WEB-BASED MAPPING & GIS TOOLS

- Increasingly available
- Provide easily accessible mapping tools for:
  - Planning studies
  - Preparing maps to depict sampling sites
  - Conducting analysis of data
  - Presenting final results
GENERAL TYPES OF MAPS USED FOR ENVIRONMENTAL MONITORING

• Locational
• Census
• Topographical
• Hydrographical
• Survey:
  – Land/Property
  – Soil
  – Hydrogeological
• GIS
ENVIROMAPPER FOR ENVIROFACTS

- **Website:** http://www2.epa.gov/emeefdata/em4ef.home
- **Publisher:** U.S. Environmental Protection Agency
MY ENVIRONMENT – MY MAPS

• Website: http://www3.epa.gov/enviro/myenviro/
• Publisher: U.S. Environmental Protection Agency
MY WATERS MAPPER

- **Website:** [http://watersgeo.epa.gov/mwm/](http://watersgeo.epa.gov/mwm/)
- **Publisher:** U.S. Environmental Protection Agency
HOW’S MY WATERWAY

- **Website**: [http://watersgeo.epa.gov/mywaterway/](http://watersgeo.epa.gov/mywaterway/)
- **Publisher**: U.S. Environmental Protection Agency
NITROGEN & PHOSPHOROUS POLLUTION DATA ACCESS TOOL (NPDAT)

- **Website:** [http://gispub2.epa.gov/npdat/](http://gispub2.epa.gov/npdat/)
- **Publisher:** U.S. Environmental Protection Agency
NATIONAL WATER INFORMATION SYSTEM (NWIS) MAPPER

- **Website:** [http://maps.waterdata.usgs.gov/mapper/index.html](http://maps.waterdata.usgs.gov/mapper/index.html)
- **Publisher:** United States Geological Survey (USGS)
THE NATIONAL MAP (TNM) VIEWER

- Website: [http://viewer.nationalmap.gov/viewer/](http://viewer.nationalmap.gov/viewer/)
- Publisher: United States Geological Survey (USGS)
WATER RESOURCES OF NC

- **Website:** [http://nc.water.usgs.gov/](http://nc.water.usgs.gov/)
- **Publisher:** United States Geological Survey (USGS)

**Water Resources of North Carolina**

- **Current Data**
  - **Current Streamflow**

- **Current Rainfall**
  - 1-, 2-, 3-, 6-, 12-, and 24-hour and 2- and 7-day rainfall data

- **Real-time Data**
  - Latest data for surface water, groundwater, water quality, and precipitation gages
ADVANCED HYDROLOGIC PREDICTION SERVICE (AHPS)

- **Website:** [http://water.weather.gov/ahps/](http://water.weather.gov/ahps/)
- **Publisher:** National Weather Service: NOAA

![Map of USGS stations and precipitation data](image)
THE COASTAL CHANGE ANALYSIS PROGRAM (C-CAP) LAND COVER ATLAS

- Website: https://coast.noaa.gov/ccapatlas/
- Publisher: National Oceanic & Atmospheric Administration (NOAA)
CLIMATE WIZARD

- **Website:** [https://climatewizard.org](https://climatewizard.org)
- **Publisher:** The Nature Conservancy, the University of Washington, and the University of Southern Mississippi
NATIONAL RENEWABLE ENERGY LABS (NREL) MAPS

• Website: http://www.nrel.gov/gis/mapsearch/
• Publisher: National Renewable Energy Laboratory
WEB SOIL SURVEY

- **Website:** [http://websoilsurvey.nrcs.usda.gov/app/](http://websoilsurvey.nrcs.usda.gov/app/)
- **Publisher:** U.S. Department of Agriculture
U.S. CENSUS MAPPER

- **Website:** [http://datamapper.geo.census.gov/map.html](http://datamapper.geo.census.gov/map.html)
- **Publisher:** U.S. Census Bureau
NEW HANOVER COUNTY GIS PORTAL

- **Website:** [http://maps.nhcgov.com/](http://maps.nhcgov.com/)
- **Publisher:** New Hanover County - NC