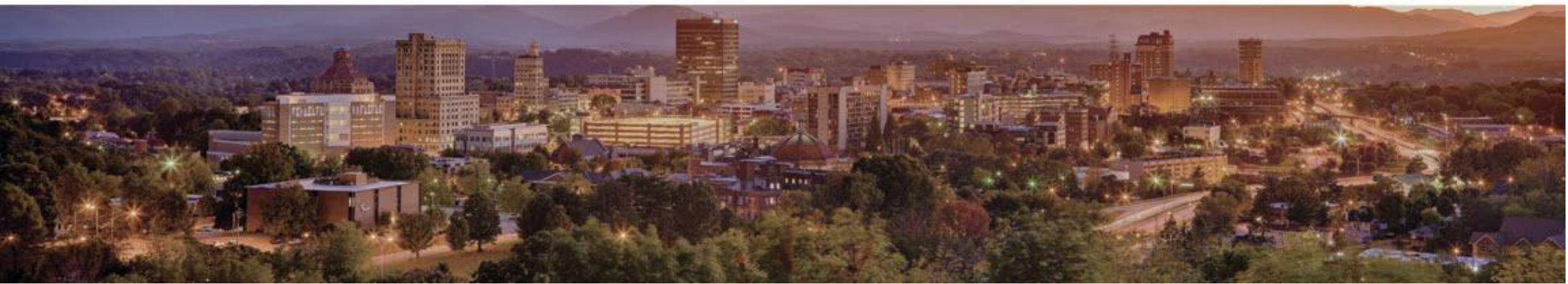




November 1, 2017

NC DEQ's New GIS Open Data Site



Background

- Where do I find NC GIS data?
 - NC OneMap
- Issues
 - Difficulty updating
 - Duplicate datasets
 - Limited staff time
- Is this the right dataset?

The screenshot displays the NC GeoSpatial Portal website. At the top, the logo for NC OneMap is visible, along with navigation links for Help, About, and NC OneMap. Below the logo, there is a horizontal menu with options: HOME, SEARCH, BROWSE, DOWNLOAD IMAGERY, and LAUNCH MAP VIEWER. The main content area is titled "Home" and features a search bar with the text "APNEP" and a "Search" button. To the right, there is a section titled "Most Recently Added/Updated Resources..." which lists several datasets: NCDOT Functional Classification Road Segments, Windpower Potential, Conserving Working Forest Lands, 2012 Integrated Reporting Water Quality Assessments, and Maintaining Viable Urban Forests. Below this list, there are API options: GEORSS, ATOM, HTML, FRAGMENT, KML, JSON, and CSV. In the center, there is a "Tutorial Videos" section showing a video player with a "Raster Manager" window. The video player has a menu bar with File, Edit, View, Display, Settings, and Utilities. The main area of the video player shows a table with columns for File Name and Description. The first row in the table is "wmsOrthoimageryLatestNCOneMap...". Below the video player, there is a caption that reads "Use WMS Services in Microstation".

NC DEQ's GIS Open Data Site

- What's available?
 - Data layer & Map Applications
 - Surface water classifications
 - Nutrient Management areas
 - Shellfish harvesting areas
 - DEQ permits
- How does it work?

The screenshot shows the homepage of the NC Dept. of Environmental Quality Online GIS. At the top, there is a blue header with the NC logo and the text "NC Dept. of Environmental Quality Online GIS" and a user profile "Melanie". Below the header is a large map of North Carolina with the title "NC Dept. of Environmental Quality Online GIS" and the subtitle "Explore North Carolina's Environment". There are two search bars: "Search for Data/Maps" and "Search by Location". Below the map is a dark blue banner with white text: "This is the NC Department of Environmental Quality's public platform for exploring and downloading open data, discovering apps, and engaging to solve data issues. You can share ideas with others, flag your favorite datasets for later use, and communicate with data developers to improve data and apps for all North Carolinians." Below this banner is a section titled "Explore Data Topics" with eight icons representing different data categories: Air (sun and clouds), Water (water drop), Land (mountains), Boundaries (map outline), Regulatory (folder), Monitoring (red location pin), Recovery, Restoration, Remediation (hand holding a plant), and Education / Outreach (bell). At the bottom, there is a section titled "Explore Division / Program Data" with four icons representing different divisions or programs.

Multiple Search Methods

NC Dept. of Environmental Quality Online GIS

Melanie

Explore Data Topics

- Air
- Water
- Land
- Boundaries
- Regulatory
- Monitoring
- Recovery, Restoration, Remediation
- Education / Outreach

Explore Division / Program Data

- Air Quality
- Albemarle-Pamlico National Estuary Partnership
- Coastal Management
- Energy, Mining, and Land Resources
- Environmental Education
- Marine Fisheries
- Mitigation Services
- Water Infrastructure
- Waste Management
- Water Resources

Applications

Apps provide simple access to information and tools for citizens to understand NC DEQ Data. Explore the apps below to find beach or waterfront access near you, surface water stream classification, Regional Office contact information, or the name of your watershed.

NC Dept. of Environmental Quality Online GIS

Find

Melanie

Filter By

Tags

- Water (40)
- Nc (27)
- Deq (18)
- Education (18)
- River (15)

Source

NC Dept. of Environmental Quality (14)

Content Type

- web mapping application (27)
- spatial dataset (13)

11 - 20 of 40 results

Water Supply Watersheds

Shared by melaniewilliams

The organization that shared this dataset did not provide a license.

No license specified 1/26/2017 Web Mapping

New River Basin

Shared by Idtolley

This story map serves as an educational tool for learning about North Carolina's New River Basin. Information is taken from the New River Basin brochure, published by the NC Office of Environmental Education. These print brochures are available at no cost through the office's website at <http://www.eenorthcarolina.org/riverbasins.html>

Custom License 1/18/2017 Web Mapping Application

Yadkin-Pee Dee River Basin

Shared by Idtolley

This story map serves as an educational tool for learning about North Carolina's Yadkin-Pee Dee River Basin. Information is taken from the Yadkin-Pee Dee River Basin brochure, published by the NC Office of Environmental Education. These print brochures are available at no cost through the office's website

Custom License 1/18/2017 Web Mapping Application

DWR 10-Digit HUC Watersheds

Shared by mmwilliams_ncdenr

This data contains all 10-Digit HUCs cut to the NC state boundary. The data was uploaded from the DWR L Drive on 12/22/2014. Cam McNutt originally uploaded the data to the L Drive. This service is intended to be used by anyone who may need to show 10-Digit Watershed on their maps. Attributes Include: 10-digit HUC Number HUC

Custom License 10/30/2017 Spatial Dataset 360 Rows

2014 IR Overall Cat.

Shared by mmwilliams_ncdenr

This layer contains the EPA approved final overall Integrated Report or 305(b) list category for all named streams in North Carolina. This data was originally developed by Cam McNutt and uploaded 2/12/2015. The purpose of this layer is to show the overall IR category and basic stream information as related to Assessment Units. Individual

Custom License 10/30/2017 Spatial Dataset 13,341 Rows

2014 Ambient Data

Shared by melaniewilliams

This map shows all DMR ambient monitoring stations. Click on a station icon for a summary of the data collected

Box & arrow indicate a interactive map

Exploring the Data

NC Dept. of Environmental Quality Online GIS

Find [] My Data Melanie

Filter By

Tags

- Water (40)
- Nc (27)
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Source

- NC Dept. of Environmental Quality (14)

Content Type

- web mapping application (27)
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11 - 20 of 40 results

Relevance

Water Supply Watersheds
Shared by melaniewilliams
No license specified | 1/26/2017 | Web Mapping Application

New River Basin
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Custom License | 10/30/2017 | Spatial Dataset | 360 Rows

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Custom License | 10/30/2017 | Spatial Dataset | 15,341 Rows

2014 Ambient Data
Shared by melaniewilliams

NC Dept. of Environmental Quality Online GIS

Find [] My Data Melanie

Overview Data Atlanta Athens Columbia

DWR 10-Digit HUC Watersheds

Custom License | 10/30/2017 | Spatial Dataset | 360 Rows

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More

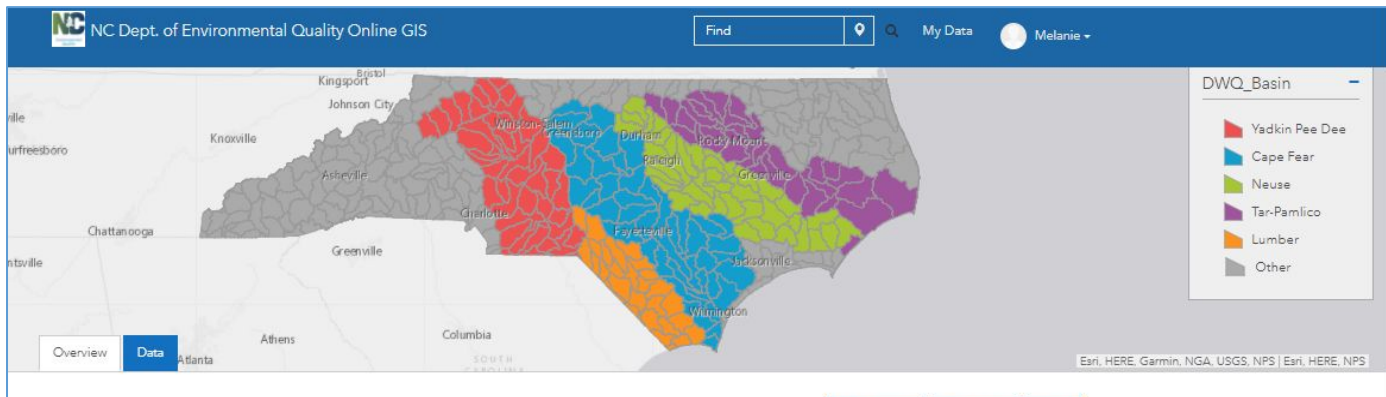
Attributes

Chart • Map Visualization

DWQ_Basin	HU_10_NAME	HUC_10	N_Rows	SHOW MORE
Text	Text	Text	Number	1 Attribute

Related Data

- 12-Digit HUC Subwatersheds**
This data contains all 12-Digit HUCs cut to the NC state boundary. The data was uploaded from the DWR L Drive on 12/22/2014. Cam McNutt originally uploaded the data to the L Drive and
Spatial Dataset
- 8-Digit HUC Subbasins**
This data contains all 8-Digit HUCs cut to the NC state boundary. The data was uploaded on 12/22/2014 and originates from the ESDS website. This service is intended to be use by anyone who
Spatial Dataset
- Major Basins**
The major river basin lines in NC are drawn based on the nationally recognized hydrologic unit codes (8-digit). Some basins have been split apart due to nonusable watershed
Spatial Dataset



Exploring the Data

DWR 10-Digit HUC Watersheds

Custom License | 10/30/2017 | Spatial Dataset | 360 Rows

This data contains all 10-Digit HUCs cut to the NC state boundary. The data was uploaded from the DWR L Drive on 12/22/2014. Cam McNutt originally uploaded the data to the L Drive. This service is intended to be use by anyone who may need to shi

Count of DWQ_Basin

Attribute

Chart • Map

Related Data

8-Digit HUC Subbasins

This data contains all 8-Digit HUCs cut to the NC state boundary. The data was uploaded on 12/22/2014 and originates from the HUCS website. This service is intended to be use by anyone who

Major Basins

The major river basin lines in NC are drawn based on the nationally recognized hydrologic unit codes (8-digits). Some basins have been split into two basins to better represent the

DWR 10-Digit HUC Watersheds

Showing 1 to 10 of 25 DWQ_Basin: Catawba

FID	HUC_10	HU_10_NAME	DWQ_Basin	N_Rows
75	0305010101	Headwaters Catawba River	Catawba	6
83	0305010102	North Fork Catawba River	Catawba	2
86	0305010103	Linville River-Lake James	Catawba	3
89	0305010104	Warrior Fork-Catawba River	Catawba	3
91	0305010105	Johns River	Catawba	6
95	0305010106	Silver Creek-Catawba River	Catawba	8
98	0305010107	Lower Creek	Catawba	3
103	0305010108	Rhodias Lake-Catawba River	Catawba	4
106	0305010109	Lake Hickory-Catawba River	Catawba	4
107	0305010110	Lookout Shoals Lake-Catawba River	Catawba	5



Download

DWR 10-Digit HUC Watersheds

Showing 1 to 10 of 25

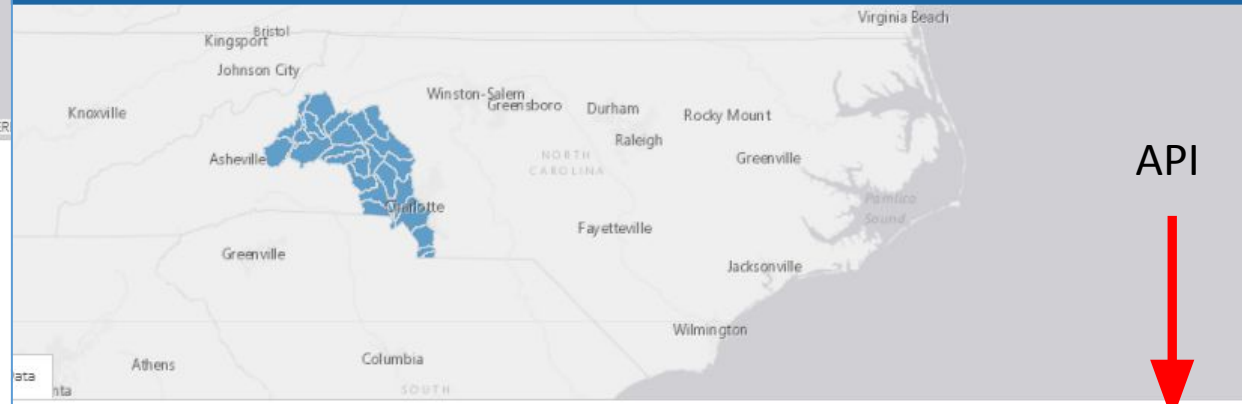
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106	0305010109	Lake Hickory-Catawba River	Catawba
107	0305010110	Lookout Shoals Lake-Catawba River	Catawba

Favorite Download APIs

- Full Dataset
- Spreadsheet
- KML
- Shapefile
- Filtered Dataset
- Spreadsheet
- KML
- Shapefile
- Additional Resources
- File Geodatabase

Obtaining Data



API

Digit HUC Watersheds

Showing 1 to 10 of 25

DWQ_Basin: catawba

HUC_10	HU_10_NAME	DWQ_Basin	
0305010101	Headwaters Catawba River	Catawba	
0305010102	North Fork Catawba River	Catawba	
0305010103	Linville River-Lake James	Catawba	
0305010104	Warrior Fork-Catawba River	Catawba	
0305010105	Johns River	Catawba	
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106	0305010109	Lake Hickory-Catawba River	Catawba
107	0305010110	Lookout Shoals Lake-Catawba River	Catawba

Favorite Download APIs

- Full Dataset
- GeoService
- https://services2.arcgis.com/kCu40
- GeoJSON
- https://opendata.arcgis.com/datas
- Filtered Dataset
- GeoService
- https://services2.arcgis.com/kCu40
- GeoJSON
- https://opendata.arcgis.com/datas


Moving Forward


- Will continue to evolve
- Find us on NC OneMap (coming soon)
- Need your FEEDBACK!

Find Out More

Open Data is best used in coordination between citizens, businesses, and government. Click the link to sign up for our list serve that will keep you informed about new or updated datasets or recently published applications.

[Click for List Serve Sign up](#)






Share knowledge and insights.

Make a Suggestion

We would love to hear how you would like to interact with DEQ data. Share your knowledge about how our data are being used by you and your community. Our goal is to build a cohesive collaboration to solve your more important initiatives.

[Share your ideas here!](#)

Contact Information

 [Send us feedback or ask a question.](#)

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