



North Carolina Department of Environment and Natural Resources
Center for Geographic Information & Analysis

William G. Ross Jr., Secretary

Michael F. Easley, Governor

July 28, 2006

Ms. Brigitta Urban-Mathieux
NSDI CAP Coordinator
US Geological Survey
Geographic Information Office
Federal Geographic Data Committee Secretariat
MS 590, 12201 Sunrise Valley Drive
Reston, VA 20192

Ms. Urban-Mathieux:

This letter is in reference to the 2005 National Spatial Data Infrastructure (NSDI) Cooperative Agreement Program (CAP) award 05HQAG0123 (*"Transitioning NC OneMap to a Statewide Host Site on the National Map"*) awarded to the North Carolina Center for Geographic Information and Analysis (CGIA). Please find attached two copies of the interim technical project report as required.

Please let me know if there is additional information I can provide.

Sincerely,

Joe Sewash, Services Program Manager
North Carolina Center for Geographic Information and Analysis

CC: Desiree Santa, USGS
Chris Kannan, USGS

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Interim Technical Project Report

Cooperative Agreement Program Number: 05HQAG0123

Project Title: Transitioning NC OneMap to a Statewide Host Site on The National Map

Project Start and End Dates: September 1, 2005 through August 31, 2006
CGIA is in the process of requesting a six-month no cost extension.

Lead Project Organization:

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Project Lead:

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Collaborating Organizations:

EROS Data Center
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Data Themes:

The comprehensive list of data services available through the NC OneMap viewer is available at http://www.nconemap.com/onemap_catalog.html

Project Summary:

Through the time period of the interim report, CGIA has installed the hardware and software recommended through EROS Data Center, and developed a plan for transitioning the NC OneMap viewer to CGIA's server system as documented in the scope of work from the initial CAP proposal. This process has uncovered points for consideration that will allow CGIA to extend and enhance the scope of work addressed under this CAP award:

- *Metadata server estimation:* At the time of the grant application, the team architecting the CGIA server system anticipated the need to acquire a dedicated metadata server to support the transition of the NC OneMap viewer. The capacity of the server system that has been subsequently installed has adequate resources for hosting the metadata and clearinghouse functions. Since the planned metadata server acquisition represents an amount greater than ten (10) percent of the overall project budget, CGIA is in the process of requesting the hardware portion of the original budget be redirected to the acquisition of hard drive and memory components to increase the storage capacity for data hosting that will directly supplement the NC OneMap viewer and infrastructure.
- *Travel requirement estimation:* At the time of the grant application, the CGIA server system had not been acquired and installed. Also at this time, the team anticipated the need for the technical specialist at EROS to travel to CGIA's offices in Raleigh, North Carolina to facilitate the NC OneMap Viewer application installation. CGIA and EROS have verified the EROS technical specialist can access the CGIA system through a remote connection. This capability will support the transition of travel funds to CGIA staff hours. These staff hours will support the enhancement of the NC OneMap viewer application beyond the original scope of work
- *Redundancy support through the NC OneMap Catalog:* In addition to the original scope of work, CGIA has investigated the opportunity to upgrade the data catalog component of the NC OneMap Viewer application. Specifically, the catalog component contains a data record about each unique data layer that can be viewed in the NC OneMap Viewer application. CGIA has discovered two models of service checkers developed independently by the EROS Data Center and the USGS Mid-Continent Mapping Center. CGIA will propose to the stated scope of work to investigate the integration of these service checker applications with the data catalog component and NC OneMap Viewer application.

The NC OneMap infrastructure provides a method of accessing data from local and state government entities in the same model as The National Map. Participation in the NC OneMap infrastructure is a resource for free viewing and distribution of spatial data across the state. Data updates are driven through the participants' existing business processes. The temporality of data updates is largely driven by the availability of resources at the local level. CGIA and USGS have been successful in supporting and coordinating the update of local-level orthoimagery, and the wider geospatial community is actively pursuing innovative ways of supporting the update and dissemination of high quality geospatial data.