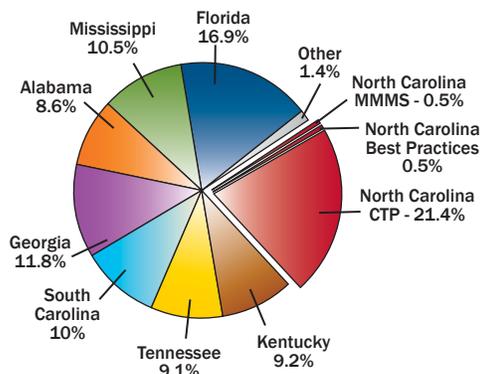


# North Carolina MMMS – Business Plan Summary

Data based on information provided by the State of North Carolina dated September 12, 2006 and other FEMA sources

## REGIONAL AND STATE VIEW

**Federal FY06 Region IV Funding Distribution Total \$36,304,423**



Source: State percentage received of total FY06 Flood Map Modernization Regional production budget according to internal FEMA procurement data (PALT). North Carolina 22.4%

## PURPOSE OF BUSINESS PLAN SUMMARY

The Map Modernization Management Support (MMMS) Business Plan Summary was compiled by reviewing the Federal Fiscal Year (FY) 2005-2009 MMMS Business Plans and FY 2007 updates. These business plans were submitted to the Department of Homeland Security's Federal Emergency Management Agency (FEMA) by FEMA's MMMS partners.

The spring 2007 Business Plan Summary is being published at the crossroads of FEMA's mid-program evaluation and the end-state conditions of Map Modernization. This year, the summary reflects the MMMS partners' approach to and the effects of FEMA's mid-course adjustment, in addition to outlining their accomplished and planned MMMS activities, highlighting the MMMS partner's approach to meeting the goals of and program vision for Map Modernization. FEMA's mid-course adjustment is a redirection of improving and updating the Nation's flood hazard identification maps. FEMA will now focus on developing flood

maps that meet new higher standards for mapping and for a greater allocation of resources to those communities at greatest flood risk. The "end state conditions" refer to how successful the flood mapping effort is at the end of Map Modernization in FY 2010.

## STATE VISION FOR MAP MODERNIZATION AND IMPLEMENTATION

The state's vision is for full responsibility for production and maintenance of the Digital Flood Insurance Rate Maps (DFIRMs), all DFIRM data, and all aspects of floodplain mapping to be delegated to the NCFMP and for complete "wall-to-wall" statewide mapping to be finished by the end of FY09, with map maintenance scoping beginning in FY06 and engineering model development and DFIRM production in FY07.

## EFFECTS/APPROACH OF/TO MIDCOURSE ADJUSTMENT

As outlined in the June 2006 FEMA document, "Fiscal Year 2007 Guidance for CTP and MMMS Activities and Reporting," the House Appropriations Committee issued a directive to FEMA in House Report 109-79 that caused FEMA to issue a mid-course adjustment for their Flood Map Modernization Program. This mid-course adjustment focuses on Congress' concern that "...the percentage of maps that will be updated, not merely transferred to a digital format, and the percentage of population that the updated maps cover." The North Carolina Floodplain Mapping Program (NCFMP) has had the same concern as Congress since the program's inception in 2000 and therefore, has and will update every previously studied stream (either with new detailed study, limited detailed study, redelineation, or automated Zone A analyses) along with studying previously unstudied streams. The NCFMP has never performed straight digital conversions of

## MAP OF EFFECTIVE DFIRMS



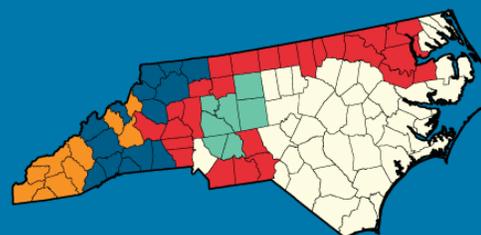
### LEGEND

Map of Effective DFIRMs



Source: FEMA Regional Flood Study Sequencing by County – March 2007

## MAP OF PRELIMINARY DFIRMS



### LEGEND

Map of Preliminary DFIRMs



Source: FEMA Regional Flood Study Sequencing by County – March 2007



**FEMA**

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FIRMS. The NCFMP agrees with FEMA that ensuring compliance with the 2005 Floodplain Boundary Standard and providing additional resources for engineering analysis with “better meet the near-term needs of map users...” than digital conversions.

## SIGNIFICANT ACCOMPLISHMENTS AND STRENGTHS OR SUCCESS STORIES

NCFMP is well along in accomplishing its vision of creating seamless statewide mapping using updated flood hazard data, new topographic data, and the most up-to-date DFIRMS. The NCFMP divided the state’s 17 river basins into three phases and assigned the highest priority (Phase I) to the six eastern river basins. Phase II include six basins in Central North Carolina and Phase III includes the final five basins in Western North Carolina.

NCFMP executed a Mapping Activity Statement for MT-2 Letter of Map Change (LOMC) Production with FEMA starting July 1, 2006 for a period of one year. The NCFMP and their contractor assumed the responsibilities in regard to MT-2 processing under this pilot project. The NCFMP believes that full delegation from FEMA to the CTP includes MT-1 LOMC processing, and this delegation would fully support the NCFMP’s vision to “own” all flood hazard data and associated products in the state. The NCFMP is working with FEMA to develop a plan for MT-1 LOMC delegation to the NCFMP within FY07.

## SIGNIFICANT COOPERATIVE EFFORTS WITH PARTNERS

In August 2000, the state of North Carolina allocated \$23 million toward establishment of the North Carolina Flood Mapping Program (NCFMP) and Phase I of statewide remapping. Subsequently, on September 15, 2000, North Carolina and FEMA signed the Cooperating Technical State (CTS) agreement. To date, the NCFMP has made significant progress toward the goal of statewide remapping, thus providing many benefits to North Carolina communities and citizens. With the creation of the NCFMP and the signing of the CTS agreement, FEMA and North Carolina affirmed their mutual commitment to a three-phased program to perform “wall-to-wall” remapping of the entire state and to transition responsibility for flood hazard mapping and map maintenance in North Carolina from FEMA to the NCFMP.

## IMPEDIMENTS TO MAP ADOPTION

The State Attorney General provided a written response declaring that the “automatic revision clause” is not constitutional in the state of North Carolina and can no longer be used for community ordinances within the state.

## UNMET NEEDS OF NORTH CAROLINA’S MAP MODERNIZATION PROGRAM

The NCFMP will revise approximately 15 percent of DFIRMS to upgrade studies for streams that were redelineated or studied by limited detailed methods during the first phase of the mapping program. During Phase I of the statewide mapping program, there was a FEMA-issued moratorium on new coastal studies while FEMA prepared new guidance. The state recognizes the need to assess the vulnerability and risk in these areas not previously addressed during Phase I of the program and believes that it is imperative that new storm surge and wave height models be run for the entire North Carolina shoreline. Additionally, the NCFMP will investigate the need to obtain new topographic and base data to support map updates.

### ACCOMPLISHED ACTIVITIES FY06

- Mapping and Engineering Needs Community Assessment (MENCA) upgrade for Map Maintenance Activities
- Conversion of Phase I Scoping Data to MENCA
- Revise NC Business Plan
- Best Practices – Develop Operational Plan for Utilizing Effective, Modernized Digital SFHAs in the state of North Carolina

### MMMS ACTIVITIES PLANNED FY07

- The NCFMP will submit proposals for FY07 MMMS funding under separate cover at the request of FEMA