

GIS Resources

Many people have commented during the Wildlife Action Plan (WAP) Regional Workshops that they use GIS data to help inform their conservation decisions. This list is being provided to assist you with finding free GIS data available on the internet. If your organization has GIS data that is available through a free internet download and you would allow me to add it to this list, please contact me by email to cindy.carr@ncwildlife.org.

- One North Carolina Naturally - Conservation Planning Tool for NC: biodiversity and wildlife habitat assessment, open space and conservation lands, Ag lands threat & viability assessment, water services assessment, important forestlands assessment, threatened forestlands assessment.
 - <http://www.conservision-nc.net>

- Green Growth Toolbox – Statewide map, Natural Heritage data, streams, managed lands, wetlands, biodiversity and wildlife habitat assessment, important watersheds, floodplains. Supplemental Data: Triangle Region (Johnston, Wake, Durham, Chatham, and Orange counties). Greater Uwharries Region (Anson, Richmond, Montgomery, Stanly, Cabarrus, Iredell, Davie, Davidson, and Randolph counties). Sandhills Region (Montgomery, Moore, Lee, Harnett, Cumberland, Hoke, Scotland, and Richmond counties). Coastal Region (from Columbus to Northampton counties and all counties to the east). Mountain Region (Buncombe, Henderson, Madison, and Transylvania counties).
 - http://www.ncwildlife.org/GreenGrowth/Conservation_Data.htm

- NC One Map: statewide shapefile data from several state agencies and digital orthophoto quarter-quads for most counties.
 - <http://www.nconemap.com/Default.aspx?tabid=286>

- North Carolina Digital Collections: a link to 124 county and municipal GIS departments for parcel and local information data or interactive GIS mapping tools. This link was created using Tiny URL.
 - <http://xr.com/wkuc>

- North Carolina Department of Transportation: statewide data for roads, B&W and color aeriels, contours and elevations (LIDAR), topo maps, and FEMA flood data.
 - <http://www.ncdot.org/it/gis/DataDistribution>

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- NC Stream Mapping Project: Catawba, Lower Little TN/Upper Little TN/Tugaloo, Nolichucky/Watauga, Pigeon, Seneca, Tuckasegee, Upper Broad, Upper French Broad, and Upper New/Upper Yadkin river basins only.
 - <http://www.ncstreams.org/DataAccess/tabid/257/Default.aspx>
- NC GAP Analysis Project: Geo-data server.
 - <http://www.basic.ncsu.edu/ngap/>
- NC Division of Coastal Management: Maps & Spatial Data
 - <http://dcm2.enr.state.nc.us/Maps/mapsdata.htm>
- Data Basin: Marine Protected Areas (MPA) inventory database (as of March 2010). this link was created using Tiny URL.
 - <http://xr.com/0ab0>
- NOAA Coastal Services Center: Southeast land cover analysis. Includes data for NC, SC, GA, and FL. Also has a link to other regional data that is available.
 - <http://www.csc.noaa.gov/crs/lca/southeast.html>
- US Fish & Wildlife Service National GIS datasets: national datasets on coastal barrier resources system (CBRS), critical habitat, ecosystem regions, LCC boundaries, migratory bird conservation, North American bird conservation joint ventures, National Wetlands Inventory (NWI), national wildlife refuge system boundary, roads, and trail data.
 - <http://www.fws.gov/GIS/data/national/index.htm>
- North American - National Atlas: national datasets for agriculture, biology, boundaries, climate, environment, geology, water, other data. The biology datasets may be of particular interest - for example, the bat ranges data set shows where 45 bat species are found (including NC).
 - <http://www.nationalatlas.gov/atlasftp.html#ecoregp>
- The Penn State Institutes of Energy and the Environment & USGS: fisheries and aquatic resources data for Eastern Brook Trout Joint Venture. This link was created using Tiny URL.
 - <http://xr.com/uu37>

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- USGS: high resolution National Hydrography Dataset (NHD) for NC (and other states). Two links provided.
 - <ftp://nhdftp.usgs.gov/DataSets/Staged/States/FileGDB/HighResolution/>
 - <http://nhd.usgs.gov/data.html>
- USEPA: Ecoregions of North Carolina shapfile
 - <ftp://ftp.epa.gov/wed/ecoregions/nc>
- North Carolina Geographic Information Coordinating Council: PDF lists of GIS contacts in NC by county, city, state, region, and federal entities.
 - <http://www.ncgicc.org/GISinNC/tabid/437/Default.aspx>