

GIS Data Sources –

I've included files I find useful – you may find many more files at these sites that will help you. Your mileage may vary.

1. USDA - <http://datagateway.nrcs.usda.gov/>

1.1. Raster

Product	Type	Source	Size	For	Projection	Res	Notes
DRG	Topo map	USGS	Co. Mosaic	SID	UTM NAD 83	3m	Quadrangle topo
DOQ	Air photo	APFO	Co. Mosaic	SID	UTM NAD 83	1m	B/W or color inferred
DOQ	Air photo	NRCS	Co. Mosaic	SID	UTM NAD 83	1m	B/W or color inferred
DOQ	Air photo	Terraserver	Quad tile	SID	UTM NAD 83	1m	B/W
NAIP 06	Air photo	USDA	Co. Mosaic	SID	UTM NAD 83	1m	Color

1.2. Vector Files

Product	For	Projection	Description	Notes
Quadrangle Index	SHP	UTM NAD 83	Index of Quad map name and number	1:24,000
National Ele.Data Set	DEM	UTM NAD 83	Used for 3D Mapping	10 Meter
Soils	SHP	UTM NAD 83	Various Soil Maps from NRCS	
Climate	SHP	UTM NAD 83	Temperature and Precipitation Data	

2. Geo Community <http://data.geocomm.com>

2.1. Raster

Product	Type	Source	Size	For	Projection	Res	Notes
DRG	Topo map	USGS	Quad tile	TIF	UTM NAD ?	3m	\$, Quad topo
DOM 98	Air photo	NC DOT	Co. Mosaic	SID	State Plane NAD 83	1m	\$, color inferred
DOQQ	Air photo	USGS	¼ Quad tile	SID	UTM NAD 83	1m	\$, Color inferred
DOQ 93	Air photo	USGS	Co. Mosaic	SID	State Plane NAD ?	1m	? B/W

1.1. Vector Files

Product	For	Projection	Description	Notes
Quadrangle Index	SHP	UTM NAD 83	Index of Quad map name and number	1:24,000
DEM	SDTS	UTM NAD 83	Used for 3D Mapping	10 meter
Flood Mapping	various	?	FEMA	\$, Convert

3. NCDOT <http://www.ncdot.org/it/gis/DataDistribution/default.html>

3.1. Raster

Product	Type	Source	Size	For	Projection	Res	Notes
DRG	Topo map	USGS	Co. or tile	SID	State Plane 83	3m	Quadrangle topo
DOQ 98	Air photo	NC DOT	Co. or tile	SID	State Plane 83	1m	color inferred
DOQ 93	Air photo	NRCS	Co. Mosaic	SID	State Plane 83	1m	B/W or color inferred

3.2. Vector Files

Product	For	Projection	Description	Notes
Roads	SHP	ST Plane NAD 83	Road centers - By State, Division, or County	
County and State Line	SHP	ST Plane NAD 83	County and State Boundaries	
Bridges, Bike Routes	SHP	ST Plane NAD 83	Bridge points, bike route center lines	
Contour and Elevation	SHP	ST Plane NAD 83	LIDAR Contours and Elevation Data	2,4, 10' con.
Flood Maps	SHP	ST Plane NAD 83	FEMA Q3 Flood Maps	50% complete

4. NC ONE MAP <http://www.nconemap.com>

4.1. Raster

Product	Type	Source	Size	For	Projection	Res	Notes
DOQQ 93	Air photo	NCDOT	tile	JPEG	State Plane Nad 83	1m	Black and White
DOQ 98	Air photo	NC DOT	tile	SID	State Plane Nad 83	1m	color inferred
DRG	Topo map	USGS	tile	SID	State Plane Nad 83	3m	Quadrangle topo

4.2 Vector Files – all SHP, State Plane NAD 83

Short List: Airports, Beach Access Sites, Bridges, County Boundaries, Community Colleges, Census Boundaries – 1970,1980, 1990, Census Tracts – 2000, Conservation Tax Credit Properties, , Districts – Congressional, Districts - NC House, Districts - NC Senate, Emergency Operation Centers, Fishing Designated Trout Waters, Federal Land Ownership, Geodetic Control Points, Game Lands, Geology, Geology – Dikes, Geology – Faults, Hazard Substance Disposal Sites, High Quality Water Outstanding Resource Water Management Zones, Hospital Locations, Hurricane Evacuation Routes, , Landfills, Landslides, Land Trust Conservation Properties, Local Watershed Plans – EEP, Municipal Boundaries - Powell Bill, Medical Facilities, Public Libraries, Public Water Systems, Railroads, Sanitary Sewer Systems, Schools, State-Owned Lands, , Swine Lagoons, TIGER/Line - 1990 Census, Townships, Transportation – Miscellaneous, Universities – Private, Universities – Public, Urban Areas, USGS Gages, Water Distribution Systems: Intakes , Meters, Pipes, Pumps, Tanks, Treatment Plants (Wells, Water Supply Watersheds, Wetlands Types - Coastal Area, Windpower Potential, Zip Code

GIS Data Sources –

5. NC Flood Mapping Program <http://www.ncfloodmaps.com>

5.1. Raster

Product	Type	Source	Size	For	Projection	Res	Notes
DOQ 93	Air photo	NRCS	Co. Mosaic	SID	State Plane 83	1m	B/W or color inferred

5.2. Vector Files

Product	For	Projection	Description	Notes
Roads	SHP	ST Plane NAD 83	Road centers - By State, Division, or County	
Contour and Elevation	SHP	ST Plane NAD 83	LIDAR Contours and Elevation Data	2,4, 10' con.
Flood Maps	SHP	ST Plane NAD 83	FEMA Q3 Flood Maps	50% complete

6. NC County GIS Data

6.1. NCSU Libraries summary <http://www.lib.ncsu.edu/gis/counties.html>

County	Libraries Webpage	GIS Webpage	Online Mapping	Public Downld
Avery	Lib Web	GIS Web	Web Map	
Buncombe	Lib Web	GIS Web	Web Map	Dwnld
Burke	Lib Web	GIS Web	Web Map	Dwnld
Caldwell	Lib Web	GIS Web	Web Map	
Catawba	Lib Web	GIS Web	Web Map	
Cherokee	Lib Web	GIS Web	Web Map	Dwnld
Clay	Lib Web			
Cleveland	Lib Web	GIS Web	Web Map	
Graham	Lib Web			
Haywood	Lib Web	GIS Web	Web Map	Dwnld
Henderson	Lib Web	GIS Web	Web Map	Dwnld
Jackson	Lib Web	GIS Web	Web Map	
Lenoir	Lib Web	GIS Web	Web Map	
Macon	Lib Web	GIS Web	Web Map	Dwnld
Madison	Lib Web	GIS Web	Web Map	
McDowell	Lib Web	GIS Web		
Polk	Lib Web	GIS Web	Web Map	
Swain	Lib Web	GIS Web		
Transylvania	Lib Web	GIS Web	Web Map	
Yancey	Lib Web	GIS Web		

APFO – Aerial Photography Field Office

DOQ – Digital Ortho Quad

DRG – Digital Raster Graphic

NAIP – National Agriculture Imagery Program

NRCS – Natural Resources Conservation Service

B/W - Black and White

DOQQ – Digital Ortho Quarter Quad

DOM – Digital Ortho Mosaics

NRCS – Natural Resource Conservation Service

USDA – United States Department of Agriculture