

SDV_PUBLIC.HYDRO_GIS_POLYGON

Data format: SDE Feature Class

File or table name: SDV_PUBLIC.HYDRO_GIS_POLYGON

Coordinate system: Lambert Conformal Conic

Theme keywords: Use Support, Stream Classification, Use Rating, Use Basis, Hydrography, Surface Waters, Water Quality, Blue line streams, Inland Waters, 012

Abstract: The North Carolina Center for Geographic Information and Analysis, in cooperation with the North Carolina Division of Water Quality, developed this digital hydrography dataset with Use Support information and water quality classifications to enhance planning, siting and impact analysis. This file enable users to identify surface water features which have special restrictions for building and development based on the locations of the features and their water quality classifications. Surface waters consist of streams, rivers, lakes, ponds, reservoirs, and shorelines. This file also enables users to determine whether a particular surface water is meeting its intended water quality uses. The linework is based on the USGS 1:24,000-scale Digital Line Graphs but has had additions from other sources as needed to include the hydrographic features in the stream classification codes. The data are updated as changes occur.

FGDC and ESRI Metadata:

- [Identification Information](#)
- [Data Quality Information](#)
- [Spatial Data Organization Information](#)
- [Spatial Reference Information](#)
- [Entity and Attribute Information](#)
- [Distribution Information](#)
- [Metadata Reference Information](#)

Metadata elements shown with blue text are defined in the Federal Geographic Data Committee's (FGDC) [Content Standard for Digital Geospatial Metadata \(CSDGM\)](#). Elements shown with green text are defined in the [ESRI Profile of the CSDGM](#). Elements shown with a green asterisk (*) will be automatically updated by ArcCatalog. ArcCatalog adds hints indicating which FGDC elements are mandatory; these are shown with gray text.

Identification Information:

Citation:

Citation information:

Originators: North Carolina Center for Geographic Information and Analysis

***Title:**

SDV_PUBLIC.HYDRO_GIS_POLYGON

***File or table name:** SDV_PUBLIC.HYDRO_GIS_POLYGON

Publication date: 20060210

***Geospatial data presentation form:** vector digital data

Publication information:

Publication place: Raleigh, NC

Publisher: North Carolina Center for Geographic Information and Analysis

Other citation details:

NCCGIA distributes this dataset

***Online linkage:** Service=sde:oracle11g:/;LOCAL=TCCDQ26; User=sdv_public; Version=SDE.DEFAULT

Description:

Abstract:

The North Carolina Center for Geographic Information and Analysis, in cooperation with the North Carolina Division of Water Quality, developed this digital hydrography dataset with Use Support information and water quality classifications to enhance planning, siting and impact analysis. This file enable users to identify surface water features which have special restrictions for building and development based on the locations of the features and their water quality classifications. Surface waters consist of streams, rivers, lakes, ponds, reservoirs, and shorelines. This file also enables users to determine whether a particular surface water is meeting its intended water quality uses. The linework is based on the USGS 1:24,000-scale Digital Line Graphs but has had additions from other sources as needed to include the hydrographic features in the stream classification codes. The data are updated as changes occur.

Purpose:

This dataset was created to provide a large and diverse group of users a data resource of North Carolina surface waters to enhance planning for sustainable growth and assist governmental agencies in making resource management decisions through use of a Geographic Information System (GIS).

Supplemental information:

Post DLG and data refinements include:

- a) Translation of DLG to ARC/INFO data format
- b) Review and correction for incompleteness and/or incorrect DLG attributes
- c) Internal and external (in-progress) coordinate edgematching of features along map edges
- d) Addition of hydrographic features as required by DWQ for stream classifications
- e) Addition of hydrographic attributes as identified in attribute table specifications

Use support for the basin will be updated on a 5-year schedule concurrent with the North Carolina Division of Water Quality basinwide planning schedule. Stream classification information will be updated as changes occur.

***Language of dataset:** en

Time period of content:

Time period information:**Single date/time:**

Calendar date: REQUIRED: The year (and optionally month, or month and day) for which the data set corresponds to the ground.

Range of dates/times:

Beginning date: 19971115

Ending date: present

Currentness reference:

Digital data release and revision dates

Status:

Progress: Complete

Maintenance and update frequency: As needed

Spatial domain:**Bounding coordinates:**

***West bounding coordinate:** -84.411587

***East bounding coordinate:** -75.420600

***North bounding coordinate:** 36.600678

***South bounding coordinate:** 33.715202

Local bounding coordinates:

***Left bounding coordinate:** 409600.870401

***Right bounding coordinate:** 3051355.035698

***Top bounding coordinate:** 1037588.657529

***Bottom bounding coordinate:** 29246.317263

Keywords:**Theme:**

Theme keywords: Use Support, Stream Classification, Use Rating, Use Basis, Hydrography, Surface Waters, Water Quality, Blue line streams

Theme keyword thesaurus: None

Theme:

Theme keywords: Inland Waters, 012

Theme keyword thesaurus: ISO 19115 Topic Category

Place:

Place keywords: North Carolina

Place keyword thesaurus: William S. Powell, The North Carolina GAZETTEER, A

Access constraints: None

Use constraints:

Acknowledgement of products derived from this data set should cite the following: The source of the Hydrography (1:24,000) with use support data set is the NC OneMap Database. Earlier versions of this dataset may exist. The user must be sure to use the appropriate data set for the time period and river basin of interest. While efforts have been made to ensure that these data are accurate and reliable within the state of the art, CGIA cannot assume liability for any damages or misrepresentation caused by any inaccuracies in the data or as a result of changes to the data caused by system transfers.

Point of contact:**Contact information:**

Contact organization primary:**Contact person:** Data Distribution**Contact organization:** NC Center for Geographic Information and Analysis**Contact position:** Data Distribution**Contact address:****Address type:** mailing address**Address:**

20322 Mail Service Center

City: Raleigh**State or province:** NC**Postal code:** 27699-0322**Country:** USA**Contact address:****Address type:** physical address**Address:**

301 N. Wilmington Street, Suite 700

City: Raleigh**State or province:** NC**Postal code:** 27601**Country:** USA**Contact voice telephone:** 919-733-2090**Contact facsimile telephone:** 919-715-0725**Contact electronic mail address:** dataq@ncmail.net**Hours of service:** 8:30 AM - 5:30 PM, Monday - Friday**Contact instructions:**

Contact by phone or email preferred.

Native dataset format:** SDE Feature ClassNative data set environment:**

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 3; ESRI ArcCatalog 9.3.1.3000

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Data Quality Information:**Attribute accuracy:****Attribute accuracy report:**

All attribute codes have been reviewed for accuracy by the associated agency. NCDENR, Division of Water Quality is responsible for stream classifications and use

support. The NC Center for Geographic Information and Analysis is responsible for linework and DLG codes.

Logical consistency report:

Software checks for topology. There are no duplicate features, but coincident lines are maintained between data layers where appropriate.

Polygonal features begin and end at the same point, contain no overshoots or

undershoots. Linear features are continuous where appropriate, i.e., dangling arcs are removed if they are not required.

Completeness report:

These data represent the locations and identities of surface shorelines, waters consisting of streams and rivers, lakes, ponds, and as depicted on USGS 1:24,000-scale digital line graphs and supplemented to reflect hydrographic features classified by the state but not represented on the original DLG linework. Each stream reach is labeled with stream classification and use support information.

Positional accuracy:

Horizontal positional accuracy:

Horizontal positional accuracy report:

Hydrography 1:24,000-scale features were taken from the USGS 1:24,000-scale DLGs. Supplemented hydrographic features were digitized from 1:100,000-scale bases and the linework checked against the bases to within a linewidth.

Lineage:

Source information:

Source citation:

Citation information:

Originators: US Geological Survey

Title:

USGS 7.5 Minute series quadrangles

Publication date: Unknown

Geospatial data presentation form: Map

Publication information:

Publication place: Reston, Virginia

Publisher: US Geological Survey

Other citation details:

Published Map Series

Source scale denominator: 24000

Type of source media: stable-base material

Source citation abbreviation:

None

Source contribution:

Basis for linework

Source time period of content:

Time period information:

Range of dates/times:

Beginning date: 1938

Ending date: 1990

Source currentness reference:

Publication dates of quadrangles

Source information:

Source citation:

Citation information:**Originators:** NC Center for Geographic Information and Analysis**Title:**

Hydrography (1:100,000)

Publication date: 20020905**Geospatial data presentation form:** Map**Publication information:****Publication place:** Raleigh, North Carolina**Publisher:** NC Center for Geographic Information and Analysis**Other citation details:**

CGIA distributes the data

Source scale denominator: 100000**Type of source media:** GIS dataset**Source citation abbreviation:**

None

Source contribution:Reference for attribute coding of use support
and stream classification information**Source time period of content:****Time period information:****Range of dates/times:****Beginning date:** 19980601**Ending date:** Unknown**Source currentness reference:**

Original release date

Source information:**Source citation:****Citation information:****Originators:** NC DENR - Div. of Water Quality, Water Quality
Planning Section**Title:**

Use Support and water quality Classification Information

Publication date: Unknown**Publication information:****Publication place:** Raleigh, North Carolina**Publisher:** NC DENR - Div. of Water Quality, Water Quality
Planning Section**Other citation details:**

Data is updated as needed

Type of source media: Paper**Source citation abbreviation:**

None

Source contribution:

water quality assessment database and BIMS stream classification schedules

Source time period of content:

Time period information:

Range of dates/times:

Beginning date: Unknown

Ending date: Unknown

Source currentness reference:

Original release date

Process step:

Process description:

The statewide 1:24,000 hydrography tiles were edgematched and mapjoined. The neatlines and extraneous labels points were removed. The coverages were clipped to the North Carolina river basin boundaries derived from the HUNCRB data layer. Each river basin was edited such that index numbers matched their corresponding stream reach. Attributes were re-named and edited in cooperation with the Division of Water quality. CGIA and DWQ updates the digital files as needed.

Process date: 20020905

Process contact:

Contact information:

Contact organization primary:

Contact person: Gregg Vulinec

Contact organization: NC Center for Geographic Information and Analysis

Contact position: GIS Technician

Contact address:

Address type: Mailing address

Address:

20322 Mail Center Services

City: Raleigh

State or province: North Carolina

Postal code: 27699-0322

Country: U.S.A.

Contact address:

Address type: physical address

Address:

301 N. Wilmington Street, Suite 700

City: Raleigh

State or province: NC

Postal code: 27601

Country: USA

Contact voice telephone: 919.733.2090

Contact facsimile telephone: 919.715.0725

Contact electronic mail address: gregg.vulinec@ncmail.net

Hours of service: 8:30 AM - 5:30 PM, Monday - Friday

Contact instructions:

Contact by phone and email preferred.

Process step:

Process description:

Water quality for specific stream reaches were assessed by DWQ and a use support ratings assigned. This rating identifies how well a stream reach meets its designated uses. Ratings and additional attributes are maintained in an ACCESS database and updated by river basin on a 5-year rotation. The Division of Water Quality joins these data to the 24k hydrography data layer. DWQ provides CGIA with updates as they occur either from a new assessment, reclassification or correction.

Process date: Unknown

Process contact:

Contact information:

Contact person primary:

Contact person: Cam McNutt

Contact organization: NC DENR, DIVISION OF WATER QUALITY, PLANNING Section

Contact address:

Address type: mailing address

Address:

1617 Mail Service Center

City: Raleigh

State or province: North Carolina

Postal code: 27699-1617

Country: U.S.A.

Contact voice telephone: 919.733.5083 x575

Contact facsimile telephone: 919.715.5637

Contact electronic mail address: cam.mcnutt@ncmail.net

Hours of service: 8:00 AM - 5:00 PM, Monday - Friday

Contact instructions:

Preferred contact is by telephone or email

Process step:

Process description:

NCDOT GIS Unit added 3 fields for use in labeling.

Process date: Unknown

Process contact:

Contact information:

Contact organization primary:

Contact organization: NCDOT GIS UNIT

Contact address:

Address type: physical address

Address:

4101 Capital Blvd
City: Raleigh
State or province: NC
Postal code: 27604
Country: USA

Contact voice telephone: 919-707-2156
Contact facsimile telephone: 919-707-2214

Contact electronic mail address: gishelp@ncdot.gov

Hours of service: 8am - 5pm, M-F
Contact instructions:
 Email gishelp@ncdot.gov or Phone.

Process step:

Process description:
 Metadata imported.

Process date: 20101105
Process time: 13564500

Source used citation abbreviation:
 S:\GIS-TechShare\SDVProject_Data\SDV Priority 1 Data\17Streams (Hydro
 24k)\HYDRO_GIS_POLYGON.xml

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Spatial Data Organization Information:

***Direct spatial reference method:** Vector

Point and vector object information:

SDTS terms description:
 ***Name:** SDV_PUBLIC.HYDRO_GIS_POLYGON
 ***SDTS point and vector object type:** G-polygon
 ***Point and vector object count:** 137805

ESRI terms description:
 ***Name:** SDV_PUBLIC.HYDRO_GIS_POLYGON
 ***ESRI feature type:** Simple
 ***ESRI feature geometry:** Polygon
 ***ESRI topology:** FALSE
 ***ESRI feature count:** 137805
 ***Spatial index:** TRUE
 ***Linear referencing:** FALSE

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Spatial Reference Information:

Horizontal coordinate system definition:
Coordinate system name:

***Projected coordinate system name:**

NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet

Geographic coordinate system name:** GCS_North_American_1983**Planar:*Map projection:*****Map projection name:** Lambert Conformal Conic**Lambert conformal conic:*****Standard parallel:** 34.333333***Standard parallel:** 36.166667***Longitude of central meridian:** -79.000000***Latitude of projection origin:** 33.750000***False easting:** 2000000.002617***False northing:** 0.000000**Planar coordinate information:*****Planar coordinate encoding method:** coordinate pair**Coordinate representation:*****Abscissa resolution:** 0.032808***Ordinate resolution:** 0.032808***Planar distance units:** survey feet**Geodetic model:*****Horizontal datum name:** North American Datum of 1983***Ellipsoid name:** Geodetic Reference System 80***Semi-major axis:** 6378137.000000***Denominator of flattening ratio:** 298.257222**Vertical coordinate system definition:****Altitude system definition:*****Altitude resolution:** 1.000000***Altitude encoding method:** Explicit elevation coordinate included with horizontal coordinates[Back to Top](#)**Entity and Attribute Information:****Detailed description:*****Name:** SDV_PUBLIC.HYDRO_GIS_POLYGON**Entity type:*****Entity type label:** SDV_PUBLIC.HYDRO_GIS_POLYGON***Entity type type:** Feature Class***Entity type count:** 137805**Entity type definition:**

Locations of surface waters consisting of streams and rivers, lakes, ponds, and shorelines combined from 1:24,000 scale sources. Attributes include rating of how well a waterbody supports its designated uses as defined by its stream classification.

Entity type definition source:

NC DENR - Division of Water Quality, Water Quality Planning Section

Attribute:

Attribute label: OBJECTID
***Attribute alias:** OBJECTID
Attribute definition:
Internal feature number.
Attribute definition source:
ESRI

***Attribute type:** OID
***Attribute width:** 4
***Attribute precision:** 10
***Attribute scale:** 0

Attribute domain values:
Unrepresentable domain:
Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute label: Shape
***Attribute alias:** Shape
Attribute definition:
Feature geometry.
Attribute definition source:
ESRI

***Attribute type:** Geometry
***Attribute width:** 4
***Attribute precision:** 0
***Attribute scale:** 0

Attribute domain values:
Unrepresentable domain:
Coordinates defining the features.

Attribute:

Attribute label: onemap_pro
***Attribute alias:** ONEMAP_PRO

***Attribute type:** Double
***Attribute width:** 8
***Attribute precision:** 38
***Attribute scale:** 8

Attribute:

Attribute label: PERIMETER
***Attribute alias:** PERIMETER
Attribute definition:
Total perimeter in coverage units
Attribute definition source:
Software computed

***Attribute type:** Double
***Attribute width:** 8
***Attribute precision:** 38
***Attribute scale:** 8

Attribute domain values:

Unrepresentable domain:

Whole numbers that are automatically generated.

Attribute:

Attribute label: HY24KPL_

***Attribute alias:** HY24KPL_

***Attribute type:** Double

***Attribute width:** 8

***Attribute precision:** 38

***Attribute scale:** 8

Attribute:

Attribute label: HY24KPL_ID

***Attribute alias:** HY24KPL_ID

***Attribute type:** Double

***Attribute width:** 8

***Attribute precision:** 38

***Attribute scale:** 8

Attribute:

Attribute label: MAJOR1

***Attribute alias:** MAJOR1

Attribute definition:

DLG standard code for feature

Attribute definition source:

US Geological Survey

***Attribute type:** Double

***Attribute width:** 8

***Attribute precision:** 38

***Attribute scale:** 8

Attribute domain values:

Codeset Ddomain:

Codeset name: Standards for Digital Line Graphs

Codeset source: US Geological Survey, NMD

Attribute measurement frequency:

None planned

Attribute:

Attribute label: MINOR1

***Attribute alias:** MINOR1

Attribute definition:

DLG standard code for feature

Attribute definition source:

US Geological Survey

***Attribute type:** Double

***Attribute width:** 8

***Attribute precision:** 38

***Attribute scale:** 8

Attribute domain values:

Codeset Ddomain:**Codeset name:** Standards for Digital Line Graphs**Codeset source:** US Geological Survey, NMD**Attribute measurement frequency:**

None planned

Attribute:**Attribute label:** MAJOR2***Attribute alias:** MAJOR2**Attribute definition:**

DLG standard code for feature

Attribute definition source:

US Geological Survey

Attribute type:** DoubleAttribute width:** 8***Attribute precision:** 38***Attribute scale:** 8**Attribute domain values:****Codeset Ddomain:****Codeset name:** Standards for Digital Line Graphs**Codeset source:** US Geological Survey, NMD**Attribute measurement frequency:**

None planned

Attribute:**Attribute label:** MINOR2***Attribute alias:** MINOR2**Attribute definition:**

DLG standard code for feature

Attribute definition source:

US Geological Survey

Attribute type:** DoubleAttribute width:** 8***Attribute precision:** 38***Attribute scale:** 8**Attribute domain values:****Codeset Ddomain:****Codeset name:** Standards for Digital Line Graphs**Codeset source:** US Geological Survey, NMD**Attribute measurement frequency:**

None planned

Attribute:**Attribute label:** MAJOR3***Attribute alias:** MAJOR3**Attribute definition:**

DLG standard code for feature

Attribute definition source:

US Geological Survey

***Attribute type:** Double
 ***Attribute width:** 8
 ***Attribute precision:** 38
 ***Attribute scale:** 8

Attribute domain values:

Codeset Ddomain:

Codeset name: Standards for Digital Line Graphs

Codeset source: US Geological Survey, NMD

Attribute measurement frequency:

None planned

Attribute:

Attribute label: MINOR3

***Attribute alias:** MINOR3

Attribute definition:

DLG standard code for feature

Attribute definition source:

US Geological Survey

***Attribute type:** Double
 ***Attribute width:** 8
 ***Attribute precision:** 38
 ***Attribute scale:** 8

Attribute domain values:

Codeset Ddomain:

Codeset name: Standards for Digital Line Graphs

Codeset source: US Geological Survey, NMD

Attribute measurement frequency:

None planned

Attribute:

Attribute label: AUNUMBER

***Attribute alias:** AUNUMBER

Attribute definition:

Assessment Unit number (ex: 9-53-1a) for stream reaches based on data collection. AUNUmbers are a subset of DWQIndex numbers with a letter on the end.

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

***Attribute type:** String
 ***Attribute width:** 25
 ***Attribute precision:** 0
 ***Attribute scale:** 0

Attribute domain values:

Unrepresentable domain:

Classification number used internally

Attribute measurement frequency:

None planned

Attribute:**Attribute label:** AUNAME***Attribute alias:** AUNAME**Attribute definition:**Stream name as listed in DWQ Classification schedules and BIMS
(Basinwide Information Management System)**Attribute definition source:**

NC DENR-Div of Water Quality, Planning Section

Attribute type:** StringAttribute width:** 73***Attribute precision:** 0***Attribute scale:** 0**Attribute domain values:****Unrepresentable domain:**

Names of streams vary in length and number of words.

Attribute measurement frequency:

None planned

Attribute:**Attribute label:** AUDESCRI***Attribute alias:** AUDESCRI**Attribute definition:**

Description of Assessment Unit

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute type:** StringAttribute width:** 149***Attribute precision:** 0***Attribute scale:** 0**Attribute domain values:****Unrepresentable domain:**

varies in length and number of words.

Attribute measurement frequency:

None planned

Attribute:**Attribute label:** AUSUBBAS***Attribute alias:** AUSUBBAS***Attribute type:** String***Attribute width:** 8***Attribute precision:** 0***Attribute scale:** 0**Attribute:****Attribute label:** AULENAREA***Attribute alias:** AULENAREA**Attribute definition:**

Length or area of Assessment Unit in miles or acres

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section (software computed)

***Attribute type:** Double

***Attribute width:** 8

***Attribute precision:** 38

***Attribute scale:** 8

Attribute domain values:**Unrepresentable domain:**

variable by feature

Attribute measurement frequency:

as needed

Attribute:

Attribute label: AUUNIT

***Attribute alias:** AUUNIT

Attribute definition:

waterbody type and units

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

***Attribute type:** String

***Attribute width:** 8

***Attribute precision:** 0

***Attribute scale:** 0

Attribute domain values:**Enumerated domain:**

Enumerated domain value: FW Acres

Enumerated domain value definition:

freshwater acres associated with lakes, ponds, and reservoirs

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:**

Enumerated domain value: FW Miles

Enumerated domain value definition:

freshwater miles associated with streams and rivers

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:**

Enumerated domain value: S Acres

Enumerated domain value definition:

Acres associated with estuarine waters

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:**

Enumerated domain value: S Miles

Enumerated domain value definition:

miles associated with tidal creeks represented by a single line only

Enumerated domain value definition source:
NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: Coast Miles

Enumerated domain value definition:
miles of Atlantic Ocean coastline

Enumerated domain value definition source:
NC DENR-Div of Water Quality, Planning Section

Attribute measurement frequency:

as needed

Attribute:

Attribute label: USEDATE

***Attribute alias:** USEDATE

Attribute definition:

Date of last use support update

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

***Attribute type:** String

***Attribute width:** 9

***Attribute precision:** 0

***Attribute scale:** 0

Attribute domain values:

Unrepresentable domain:

Variable by feature

Attribute measurement frequency:

By river basin schedule

Attribute:

Attribute label: ALRATE

***Attribute alias:** ALRATE

Attribute definition:

Aquatic life category use support rating -- whether aquatic life (benthic macroinvertebrates and fish) can live and reproduce in the waters of the state. This category is applied to all waters of the state except those not indexed or unnamed.

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

***Attribute type:** String

***Attribute width:** 7

***Attribute precision:** 0

***Attribute scale:** 0

Attribute domain values:

Enumerated domain:

Enumerated domain value: F

Enumerated domain value definition:

aquatic life is supported (FS or S)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: S

Enumerated domain value definition:

aquatic life is supported (FS or S)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: PS

Enumerated domain value definition:

aquatic life is impaired (PS, NS or I)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: NS

Enumerated domain value definition:

aquatic life is impaired (PS, NS or I)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: I

Enumerated domain value definition:

aquatic life is impaired (PS, NS or I)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: NR

Enumerated domain value definition:

inconclusive data to make assessment for aquatic life use

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: ND

Enumerated domain value definition:

no data are available to make assessment for aquatic life use

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute measurement frequency:

By river basin schedule

Attribute:

Attribute label: ALBAS
***Attribute alias:** ALBAS

***Attribute type:** String
***Attribute width:** 5
***Attribute precision:** 0
***Attribute scale:** 0

Attribute:

Attribute label: RECRATE
***Attribute alias:** RECRATE
Attribute definition:

Recreation category use support rating -- whether waters of the state meet recreation standards for pathogen indicators. This category is applied to all waters of the state except those not indexed or unnamed.

Attribute definition source:
 NC DENR-Div of Water Quality, Planning Section

***Attribute type:** String
***Attribute width:** 5
***Attribute precision:** 0
***Attribute scale:** 0

Attribute domain values:

Enumerated domain:

Enumerated domain value: F

Enumerated domain value definition:

recreation criteria not exceeded (FS or S)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: S

Enumerated domain value definition:

recreation criteria not exceeded (FS or S)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: PS

Enumerated domain value definition:

recreation criteria exceeded, water impaired (PS, NS or I)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: NS

Enumerated domain value definition:

recreation criteria exceeded, water impaired (PS, NS or I)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:**Enumerated domain value:** I**Enumerated domain value definition:**

recreation criteria exceeded, water impaired (PS, NS or I)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:****Enumerated domain value:** NR**Enumerated domain value definition:**

inconclusive data to make assessment for recreation use

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:****Enumerated domain value:** ND**Enumerated domain value definition:**

no data are available to make assessment for recreation use

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute measurement frequency:

By river basin schedule

Attribute:**Attribute label:** RECBASIS***Attribute alias:** RECBASIS**Attribute definition:**

Rating basis (monitored or evaluated) for all rated streams except ND (no data) streams

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute type:** StringAttribute width:** 6***Attribute precision:** 0***Attribute scale:** 0**Attribute domain values:****Enumerated domain:****Enumerated domain value:** M**Enumerated domain value definition:**

monitored

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:****Enumerated domain value:** E**Enumerated domain value definition:**

evaluated

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute measurement frequency:

By river basin schedule

Attribute:**Attribute label:** FCRATE***Attribute alias:** FCRATE**Attribute definition:**

Fish consumption use support is a human health approach to assess whether humans can safely consume fish from a water. This category is applied to all waters of the state except those not indexed or unnamed.

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute type:** StringAttribute width:** 5***Attribute precision:** 0***Attribute scale:** 0**Attribute domain values:****Enumerated domain:****Enumerated domain value:** F**Enumerated domain value definition:**

no advice or advisory indicated for segment (FS or S)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:****Enumerated domain value:** S**Enumerated domain value definition:**

no advice or advisory indicated for segment (FS or S)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:****Enumerated domain value:** PS**Enumerated domain value definition:**

advice or advisory indicated for segment - impaired (PS, NS or I)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:****Enumerated domain value:** NS**Enumerated domain value definition:**

advice or advisory indicated for segment - impaired (PS, NS or I)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:****Enumerated domain value:** I**Enumerated domain value definition:**

advice or advisory indicated for segment - impaired (PS, NS or I)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: NR

Enumerated domain value definition:

inconclusive data to make assessment for fish consumption use

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: ND

Enumerated domain value definition:

no data are available to make assessment for fish consumption use

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute measurement frequency:

By river basin schedule

Attribute:

Attribute label: FCBASIS

***Attribute alias:** FCBASIS

Attribute definition:

Rating basis (monitored or evaluated) for all rated streams except ND (no data) stream

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

***Attribute type:** String

***Attribute width:** 5

***Attribute precision:** 0

***Attribute scale:** 0

Attribute domain values:

Enumerated domain:

Enumerated domain value: M

Enumerated domain value definition:

monitored

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: E

Enumerated domain value definition:

evaluated

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute measurement frequency:

By river basin schedule

Attribute:

Attribute label: SHRATE

***Attribute alias:** SHRATE

Attribute definition:

Shellfish harvesting use support is a human health approach to assess whether shellfish can be commercially harvested and therefore is applied only to Class SA waters.

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

***Attribute type:** String

***Attribute width:** 5

***Attribute precision:** 0

***Attribute scale:** 0

Attribute domain values:

Enumerated domain:

Enumerated domain value: F

Enumerated domain value definition:

water is approved for shellfish harvesting (FS or S)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: S

Enumerated domain value definition:

water is approved for shellfish harvesting (FS or S)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: PS

Enumerated domain value definition:

water is not approved for shellfish harvesting - impaired (PS, NS or I)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: NS

Enumerated domain value definition:

water is not approved for shellfish harvesting - impaired (PS, NS or I)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: I

Enumerated domain value definition:

water is not approved for shellfish harvesting - impaired (PS,

NS or I)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute measurement frequency:

By river basin schedule

Attribute:

Attribute label: SHBASIS

***Attribute alias:** SHBASIS

Attribute definition:

Rating basis (monitored or evaluated) for all rated streams

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

***Attribute type:** String

***Attribute width:** 5

***Attribute precision:** 0

***Attribute scale:** 0

Attribute domain values:

Enumerated domain:

Enumerated domain value: M

Enumerated domain value definition:

monitored

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: M

Enumerated domain value definition:

evaluated

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute measurement frequency:

By river basin schedule

Attribute:

Attribute label: WSRATE

***Attribute alias:** WSRATE

Attribute definition:

Water Supply use support is a human health approach to assess whether a water can be used for water supply purposes. This category is applied to Class WS waters.

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

***Attribute type:** String

***Attribute width:** 7

***Attribute precision:** 0

***Attribute scale:** 0

Attribute domain values:

Enumerated domain:

Enumerated domain value: F

Enumerated domain value definition:

water supplier able to supply potable water (FS or S)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: S

Enumerated domain value definition:

water supplier able to supply potable water (FS or S)

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute measurement frequency:

By river basin schedule

Attribute:

Attribute label: WSBASIS

***Attribute alias:** WSBASIS

Attribute definition:

Rating basis (monitored or evaluated) for all rated streams except ND (no data) stream

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

***Attribute type:** String

***Attribute width:** 6

***Attribute precision:** 0

***Attribute scale:** 0

Attribute domain values:

Enumerated domain:

Enumerated domain value: M

Enumerated domain value definition:

monitored

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: E

Enumerated domain value definition:

evaluated

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute measurement frequency:

By river basin schedule

Attribute:

Attribute label: DWQINDEX

***Attribute alias:** DWQINDEX

Attribute definition:

DWQ stream classification index number (ex: 9-53-1)

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

***Attribute type:** String
 ***Attribute width:** 18
 ***Attribute precision:** 0
 ***Attribute scale:** 0

Attribute domain values:**Unrepresentable domain:**

Classification number used internally

Attribute measurement frequency:

None planned

Attribute:

Attribute label: DWQNAME

***Attribute alias:** DWQNAME

Attribute definition:

Stream name as listed in DWQ Classification schedules and BIMs

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

***Attribute type:** String
 ***Attribute width:** 73
 ***Attribute precision:** 0
 ***Attribute scale:** 0

Attribute domain values:**Unrepresentable domain:**

Classification number used internally

Attribute measurement frequency:

None planned

Attribute:

Attribute label: DWQDESCR

***Attribute alias:** DWQDESCR

Attribute definition:

Description of Indexed segment

Attribute definition source:

NC DENR-Div. Of Water Quality, Planning Section

***Attribute type:** String
 ***Attribute width:** 149
 ***Attribute precision:** 0
 ***Attribute scale:** 0

Attribute domain values:**Unrepresentable domain:**

Varies in length and number of words

Attribute measurement frequency:

None planned

Attribute:

Attribute label: DWQCLASS

***Attribute alias:** DWQCLASS

Attribute definition:

DWQ stream classification (ex: WS-III)

Attribute definition source:

NC DENR-Div of Water Quality, Water Quality Section

***Attribute type:** String

***Attribute width:** 17

***Attribute precision:** 0

***Attribute scale:** 0

Attribute domain values:

Enumerated domain:

Enumerated domain value: WS-I

Enumerated domain value definition:

Waters protected as water supplies which are in natural and undeveloped watersheds

Enumerated domain value definition source:

NC DENR-Div of Water Quality,
Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: WS-II

Enumerated domain value definition:

Waters protected as water supplies which are generally in predominantly undeveloped watersheds

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: WS-III

Enumerated domain value definition:

Waters protected as water supplies which are generally in low to moderately developed watersheds

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: WS-IV

Enumerated domain value definition:

Waters protected as water supplies which are generally in moderately to highly developed watersheds

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:

Enumerated domain value: WS-V

Enumerated domain value definition:

Waters protected as water supplies which are generally upstream and draining to Class WS-IV waters

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:****Enumerated domain value:** B**Enumerated domain value definition:**

Primary recreation and any other usage specified by the "C" classification

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:****Enumerated domain value:** C**Enumerated domain value definition:**

Aquatic life propagation and survival, fishing, wildlife, secondary recreation, and agriculture

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:****Enumerated domain value:** SA**Enumerated domain value definition:**

Shellfishing for market purposes and any other usage specified by the "SB" and "SC" classification

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:****Enumerated domain value:** SB**Enumerated domain value definition:**

Primary recreation and any other usage specified by the "SC" classification

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:****Enumerated domain value:** SC**Enumerated domain value definition:**

Aquatic life propagation and survival, fishing, wildlife, and secondary recreation

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:****Enumerated domain value:** Tr**Enumerated domain value definition:**

Suitable for natural trout propagation and maintenance of stocked trout

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:

Enumerated domain:**Enumerated domain value:** Sw**Enumerated domain value definition:**

Waters which have low velocities and other natural characteristics which are different from adjacent streams

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:****Enumerated domain value:** HQW**Enumerated domain value definition:**

High Quality Waters which are waters that are rated as excellent based on biological and physical/chemical characteristics through division monitoring or special studies; native and special native trout waters (and their tributaries) designated by the Wildlife Resources Commission; primary nursery areas (PNA) designated by the Marine Fisheries Commission and other functional nursery areas designated by the Wildlife Resources Commission; critical habitat areas designated by the Wildlife Resources Commission or the Department of Agriculture; all water supply watersheds which are either classified as WS-I or WS-II or those for which a formal petition for reclassification as WS-I or WS-II has been received from the appropriate local government and accepted by the Division of Water Quality; and all Class SA waters.

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute domain values:**Enumerated domain:****Enumerated domain value:** NSW**Enumerated domain value definition:**

Nutrient Sensitive Waters which require limitations on nutrient inputs

Enumerated domain value definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute:**Attribute label:** CLASSDATE***Attribute alias:** CLASSDATE**Attribute definition:**

Date of last feature classification update

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

Attribute type:** StringAttribute width:** 9***Attribute precision:** 0***Attribute scale:** 0**Attribute domain values:****Unrepresentable domain:**

Variable by feature

Attribute measurement frequency:

As needed

Attribute:

Attribute label: BASIN

***Attribute alias:** BASIN

Attribute definition:

River Basin where feature is located

Attribute definition source:

NC DENR-Div of Water Quality, Planning Section

***Attribute type:** String

***Attribute width:** 7

***Attribute precision:** 0

***Attribute scale:** 0

Attribute domain values:

Unrepresentable domain:

Variable by basin

Attribute measurement frequency:

None planned

Attribute:

Attribute label: UPDATE_

***Attribute alias:** UPDATE_

***Attribute type:** String

***Attribute width:** 9

***Attribute precision:** 0

***Attribute scale:** 0

Attribute:

Attribute label: PRIM_NAME

***Attribute alias:** PRIM_NAME

Attribute definition:

Primary Name added by NCDOT for use in labeling.

Attribute definition source:

NCDOT GIS Unit

***Attribute type:** String

***Attribute width:** 100

***Attribute precision:** 0

***Attribute scale:** 0

Attribute:

Attribute label: SECON_NAME

***Attribute alias:** SECON_NAME

Attribute definition:

Secondary Name added by NCDOT for use in labeling.

Attribute definition source:

NCDOT GIS Unit

***Attribute type:** String

***Attribute width:** 100
***Attribute precision:** 0
***Attribute scale:** 0

Attribute:

Attribute label: THIRD_NAME
***Attribute alias:** THIRD_NAME
Attribute definition:
Third Name added by NCDOT for use in labeling.
Attribute definition source:
NCDOT GIS Unit

***Attribute type:** String
***Attribute width:** 100
***Attribute precision:** 0
***Attribute scale:** 0

Attribute:

***Attribute label:** SHAPE.AREA
***Attribute alias:** SHAPE.AREA

***Attribute type:** Double
***Attribute width:** 0
***Attribute precision:** 0
***Attribute scale:** 0

Attribute:

***Attribute label:** SHAPE.LEN
***Attribute alias:** SHAPE.LEN

***Attribute type:** Double
***Attribute width:** 0
***Attribute precision:** 0
***Attribute scale:** 0

Overview description:

Entity and attribute overview:

A polygon shapefile depicting surface waters consisting of streams and rivers, lakes, ponds, reservoirs, and shorelines.

Entity and attribute detail citation:

Refer to source agency for published stream classification documents and use support methodology.

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Distribution Information:

Distributor:

Contact information:

Contact organization primary:

Contact organization: NC Center for Geographic Information and Analysis

Contact position: Production Services

Contact address:**Address type:** Mailing address**Address:**

20322 Mail Service Center

City: Raleigh**State or province:** North Carolina**Postal code:** 27699-0322**Country:** USA**Contact address:****Address type:** Physical address**Address:**

301 N. Wilmington Street, Suite 700

City: Raleigh**State or province:** North Carolina**Postal code:** 27601**Country:** USA**Contact voice telephone:** 919.733.2090**Contact facsimile telephone:** 919.715.0725**Contact electronic mail address:** dataq@ncmail.net**Hours of service:** 8:30 AM - 5:30 PM, Monday - Friday**Contact instructions:**

Contact by phone and email preferred

Resource description: Hydrography (1:24,000)**Distribution liability:**

NCCGIA is charged with the development and maintenance of the Nc OneMap database and, in cooperation with other mapping organizations, is committed to offering its users accurate, useful, and current information about the state. Although every effort has been made to ensure the accuracy of information, errors and conditions originating from physical sources used to develop the NC OneMap Database may be reflected in the data supplied. The client must be aware of data conditions and bear responsibility for the appropriate use of the information with respect to possible errors, original map scale, collection methodology, currency of data, and other conditions specific to certain data. NCCGIA does not support secondary distribution of this dataset. The use of trade names or commercial products does not constitute their endorsement by the NCCGIA or North Carolina State Government.

Standard order process:**Digital form:****Digital transfer information:****Format name:** ESRI shapefile (*.shp)**Digital transfer option:****Online option:****Computer contact information:****Network address:****Network resource name:** [NC OneMap](#)**Fees:** None. Download from www.nconemap.com is free of charge.

Custom order process:

Data can be customized on a cost-recovery basis. Contact dataq@ncmail.net or 919-733-2090 for more information.

Technical prerequisites:

All formats available from www.nconemap.com are in ESRI shapefile. Other formats are available on a cost-recovery basis - contact dataq@ncmail.net or 919.733.2090 for more information. Format compatibility is the user's responsibility.

Available time period:**Time period information:****Range of dates/times:**

Beginning date: 19980301

Ending date: Present

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Metadata Reference Information:

***Metadata date:** 20101105

***Language of metadata:** en

Metadata contact:**Contact information:****Contact organization primary:**

Contact person: Data Distribution

Contact organization: North Carolina Center for Geographic Information and Analysis

Contact position: Data Distribution

Contact address:

Address type: Mailing address

Address:

20322 Mail Service Center

City: Raleigh

State or province: North Carolina

Postal code: 27699-0322

Country: USA

Contact address:

Address type: Physical address

Address:

301 N. Wilmington Street, Suite 700

City: Raleigh

State or province: North Carolina

Postal code: 27601

Country: USA

Contact voice telephone: 919.733.2090

Contact facsimile telephone: 919-715.0725

Contact electronic mail address: dataq@ncmail.net

Hours of service: 8:30AM - 5:30PM, Monday - Friday

Contact instructions:

Contact by phone and email preferred

***Metadata standard name:** FGDC Content Standards for Digital Geospatial Metadata

***Metadata standard version:** FGDC-STD-001-1998

***Metadata time convention:** local time

Metadata access constraints: None

Metadata use constraints:

This metadata file is to accompany the dataset. NCCGIA does not support secondary distribution of this dataset without its current, compliant metadata record. If the dataset described in this metadata record was received from anyone besides NCCGIA, this metadata and the dataset it describes may contain discrepancies.

Metadata extensions:

Online linkage: <http://www.esri.com/metadata/esriprof80.html>

Profile name: ESRI Metadata Profile

Metadata extensions:

***Online linkage:** <http://www.esri.com/metadata/esriprof80.html>

***Profile name:** ESRI Metadata Profile

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