

Best Available Orthophoto Summary

DATA DESCRIPTION

Since 2010, the North Carolina 911 Board has funded the collection and production of 6-inch (15cm), 3-band (RGB) orthoimagery on a 4-year cycle. Approximately a quarter of the state is flown each year to develop streaming imagery services, 5,000' by 5,000' orthoimagery tiles, and compressed single-file county mosaics. For the first time in the projects history, 6-inch (15cm), 3-band Color Infrared (CIR) orthoimagery will be included with the product delivery beginning in 2020.

RESPONSIBLE AGENCY FOR DATA COLLECTION

The North Carolina Center for Geographic Information and Analysis (NCCGIA) served as Project Manager and Contract Administrator, while leading QBS Quality Assurance, overall quality control, and product distribution for the project. The NCDOT Photogrammetry Unit provides technical advisory services related to acquisition contractors' technical deliverables and photogrammetric Quality Assurance.

HOW TO ACCESS THE DATA

All Statewide Orthoimagery datasets are available through the NC OneMap Geospatial Portal either by streaming Web Map Services (WMS) or through an imagery download option. The most recent County Mosaics for all counties can also be downloaded from NC OneMap. These mosaics are compressed 50:1 to reduce file size.

The NCDOT Photogrammetry Unit maintains a copy of both the 5,000' by 5,000' orthoimagery tiles and the compressed single-file county mosaics locally on the NCDOT Photogrammetry server that is accessible by individuals with NCDOT logins. The data can be loaded into a MicroStation design file (.dgn) or an ERSI ArcMap file (.mxd) by mapping to the server location (contact the photogrammetry unit for the server location). NCDOT CADD services has also developed tools within the MicroStation environment that will allow user to connect to the NC OneMap streaming Web Map Services (WMS) or the individual county tiles on the Photogrammetry server.

Type of Data	Location of Data	Data Format	Who has Access	Uniform Resource Locator (URL)
Statewide Mosaic	NC OneMap	WMS	Public	https://services.nconemap.gov/secure/rest/services
Individual County Tiles	NC OneMap	MrSID (.sid)	Public	https://nconemap.maps.arcgis.com/apps/webappviewer/index.html?id=2c8a9b366c4841f1be2b464347d04a2b
Individual County Tiles	NCDOT Server	MrSID (.sid)	NCDOT Login	Contact us at: photogrammetry@ncdot.gov
County Mosaic	NC OneMap	MrSID (.sid)	Public	http://data.nconemap.gov/downloads/raster/county_mosaics_most_recent/
County Mosaic	NCDOT Server	MrSID (.sid)	NCDOT Login	Contact us at: photogrammetry@ncdot.gov