has been made to ensure this GIS data set accurately reflects the approved list, if discrepancies are found, the water body information in the .pdf documents mentioned below are to be considered official and supercede the GIS data set.

On November 11, 2010, the Georgia Environmental Protection Division's Year 2010 Integrated 305(b)/303(d) Draft Report (also referred to as Water Quality in Georgia 2008-2009) and lists were approved by the United States Environmental Protection Agency's (USEPA). The final and official, approved lists of water body classifications for Rivers/Streams, Lakes/Reservoirs, Coastal Streams, Coastal Beaches, and Sounds/Harbors can be found in .pdf format at <http://www.georgiaepd.org/Documents/305b.html> and in the compressed .zip with this GIS data set.

This GIS data set represents the State of Georgia 2008-2009 assessment of water quality and resulting Year 2010 305(b)/303(d) list of waters prepared in response to Sections 305(b) and 303(d) of the Clean Water Act and in accordance with the USEPA implementing regulations and guidance. Assessed water bodies are classified as assessment pending for, supporting or not supporting their designated uses according to a comparison of water quality monitoring results to water quality standards and other pertinent information.

This GIS data set is an ESRI polygon shapefile representing Year 2010 305(b)/303(d) listed Lakes, Sounds, and Harbors areas at a scale of 1:100,000 in Geographic North American Datum 1983 (NAD83). The majority of the GIS data set is based on previous Georgia EPD GIS shapefiles for the 305(b)/303(d) List for the Years 2008, 2006, 2004, 2002, and 2000. The GIS data set for Year 2010 305(b)/303(d) list has been significantly expanded and improved over previous years GIS shapefiles. All new Lakes, Sounds, and Harbors segments have been created using the National Hydrography Dataset(NHD) Medium Resolution geodatabase feature class. Harbors were created by Georgia DNR Coastal Resource Division using aerial photography and color IR DOQQs.

When using this GIS dataset, the polygons represent the area of the listed water body within the state of Georgia. The associated attribute table includes all fields and information within the 305(b)/303(d) list that corresponds to the GIS polygon in addition to USGS Hydrologic Unit Code (HUC) 8 and 10.

### Credits

Georgia Environmental Protection Division, Watershed Protection Branch

### Access and use limitations

This ESRI GIS data set is based on the descriptive locations of the listed water bodies within the Year 2010 Integrated 305(b)/303(d) Report, however, it should not be considered as Georgia's approved list. While reasonable effort has been made to ensure this GIS data set accurately reflects the approved list, if discrepancies are found, the water body information in the .pdf documents mentioned in the metadata abstract are to be considered official and supercede the GIS data set. Designations of assessment pending, supporting and not supporting are valid for the current time-period and may be changed by Georgia EPD upon additional water quality monitoring and subsequent evaluation. Water bodies and their conditions may change due to new water quality monitoring results and other pertinent information. The data set depicts water bodies at a detail suitable for scales of 1:100,000 or smaller.

## ArcGIS Metadata ►

### Resource Identification ►

#### CITATION

**TITLE** Georgia's 2010 Integrated 305(b)/303(d) Report (also referred to as Water Quality in Georgia 2008-2009); GIS Data Set for Lakes, Sounds, and Harbors

**ALTERNATE TITLES** Water Quality in Georgia 2008-2009

**CREATION DATE** 2010-11-11

**PUBLICATION DATE** 2010-11-11

**REVISION DATE** 2010-11-11

**EDITION** Georgia's 2010 Integrated 305(b)/303(d) Report (also referred to as Water Quality in Georgia 2008-2009)

**EDITION DATE**

**\* PRESENTATION FORMAT** digital map

#### RESPONSIBLE PARTY

**INDIVIDUAL'S NAME** Watershed Planning and Monitoring Program

**ORGANIZATION'S NAME** Georgia Environmental Protection Division, Watershed Protection Branch

**CONTACT'S ROLE** publisher

#### CONTACT INFORMATION

##### PHONE

**VOICE** 404-675-6232

**FAX** 404-675-6247

##### ADDRESS

**DELIVERY POINT** 4220 International Parkway, Suite 101

**CITY** Atlanta

**ADMINISTRATIVE AREA** Georgia

**POSTAL CODE** 30354

**HOURS OF SERVICE** 8:30 - 4:30

#### RESPONSIBLE PARTY

**INDIVIDUAL'S NAME** Susan Salter

ORGANIZATION'S NAME Georgia Environmental Protection Division, Watershed Protection Branch  
 CONTACT'S POSITION 305(b)/303(d) Coordinator  
 CONTACT'S ROLE originator

## CONTACT INFORMATION

## PHONE

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## ADDRESS

DELIVERY POINT 4220 International Parkway, Suite 101  
 CITY Atlanta  
 ADMINISTRATIVE AREA Georgia  
 POSTAL CODE 30354

HOURS OF SERVICE 8:30 - 4:30

## RESPONSIBLE PARTY

INDIVIDUAL'S NAME Barbara Stitt - Allen / Jennifer Oblinger  
 ORGANIZATION'S NAME Georgia Environmental Protection Division, Watershed Protection Branch  
 CONTACT'S POSITION GIS Coordinator  
 CONTACT'S ROLE custodian

## CONTACT INFORMATION

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 POSTAL CODE 30354

HOURS OF SERVICE 8:30 - 4:30

THEMES OR CATEGORIES OF THE RESOURCE environment, inlandWaters

TAGS FOR SEARCHING 305(b), 303(b), Georgia Environmental Protection Division, USEPA Region 4, Southeast, water quality assessment, water quality standards, Total Maximum Daily Load, 2010, environment

KEYWORDS 002

## THESAURUS

## ABSTRACT (DESCRIPTION)

NOTICE: This ESRI GIS data set is based on the descriptive locations of the listed water bodies within the Year 2010 Integrated 305(b)/303(d) Report, however, it should not be considered as Georgia's approved list. While reasonable effort has been made to ensure this GIS data set accurately reflects the approved list, if discrepancies are found, the water body information in the .pdf documents mentioned below are to be considered official and supercede the GIS data set. On November 11, 2010, the Georgia Environmental Protection Division's Year 2010 Integrated 305(b)/303(d) Draft Report (also referred to as Water Quality in Georgia 2008-2009) and lists were approved by the United States Environmental Protection Agency's (USEPA). The final and official, approved lists of water body classifications for Rivers/Streams, Lakes/Reservoirs, Coastal Streams, Coastal Beaches, and Sounds/Harbors can be found in .pdf format at <http://www.georgiaepd.org/Documents/305b.html> and in the compressed .zip with this GIS data set. This GIS data set represents the State of Georgia 2008-2009 assessment of water quality and resulting Year 2010 305(b)/303(d) list of waters prepared in response to Sections 305(b) and 303(d) of the Clean Water Act and in accordance with the USEPA implementing regulations and guidance. Assessed water bodies are classified as assessment pending for, supporting or not supporting their

designated uses according to a comparison of water quality monitoring results to water quality standards and other pertinent information. This GIS data set is an ESRI polygon shapefile representing Year 2010 305(b)/303(d) listed Lakes, Sounds, and Harbors areas at a scale of 1:100,000 in Geographic North American Datum 1983 (NAD83). The majority of the GIS data set is based on previous Georgia EPD GIS shapefiles for the 305(b)/303(d) List for the Years 2008, 2006, 2004, 2002, and 2000. The GIS data set for Year 2010 305(b)/303(d) list has been significantly expanded and improved over previous years GIS shapefiles. All new Lakes, Sounds, and Harbors segments have been created using the National Hydrography Dataset (NHD) Medium Resolution geodatabase feature class. Harbors were created by Georgia DNR Coastal Resource Division using aerial photography and color IR DOQQs. When using this GIS dataset, the polygons represent the area of the listed water body within the state of Georgia. The associated attribute table includes all fields and information within the 305(b)/303(d) list that corresponds to the GIS polygon in addition to USGS Hydrologic Unit Code (HUC) 8 and 10.

#### PURPOSE (SUMMARY)

The purpose of this GIS data set and associated information is to show and describe the extent of the waters in Georgia where water quality standards have assessment pending or has been assessed, and waters are listed as either supporting or not fully supporting their designated uses according to the US Environmental Protection Agency's (USEPA) 305(b) and 303(d) federal Clean Water Act guidelines. The Integrated 305(b)/303(d) Report and supporting GIS data set are produced by the Georgia Department of Natural Resources, Environmental Protection Division (EPD) every two years.

The GIS data set contains two feature classes: polyline feature class represents streams, coastal streams, and coastal beaches and the polygon feature class represents lakes, sounds, and harbors. Both feature classes should be used together to accurately show all waterbodies assessed for 305(b) and 303(d) guidelines.

This spatial data set is an ESRI polygon shapefile representing lakes, sounds, and harbors. Attribute information includes reach ID, water body reach name, reach location, major basin name, criterion violated, potential causes, data source, county, water body type, water uses classification, evaluation, category tier, water body extent, extent units, priority year, notes, HUC 8, and HUC 10.

**DATASET LANGUAGES** \*English (UNITED STATES)

**DATASET CHARACTER SET** utf8 - 8 bit UCS Transfer Format

#### RESOURCE MAINTENANCE

**DATE OF NEXT UPDATE** 2012-12-01

**UPDATE FREQUENCY** as needed

**TIME PERIOD BETWEEN UPDATES**

**TIME DURATION** GIS Data Set and Metadata Updated Biennially

**SCOPE OF THE UPDATES** dataset

**OTHER MAINTENANCE REQUIREMENTS** The Integrated 305(b)/303(d) Report and supporting GIS data set with metadata are produced every two years. Next report will be published Fall 2012.

#### RESOURCE CONSTRAINTS

##### CONSTRAINTS

##### LIMITATIONS OF USE

This ESRI GIS data set is based on the descriptive locations of the listed water bodies within the Year 2010 Integrated 305(b)/303(d) Report, however, it should not be considered as Georgia's approved list. While reasonable effort has been made to ensure this GIS data set accurately reflects the approved list, if discrepancies are found, the water body information in the .pdf documents mentioned in the metadata abstract are to be considered official and supercede the GIS data set. Designations of assessment pending, supporting and not supporting are valid for the current time-period and may be changed by Georgia EPD upon additional water quality monitoring and subsequent evaluation. Water bodies and their conditions may change due to new water quality monitoring results and other pertinent information. The data set depicts water bodies at a detail suitable for scales of 1:100,000 or smaller.

##### CONSTRAINTS

## LIMITATIONS OF USE

The Georgia Environmental Protection Division - Watershed Protection Branch should be acknowledged as the data source in products derived from these data.

## LEGAL CONSTRAINTS

ACCESS CONSTRAINTS other restrictions

USE CONSTRAINTS other restrictions

## LIMITATIONS OF USE

This data set is not designed for use as a primary, regulatory tool in permitting or siting decisions, but may be used as a reference source. This is public information and may be interpreted by organizations, agencies, units of government, or others based on needs; however, they are responsible for the appropriate application. Federal, State, local regulatory bodies, private individuals or organizations are not to reassign to the Georgia Department of Natural Resources, Environmental Protection Division - Watershed Protection Branch any authority for the decisions that they make.

\* SPATIAL REPRESENTATION TYPE vector

\* PROCESSING ENVIRONMENT Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3; ESRI ArcGIS 10.0.0.2414

## BOUNDING RECTANGLE

\* EXTENT TYPE Full extent in decimal degrees

\* WEST LONGITUDE -85.33791

\* EAST LONGITUDE -80.92795

\* NORTH LATITUDE 34.98767

\* SOUTH LATITUDE 30.70974

\* EXTENT CONTAINS THE RESOURCE Yes

## OTHER EXTENT INFORMATION

## GEOGRAPHIC EXTENT

## BOUNDING RECTANGLE

\* EXTENT TYPE Extent used for searching

\* WEST LONGITUDE -85.337910

\* EAST LONGITUDE -80.927950

\* NORTH LATITUDE 34.987670

\* SOUTH LATITUDE 30.709740

\* EXTENT CONTAINS THE RESOURCE Yes

## VERTICAL EXTENT

\* MINIMUM VALUE 0.000500

\* MAXIMUM VALUE 0.000500

## CREDITS

Georgia Environmental Protection Division, Watershed Protection Branch

## POINT OF CONTACT

INDIVIDUAL'S NAME Barbara Stitt - Allen / Jennifer Oblinger

ORGANIZATION'S NAME Georgia Environmental Protection Division, Watershed Protection Branch

CONTACT'S POSITION GIS Coordinators

CONTACT'S ROLE point of contact

## CONTACT INFORMATION

## PHONE

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FAX 404-675-6247

## ADDRESS

DELIVERY POINT 4220 International Parkway, Suite 101

CITY Atlanta

ADMINISTRATIVE AREA Georgia

POSTAL CODE 30354

*Hide ▲***Spatial Representation ►****Vector**

\* LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

## GEOMETRIC OBJECTS

\* NAME Y2010\_305b303d\_Lakes\_Sounds\_Harbors

\* OBJECT TYPE composite

\* OBJECT COUNT 89

*Hide ▲***Reference System ►**

## REFERENCE SYSTEM IDENTIFIER

\* VALUE 4269

\* CODESPACE EPSG

\* VERSION 7.4.1

*Hide ▲***Data Quality ►**

## LINEAGE

## PROCESS STEP

WHEN THE PROCESS OCCURRED 2000-12-31

**DESCRIPTION** Step 1: Creation of Georgia 2000 305(b)/303(d) List Map The State of Georgia 2000 305(b)/303(d) List map was developed from an earlier map created by the U.S. Geological Survey Center for Spatial Analysis and Technology (see source citation for DNR305b Stream Reaches). Modifications were made by the Georgia Department of Natural Resources Environmental Protection Division (GAEPD) to the existing map to create a new map from which the Georgia 305(b) Water Quality Assessment for the Year 2000 map was developed. Modifications included: Stream reaches not having an assessment designation of supporting, partially supporting, or not supporting (not evaluated) were deleted from the spatial database. Multiple DLG stream segments representing a single 305(b) listed stream reach were combined into a single stream segment to reduce the size of the database and improve its utility. All listed stream reaches depicted using a left and right edge of water were represented by a single segment corresponding to one of the edges or the centerline. Water bodies such as lakes and estuaries represented by polygonal entities were added to the coverage. The polygons were converted to lines in order for them to reside in the same ArcView line theme as the stream reaches. The database field structure was modified to correspond more closely to the 305(b)/303(d) list. After modifying the original map, stream reaches were added to the modified map to reflect the current 2000 305(b) list of waters. Stream reaches were added using the following methods: 305(b) stream reaches were identified and located using location description information as well as available marked Georgia Department of Transportation county road paper maps. Using the stream reach location, a line entity was added to the 305(b) map. In cases where there were DLG segments to represent the 305(b) stream reach, these line segments were directly transferred from the DLG coverage to the 305(b) map coverage, and multiple DLG segments were combined into one segment representing the 305(b) reach. In cases where DLG segments were not available to represent the stream reach, primarily in cases of smaller streams, the



stream reach was digitized into the map in the approximate location identified. For water bodies such as lakes and estuaries, DLG segments were used, when available, to define the boundaries of water bodies. In some instances, particularly estuaries, when DLG segments were not available to define the water body boundary, an ellipse was placed in the approximate location of the listed water bodies. The work performed to modify and update the original map was done using MapInfo software. The final map was converted from the MapInfo file format to the ArcView shapefile format using MapInfo's Universal Translator software. For database management purposes unique reach identifiers were assigned to each 305(b) listed water bodies according to the 10-digit hydrologic unit containing the downstream limit of the segment. The 305(b) map coverage database was checked against Georgia's published water quality assessment 305(b) list for the year 2000. For some listed waters the Actions to Alleviate database field has been truncated due to ArcView 3.x 254 character field length limit. Process Date December 2000

#### PROCESS CONTACT

**INDIVIDUAL'S NAME** Georgia Environmental Protection Division, Watershed Protection Branch  
**CONTACT'S ROLE** originator

#### PROCESS STEP

**WHEN THE PROCESS OCCURRED** 2002-06-30

**DESCRIPTION** Process Step 2: Creation of Georgia's 2002 305(b)/303(d) List Map The process of creating the 2002 List map consisted largely of modifying the 2000 list polyline coverage and attribute table to concur with the new 2002 305(b)/303(d) list document. Significant addition of water body reaches was accomplished using the same methods and software outlined in the 2000 list process. Some reach segments, which did not appear on 1:100,000 hydrology coverage, were drawn in estimated locations. As a final step, a table in dbase format containing the entire 2002 305(b)/303(d) list was joined with the polyline shapefile in ArcView 3.x to form the final product.

#### PROCESS CONTACT

**INDIVIDUAL'S NAME** Georgia Environmental Protection Division, Watershed Protection Branch  
**CONTACT'S ROLE** originator

#### PROCESS STEP

**WHEN THE PROCESS OCCURRED** 2004-12-31

**DESCRIPTION** Process Step 3: Creation of Georgia's 2004 305(b)/303(d) GIS Data Set The process of creating the 2004 List map was very similar to the process used in 2002. The process consisted largely of modifying the 2002 list polyline coverage and attribute table to concur with the new 2004 305(b)/303(d) list document. Significant additions of water bodies reaches and updates of attributes were accomplished using the same methods outlined in the 2000 list process. Some reach segments, which did not appear on 1:100,000 hydrology coverage, were drawn in estimated locations. For 2004, some work was done in ArcGIS ArcView 8.3 using the geodatabase structure. As a final step, a table in Access format containing the entire 2004 305(b)/303(d) list was joined with the polyline feature class in ArcGIS ArcView 8.3 to form the final product.

#### PROCESS CONTACT

**INDIVIDUAL'S NAME** Georgia Environmental Protection Division, Watershed Protection Branch  
**CONTACT'S ROLE** originator

#### PROCESS STEP

**WHEN THE PROCESS OCCURRED** 2006-06-30

**DESCRIPTION** Process Step 4: Creation of Georgia's 2006 303(d) GIS Data Set for linear Hydrography Only (ie Stream Reaches) The process of creating the 2006 303d List map was very similar to the process used in 2004. The process consisted largely of modifying the 2004 list polyline coverage and attribute table to concur with the new 2006 305(b)/303(d) list document. Significant additions of water body reaches and updates of attributes were accomplished using the same methods outlined in the 2000 list process. Some reach segments, which did not appear on 1:100,000 hydrology coverage, were drawn in estimated locations. For 2006, all work was done in ArcGIS ArcView 9.1 using the geodatabase structure. As a final step, a table in Access format containing the Year 2006 303(d) list (only partially and not supporting segments) was joined with the polyline feature class in ArcGIS ArcView 9.1 to form the final product.

#### PROCESS CONTACT

**INDIVIDUAL'S NAME** Georgia Environmental Protection Division, Watershed Protection Branch

CONTACT'S ROLE originator

#### PROCESS STEP

WHEN THE PROCESS OCCURRED 2008-08-31

DESCRIPTION Step 5: Creation of Georgia's 2008 303(d) GIS Data Set For All Listed Water bodies The process of creating the Year 2008 303d List map was very similar to the process used in 2006, however significant updates occurred and newer source GIS data was used. The process consisted largely of modifying the 2006 list polyline data set and attribute table to concur with the new 2008 305(b)/303(d) list document for coastal streams, coastal beaches, and streams. Also a separate polygon dataset was developed for lakes, sounds and harbors. Significant additions of water body reaches and updates of attributes were accomplished using the same methods outlined in the 2000 list process, however, all new lakes were added using the National Hydrography Dataset (NHD) Medium Resolution as source GIS data. Sounds and harbors were created by Georgia DNR Coastal Resource Division using aerial photography and color IR DOQQs. For 2008, all final work was done in ArcGIS ArcView 9.1 using the personal geodatabase structure. As a final step, a table in Access format containing the Year 2008 305(b)/303(d) list was joined with the polyline feature class in ArcGIS ArcView 9.1 to form the final product.

#### PROCESS CONTACT

INDIVIDUAL'S NAME Georgia Environmental Protection Division, Watershed Protection Branch

CONTACT'S ROLE originator

#### PROCESS STEP

WHEN THE PROCESS OCCURRED 2011-02-28

DESCRIPTION Process Step 6: Creation of Georgia's 2010 303(d) GIS Data Set For All Listed Water bodies The process of creating the Year 2010 303d List map was very similar to the process used in 2008. The process consisted largely of modifying the 2008 list polyline data set and attribute table to concur with the new 2010 305(b)/303(d) list document for coastal streams, coastal beaches, and streams and modifying the 2008 list polygon data set and attribute table to concur with the new 2010 305(b)/303(d) list document for lakes, sounds, and harbors. Significant additions of water body reaches and updates of attributes were accomplished using the same methods outlined in the 2000 list process. For 2010, all final work was done in ArcGIS ArcView 9.3 using the personal geodatabase structure. As a final step, a table in Access format containing the Year 2010 305(b)/303(d) list was joined with the polyline feature class in ArcGIS ArcView 9.3 to form the final product. Later the personal geodatabase was updated to ArcGIS 10.

#### PROCESS CONTACT

INDIVIDUAL'S NAME Georgia Environmental Protection Division, Watershed Protection Branch

CONTACT'S ROLE originator

#### SOURCE DATA

DESCRIPTION USGS DLG Hydrography 1:100,000. Custom digital line graph data set developed by USGS for Georgia EPD in 1996. Original base data set used to develop early versions of 305(b)/303(d) GIS data set.

#### RESOLUTION OF THE SOURCE DATA

SCALE DENOMINATOR 1/100000

#### SOURCE CITATION

TITLE USGS DLG Hydrography 1:100,000

CREATION DATE 1996-01-01

PUBLICATION DATE 1996-01-01

REVISION DATE 1996-01-01

PRESENTATION FORMAT digital map

#### RESPONSIBLE PARTY

ORGANIZATION'S NAME U.S. Geological Survey

CONTACT'S ROLE publisher



## CONTACT INFORMATION

## ADDRESS

CITY Atlanta

ADMINISTRATIVE AREA Georgia

## RESPONSIBLE PARTY

INDIVIDUAL'S NAME Alhadeff, Jack

ORGANIZATION'S NAME U.S. Geological Survey

CONTACT'S ROLE originator

## SOURCE DATA

DESCRIPTION Georgia's 2010 Integrated 305(b)/303(d) Report (also referred to as Water Quality in Georgia 2008-2009)

## SOURCE CITATION

TITLE Georgia's 2010 Integrated 305(b)/303(d) Report (also referred to as Water Quality in Georgia 2008-2009)

ALTERNATE TITLES Water Quality in Georgia 2008-2009

CREATION DATE 2010-11-11

PUBLICATION DATE 2010-11-11

REVISION DATE 2010-11-11

EDITION Georgia's 2010 Integrated 305(b)/303(d) Report

EDITION DATE

PRESENTATION FORMAT digital document

## RESPONSIBLE PARTY

INDIVIDUAL'S NAME Susan Salter

ORGANIZATION'S NAME Georgia Department of Natural Resources, Environmental Protection Division - Watershed Protection Branch

CONTACT'S POSITION 305(b)/303(d) Coordinator

CONTACT'S ROLE publisher

## CONTACT INFORMATION

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ADMINISTRATIVE AREA Georgia

POSTAL CODE 30354

## SOURCE DATA

DESCRIPTION DNR305B Stream Reaches

## RESOLUTION OF THE SOURCE DATA

SCALE DENOMINATOR 1/100000

## SOURCE CITATION

TITLE DNR305B Stream Reaches

## RESPONSIBLE PARTY

INDIVIDUAL'S NAME Musser, Jonathan W.

ORGANIZATION'S NAME U.S. Geological Survey

CONTACT'S ROLE publisher

#### SOURCE DATA

DESCRIPTION National Hydrography Dataset (NHD) Medium Resolution

#### RESOLUTION OF THE SOURCE DATA

SCALE DENOMINATOR 1/100000

#### SOURCE CITATION

TITLE National Hydrography Dataset (NHD) Medium Resolution

PRESENTATION FORMAT digital map

#### RESPONSIBLE PARTY

INDIVIDUAL'S NAME U.S. Geological Survey

ORGANIZATION'S NAME U.S. Geological Survey

CONTACT'S ROLE originator

#### CONTACT INFORMATION

##### ONLINE RESOURCE

ONLINE LOCATION (URL) <http://nhd.usgs.gov/index.html>

FUNCTION PERFORMED information

Hide ▲

## Distribution Information ►

#### DISTRIBUTOR

##### CONTACT INFORMATION

INDIVIDUAL'S NAME Watershed Planning and Monitoring Program

ORGANIZATION'S NAME Georgia Environmental Protection Division, Watershed Protection Branch

CONTACT'S ROLE distributor

##### CONTACT INFORMATION

##### PHONE

VOICE 404-675-6232

##### ADDRESS

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ADMINISTRATIVE AREA Georgia

POSTAL CODE 30354

##### ONLINE RESOURCE

FUNCTION PERFORMED information

#### AVAILABLE FORMAT

\* FORMAT NAME Personal GeoDatabase Feature Class

#### TRANSFER OPTIONS

##### ONLINE SOURCE

\* ONLINE LOCATION (URL) file:///\\DNR132205\C\$\Documents and Settings\JOblinger\My Documents\GIS Projects\Susan\305B\_303D\2010\Y2010\_305b303d\_Final.mdb

\* CONNECTION PROTOCOL Local Area Network

DESCRIPTION Downloadable Data

## DISTRIBUTION FORMAT

\* **FORMAT NAME** Personal GeoDatabase Feature Class

Hide ▲

## Metadata Details ►

\* **METADATA LANGUAGE** English

\* **METADATA CHARACTER SET** utf16 - 16 bit UCS Transfer Format

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

\* **SCOPE NAME** dataset

## METADATA CONTACT

**INDIVIDUAL'S NAME** Barbara Stitt - Allen / Jennifer Oblinger

**ORGANIZATION'S NAME** Georgia Environmental Protection Division, Watershed Protection Branch

**CONTACT'S POSITION** GIS Coordinators

**CONTACT'S ROLE** point of contact

## CONTACT INFORMATION

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## ADDRESS

**DELIVERY POINT** 4220 International Parkway, Suite 101

**CITY** Atlanta

**ADMINISTRATIVE AREA** Georgia

**POSTAL CODE** 30354

\* **LAST UPDATE** 2011-03-31

## MAINTENANCE

**DATE OF NEXT UPDATE** 2012-12-01

**UPDATE FREQUENCY** as needed

## TIME PERIOD BETWEEN UPDATES

**TIME DURATION** GIS Data Set and Metadata Updated Biennially

**SCOPE OF THE UPDATES** dataset

**OTHER MAINTENANCE REQUIREMENTS** The Integrated 305(b)/303(d) Report and supporting GIS data set with metadata are produced every two years. Next report will be published Fall 2012.

## METADATA CONSTRAINTS

## CONSTRAINTS

## LIMITATIONS OF USE

This ESRI GIS data set is based on the descriptive locations of the listed water bodies within the Year 2010 Integrated 305(b)/303(d) Report, however, it should not be considered as Georgia's approved list. While reasonable effort has been made to ensure this GIS data set accurately reflects the approved list, if discrepancies are found, the water body information in the .pdf documents mentioned in the metadata abstract are to be considered official and supercede the GIS data set. Designations of assessment pending, supporting and not supporting are valid for the current time-period and may be changed by Georgia EPD upon additional water quality monitoring and subsequent evaluation. Water bodies and their conditions may change due to new water quality monitoring results and other pertinent information. The data set depicts water bodies at a detail suitable for scales of 1:100,000 or smaller.

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#### LEGAL CONSTRAINTS

ACCESS CONSTRAINTS other restrictions

USE CONSTRAINTS other restrictions

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NAME OF THE METADATA STANDARD USED ArcGIS Metadata

VERSION OF THE METADATA STANDARD 1.0

Hide ▲

## ESRI Metadata and Item Properties ►

#### METADATA PROPERTIES

ARCGIS ArcGIS1.0

METADATA STYLE North American Profile of ISO19115 2003

METADATA STANDARD OR PROFILE ISO19139

CREATED IN ARCGIS 2011-03-25T11:06:23

LAST MODIFIED IN ARCGIS 2011-03-31T13:34:00

#### AUTOMATIC UPDATES

LAST UPDATE 2011-03-31T13:34:00

HAVE BEEN PERFORMED Yes

#### ITEM PROPERTIES

NAME Y2010\_305b303d\_Lakes\_Sounds\_Harbors

CONTENT TYPE Downloadable Data

Hide ▲

## ESRI Spatial Information ►

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

##### BOUNDING RECTANGLE

\* WEST LONGITUDE -85.337910

\* EAST LONGITUDE -80.927950

\* NORTH LATITUDE 34.987670

\* SOUTH LATITUDE 30.709740

\* EXTENT CONTAINS THE RESOURCE Yes

#### COORDINATE REFERENCE

TYPE Geographic

GEOGRAPHIC COORDINATE REFERENCE GCS\_North\_American\_1983

##### COORDINATE REFERENCE DETAILS

GEOGRAPHIC COORDINATE SYSTEM

WELL-KNOWN IDENTIFIER 4269

```

X ORIGIN    -399.99999999947931
Y ORIGIN    -399.99999999933635
XY SCALE    1855093941.0506289
Z ORIGIN    -1073741.8234999999
Z SCALE     7999.9999925494194
M ORIGIN    -1073741.8234999999
M SCALE     999.99999906867743
XY TOLERANCE 4.3124500721883742e-009
Z TOLERANCE 0.0020000000018626451
M TOLERANCE 0.0020000000018626451
HIGH PRECISION true
LEFT LONGITUDE -180
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]]

```

Hide ▲

## ESRI Feature Class ►

FEATURE CLASS NAME Y2010\_305b303d\_Lakes\_Sounds\_Harbors

- \* FEATURE TYPE Simple
- \* GEOMETRY TYPE Polygon
- \* HAS TOPOLOGY FALSE
- \* FEATURE COUNT 89
- \* SPATIAL INDEX TRUE
- \* LINEAR REFERENCING TRUE

Hide ▲

## ESRI Fields and Subtypes ►

Y2010\_305b303d\_Lakes\_Sounds\_Harbors Feature Class

- \* ROW COUNT 89

### DEFINITION

Attribute table of GIS data set for Georgia's 2010 Integrated 305(b)/303(d) Report (also referred to as Water Quality in Georgia 2008-2009) FINAL. The attributes contain the same information found in the 305(b)/303(d) List Report.

FIELD OBJECTID

- \* ALIAS OBJECTID
- \* DATA TYPE OID
- \* WIDTH 4
- \* 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
- FIELD DESCRIPTION

Feature geometry.

#### DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES Coordinates defining the features.

#### FIELD Reach\_ID

\* ALIAS Reach\_ID

\* DATA TYPE String

\* WIDTH 24

#### FIELD DESCRIPTION

Unique alphanumeric identifier for a 305(b)/303(d) listed reach. Derived from HUC ID number for USGS delineated 10 digit HUC watersheds. R indicates EPD reach, next 10 digits is the HUC 10 code and last 2 digits are internal EPD assigned digits.

#### DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

#### FIELD Reach\_Name

\* ALIAS Reach\_Name

\* DATA TYPE String

\* WIDTH 80

#### FIELD DESCRIPTION

Name of 305(b)/303(d) listed water bodies. Water body names are consistent with either naming on NHD Medium Resolution, USGS topographical maps, Georgia DOT County Maps or River Reach 3 coverage.

#### DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

#### FIELD Reach\_Location

\* ALIAS Reach\_Location

\* DATA TYPE String

\* WIDTH 120

#### FIELD DESCRIPTION

Location information, usually extent location, for 305(b)/303(d) listed water body.

#### DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

#### FIELD River\_Basin

\* ALIAS River\_Basin

\* DATA TYPE String

\* WIDTH 50

#### FIELD DESCRIPTION

Major river basin containing the 305(b)/303(d) listed water body.

#### DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

#### LIST OF VALUES

VALUE Altamaha

VALUE Chattahoochee

VALUE Coosa

VALUE Flint



VALUE Ochlockonee

VALUE Ocmulgee

VALUE Ocone

VALUE Ogeechee

VALUE St. Marys

VALUE Satilla

VALUE Savannah

VALUE Suwannee

VALUE Tallapoosa

VALUE Tennessee

FIELD Criterion\_Viol

\* ALIAS Criterion\_Viol

\* DATA TYPE String

\* WIDTH 50

FIELD DESCRIPTION

Water quality criterion violated by 305(b)/303(d) listed water body. A water body can have multiple violations separated by a comma. Segments with the evaluation "Assessment Pending" or "Supporting" do not have violations; therefore, these fields are left blank.

DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

LIST OF VALUES

VALUE As

DESCRIPTION Arsenic

VALUE Bio F

DESCRIPTION Biota Impacted (Fish Community)

VALUE Bio M

DESCRIPTION Biota Impacted (Macroinvertebrate Community)

VALUE Cd

DESCRIPTION Cadmium

VALUE Cu

DESCRIPTION Copper

VALUE 1,1-DCE

DESCRIPTION 1,1- Dichloroethylene

VALUE DO

DESCRIPTION Dissolved Oxygen

VALUE CFB

DESCRIPTION Commercial Fishing Ban

VALUE Chlorophyll a

DESCRIPTION Chlorophyll a

VALUE FC

DESCRIPTION Fecal Coliform Bacteria

VALUE FCG

DESCRIPTION Fish Consumption Guidance

VALUE FCG(DDE/DDD)

DESCRIPTION Fish Consumption Guidance for DDE/DDD

VALUE Hg

DESCRIPTION Mercury

VALUE Pb

DESCRIPTION Lead

VALUE PCE

DESCRIPTION Tetrachloroethylene

VALUE SB

DESCRIPTION Shellfishing Ban

VALUE Temp

DESCRIPTION Temperature

VALUE TCA

DESCRIPTION 1,1,2 - Trichloroethane

VALUE Tox

DESCRIPTION Toxicity Indicated

VALUE TWR

DESCRIPTION Trophic-Weighted Residue Value of Mercury in fish tissue exceeding the EPD human health standard of 0.3 mg/kg

VALUE Zn

DESCRIPTION Zinc

VALUE TCE

DESCRIPTION Trichloroethylene

FIELD Potential\_Causes

\* ALIAS Potential\_Causes

\* DATA TYPE String

\* WIDTH 50

FIELD DESCRIPTION

Evaluated causes attributed to water quality criterion violation 303(d) listed water body. A water body can have multiple sources separated by a comma.

DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

LIST OF VALUES

VALUE CSO

DESCRIPTION Combined Sewer Overflow

VALUE I1

DESCRIPTION Industrial Facility

VALUE I2

DESCRIPTION Residual from Industrial Source

VALUE MA

DESCRIPTION Marina

VALUE M

DESCRIPTION Municipal Facility

VALUE NP

DESCRIPTION Nonpoint Sources/Unknown Sources

VALUE UR

DESCRIPTION Urban Runoff/Urban Effects

VALUE SB

DESCRIPTION Shellfish Ban

FIELD Data\_Source

\*ALIAS Data\_Source

\*DATA TYPE String

\*WIDTH 12

FIELD DESCRIPTION

Source(s) of data used in the water quality assessment. A water body can have multiple data sources separated by a comma. In cases where the data source was unknown, the field was left blank.

DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

LIST OF VALUES

VALUE 1

DESCRIPTION DNR-EPD-WPB, Watershed Planning & Monitoring Program

VALUE 2

DESCRIPTION DNR-EPD-WPB, Permitting Comp. & Enf. Program (Municipal)

VALUE 3

DESCRIPTION DNR-EPD-WPB, Permitting Comp. & Enf. Program (Industrial)

VALUE 4

DESCRIPTION DNR, Wildlife Resources Division

VALUE 5

DESCRIPTION DNR, Coastal Resources Division

VALUE 6

DESCRIPTION State University of West Georgia

VALUE 7

DESCRIPTION Gainesville College

VALUE 8

DESCRIPTION Georgia Institute of Technology

VALUE 9

DESCRIPTION U.S. Environmental Protection Agency

VALUE 10

DESCRIPTION U.S. Geological Survey

VALUE 11

DESCRIPTION U.S. Army Corps of Engineers

VALUE 12

DESCRIPTION U.S. Forest Service

VALUE 13

DESCRIPTION Tennessee Valley Authority

VALUE 14

DESCRIPTION Cobb County

VALUE 15

DESCRIPTION Dekalb County

VALUE 16

DESCRIPTION Douglas County Water & Sewer Authority

VALUE 17

DESCRIPTION Fulton County

VALUE 18

DESCRIPTION Gwinnett County

VALUE 19

DESCRIPTION City of Clayton

VALUE 20

DESCRIPTION City of Gainesville

VALUE 21

DESCRIPTION City of LaGrange

VALUE 22

DESCRIPTION Georgia Mountains RDC

VALUE 23

DESCRIPTION City of Conyers

VALUE 24

DESCRIPTION Lake Allatoona (Kennesaw State University)

VALUE 25

DESCRIPTION Lake Blackshear (Lake Blackshear Watershed Association)

VALUE	26
DESCRIPTION	Lake Lanier (University of Georgia)
VALUE	27
DESCRIPTION	West Point (LaGrange College/Auburn University)
VALUE	28
DESCRIPTION	Georgia Power Company
VALUE	29
DESCRIPTION	Oglethorpe Power Company
VALUE	30
DESCRIPTION	South Carolina Electric & Gas Company
VALUE	31
DESCRIPTION	South Carolina DHEC
VALUE	32
DESCRIPTION	Jones Ecological Research Center
VALUE	33
DESCRIPTION	Alabama DEM
VALUE	34
DESCRIPTION	City of College Park
VALUE	35
DESCRIPTION	Kennesaw State University
VALUE	36
DESCRIPTION	University of Georgia
VALUE	37
DESCRIPTION	Columbus Water Works
VALUE	38
DESCRIPTION	Columbus Unified Government
VALUE	39
DESCRIPTION	St. Johns River Water Mgmt. District
VALUE	40
DESCRIPTION	Town of Trion, Georgia
VALUE	41
DESCRIPTION	Cherokee County
VALUE	42
DESCRIPTION	Clayton County Water Authority
VALUE	43
DESCRIPTION	City of Atlanta

VALUE	44
DESCRIPTION	City of Cartersville
VALUE	45
DESCRIPTION	Georgia Ports Authority
VALUE	46
DESCRIPTION	Chattahoochee/Flint RDC
VALUE	47
DESCRIPTION	Upper Etowah Adopt-A-Stream
VALUE	48
DESCRIPTION	Middle Flint RDC
VALUE	49
DESCRIPTION	Central Savannah RDC
VALUE	50
DESCRIPTION	Chatham County
VALUE	51
DESCRIPTION	City of Savannah
VALUE	52
DESCRIPTION	Heart of Georgia RDC
VALUE	53
DESCRIPTION	City of Augusta RDC
VALUE	54
DESCRIPTION	Southwire Company
VALUE	55
DESCRIPTION	DNR-EPD-Program Support Division, Brunswick Coastal District
VALUE	56
DESCRIPTION	DNR-EPD, Hazardous Waste Mgmt. Branch
VALUE	57
DESCRIPTION	Ellijay High School
VALUE	58
DESCRIPTION	DNR, Georgia Parks Recreation & Historic Sites Division
VALUE	59
DESCRIPTION	DNR-EPD, Ambient Monitoring Unit (Macroinvertebrate Team)
VALUE	60
DESCRIPTION	Forsyth County
VALUE	61
DESCRIPTION	Tyson Foods, Inc.



VALUE 62

DESCRIPTION South Georgia RDC

VALUE 63

DESCRIPTION Northeast GA RDC

VALUE 64

DESCRIPTION Ogeechee Canoochee Riverkeeper

VALUE 65

DESCRIPTION Screven County

VALUE 66

DESCRIPTION Coastal GA RDC

VALUE 67

DESCRIPTION City of Roswell

VALUE 68

DESCRIPTION City of Alpharetta

VALUE 69

DESCRIPTION Columbia County

VALUE 70

DESCRIPTION Southwest GA RDC

VALUE 71

DESCRIPTION Southwest GA RDC

VALUE 72

DESCRIPTION Coweta County

VALUE 73

DESCRIPTION Middle GA RDC

FIELD County

\*ALIAS County

\*DATA TYPE String

\*WIDTH 60

FIELD DESCRIPTION

Georgia county or counties that the water body is found within or overlaps.

DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

CODED VALUES

NAME OF CODELIST Georgia Counties

FIELD Waterbody\_Type

\*ALIAS Waterbody\_Type

\*DATA TYPE String

\*WIDTH 25

FIELD DESCRIPTION

Waterbody type of 305(b)/303(d) listed reach.

## DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

## LIST OF VALUES

VALUE Coastal Beach

VALUE Coastal Stream

VALUE Stream

VALUE Lake

VALUE Sound/Harbor

## FIELD Water\_Use

\*ALIAS Water\_Use

\*DATA TYPE String

\*WIDTH 50

## FIELD DESCRIPTION

Water use classification for the 305(b)/303(d) listed water body. A water body can have multiple water use classifications separated by a slash.

## DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

## LIST OF VALUES

VALUE Coastal Fishing

VALUE Drinking Water

VALUE Fishing

VALUE Recreation

VALUE Wild and Scenic

## FIELD Evaluation\_Use

\*ALIAS Evaluation\_Use

\*DATA TYPE String

\*WIDTH 25

## FIELD DESCRIPTION

Water quality assessment result evaluation. USEPA requirements abandoned these evaluations and replaced with Category Tier levels. GAEPD will continue to use evaluation designations in the 305(b)/303(d) list to ensure transition to new Category Tiers.

## DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

## LIST OF VALUES

VALUE Not Supporting

VALUE Supporting

VALUE Assessment Pending

## FIELD Category\_Tier

\*ALIAS Category\_Tier

\*DATA TYPE String

\* WIDTH 50

FIELD DESCRIPTION

Category Tier Level

DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

LIST OF VALUES

VALUE 1

**DESCRIPTION** Category 1 - Data indicates that waters are meeting their designated use(s). The placement of a water body in Category 1 is comparable to a water body having been on the "supporting" list in previous 305(b)/303(d) lists.

VALUE 3

**DESCRIPTION** Category 3 - There is insufficient data or other information to make a determination as to whether or not the designated use(s) is being met. In the past, if GA EPD had insufficient data to make an assessment of use attainment, the water body in question was not included in the 305(b)/303(d) list. The inclusion of Category 3 will allow GA EPD to include these waters on the list which will help the State to keep track of them until such time that there is enough data to make an assessment. GA EPD's goal is to minimize the use of this Category as much as possible.

VALUE 4a

**DESCRIPTION** Category 4a - Data indicates that at least one designated use is not being met, but TMDL(s) have been completed for the parameter(s) that are causing a water not to meet its use(s). In previous 305(b)/303(d) lists, a water body that was determined not to be supporting its use, but a TMDL had been completed for the parameter of concern would have been indicated by the presence of the number "3" in the 303(d) column of the report.

VALUE 4b

**DESCRIPTION** Category 4b - Data indicates that at least one designated use is not being met, but there are actions in place (other than a TMDL) that are predicted to lead to compliance with water quality standards. In previous 305(b)/303(d) lists, waters meeting this condition would have been indicated by the presence of the number "2" in the 303(d) column of the report. An example of a situation that may warrant placing a water body in Category 4b is the following: A stream is found to be "not supporting" its use due to excessive amounts of lead in the water column. It is known that the source of lead is a particular industry and that industry has been given a lead limit in their NPDES permit and is under a compliance schedule to meet that limit within a specific period of time.

VALUE 5

**DESCRIPTION** Category 5 - Data indicates that at least one designated use is not being met and TMDL(s) need to be completed for one or more pollutants. In previous 305(b)/303(d) lists, a water body that was determined not to be supporting its use and for which a TMDL still needed to be completed was indicated by the presence of an "x" in the 303(d) column of the report.

FIELD Area\_Extent

\* ALIAS Area\_Extent

\* DATA TYPE Integer

\* WIDTH 4

FIELD DESCRIPTION

Extent of water body corresponding to 305(b)/303(d) listed stream reach. Value represents acres in whole numbers for lakes and square miles for sounds and harbors.

DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

FIELD Extent\_Units

\* ALIAS Extent\_Units

\* DATA TYPE String

\* WIDTH 10

FIELD DESCRIPTION

Extent units of water body corresponding to 305(b)/303(d) listed reach. Value represents acres or square miles for lakes, sounds, and harbors.

DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

FIELD Priority\_Year

\* ALIAS Priority\_Year

\* DATA TYPE String

\* WIDTH 50

FIELD DESCRIPTION

The year a TMDL was developed for 303(d) segment or proposed year for future TMDL development.

DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

FIELD Notes

\* ALIAS Notes

\* DATA TYPE String

\* WIDTH 254

FIELD DESCRIPTION

Additional comments and notes within the 305(b)/303(d) list. If an asterisk (\*) appears in this field, please refer to the Year 2010 Integrated 305(b)/303(d) Report which can be found at <http://www.gaepd.org/Documents/305b.html> for the complete entry.

DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

FIELD ReachHUC8

\* ALIAS ReachHUC8

\* DATA TYPE String

\* WIDTH 10

FIELD DESCRIPTION

The U.S. Geological Survey Hydrologic Units 8 digit code that contains the 305(b)/303(d) listed reach.

DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

FIELD ReachHUC10

\* ALIAS ReachHUC10

\* DATA TYPE String

\* WIDTH 13

FIELD DESCRIPTION

The U.S. Geological Survey Hydrologic Units 10 digit code that contains the 305(b)/303(d) listed reach. If the water body overlaps more than one HUC 10 then the lower draining HUC10 is used

DESCRIPTION SOURCE

Georgia Environmental Protection Division - Watershed Protection Branch

FIELD Shape\_Length

\* ALIAS Shape\_Length

\* DATA TYPE Double

\* WIDTH 8

FIELD DESCRIPTION

Length of feature in internal units.

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES Positive real numbers that are automatically generated.

FIELD Shape\_Area

\*ALIAS Shape\_Area

\*DATA TYPE Double

\*WIDTH 8

FIELD DESCRIPTION

Area of feature in internal units squared.

DESCRIPTION SOURCE

ESRI

DESCRIPTION OF VALUES Positive real numbers that are automatically generated.

Hide ▲

## ESRI Thumbnails and Enclosures ►

THUMBNAIL

ENCLOSURE TYPE Picture



Hide ▲

## ESRI Geoprocessing History ▼

## FGDC Metadata ▼