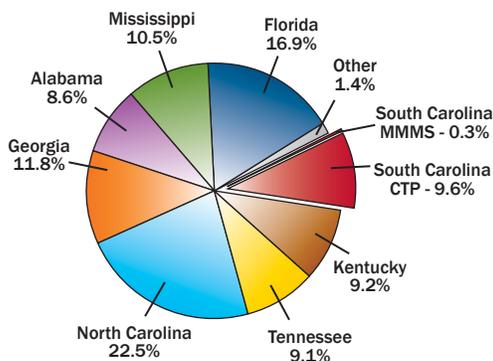


South Carolina MMMS – Business Plan Summary

Data based on information provided by the South Carolina Department of Natural Resources (SCDNR) dated November 6, 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). South Carolina 9.9%

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 SCDNR will coordinate South Carolina's flood mapping program in keeping with the state and local goals and in accordance with the guidelines provided by FEMA including the Mid Course Adjustment issued in 2006. As funding is available, the state, supported by its contractors, will undertake several new Map Modernization activities. FEMA has provided guidance on activities that can be conducted through the MMMS program and those that can be conducted through the Cooperating Technical Partners (CTP) program. The state's vision is to continue conducting its current NFIP activities and to conduct additional activities through the MMMS and CTP programs.

EFFECTS/APPROACH OF/TO MIDCOURSE ADJUSTMENT

In March 2006, FEMA issued information regarding a "Mid-Course Adjustment" to the Map Modernization Program. This adjustment essentially changed the focus of the program from one that aimed primarily at having a digital flood layer for the entire country, to one that provided more accurate and up-to-date flood information to those areas that were more at risk to flooding. The targets that came from the Mid Course Adjustment resulted in a significant change to the South Carolina Map Modernization goals.

FEMA has limited funds for Map Modernization, resulting in inadequate

MAP OF EFFECTIVE DFIRMS



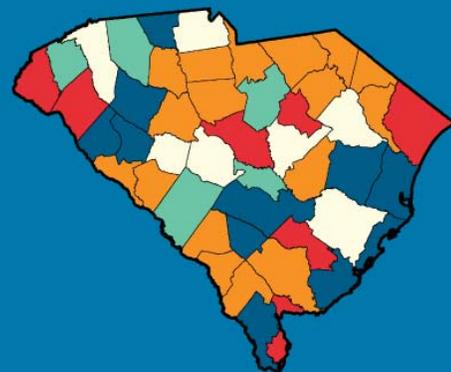
LEGEND

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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funding for every South Carolina county to receive a full restudy (including detailed study, redelineation of previous detail studies, and limited detail study). In light of this, the SCDNR has used a risk based decision making process to determine future scheduling and the level of study that can be performed in each community. As a first step in this process, the relative flood damage risk for each county was estimated using factors such as population, population density, population growth, repetitive loss properties, and number of National Flood Insurance Program (NFIP) policies. This information was then combined with available funding information, estimates of individual county-wide study costs, FEMA performance targets provided with the Mid-Course Adjustment, and the state's high level goals to develop the future direction of Map Modernization in South Carolina.

Based on the anticipated funding levels and FEMA's Mid Course Adjustment targets, the state's proposed list of counties to be included in the current Map Modernization program, along with the recommended study type and sequencing of the studies, has changed and is provided in Table 3-6 of the Business Plan dated November 26, 2006. As shown this table, the state is proposing that studies for nine South Carolina counties be funded and performed in FY 2009 or later, which is beyond the current Map Modernization program. The primary drivers for this decision include:

- The FEMA Mid Course Adjustment targets can only be met if higher risk counties are studied by limited detail or detail study methods instead of the previously planned digital conversions for some counties, thus increasing the estimated study costs for these studies. Additionally, more realistic study costs were used based on experience gained thus far in the Map Modernization initiative.
- The minimum FEMA Mid Course Adjustment targets can be met in South Carolina prior to performing the nine studies recommended for funding beyond the current Map Modernization Program (in FY 2009 or beyond).
- SCDNR anticipates that the Map Modernization Program may be funded for additional years, or that some sort of map maintenance program will follow the Map Modernization Program that may provide some or all the funding necessary for performing these nine studies.

The state is in the process of developing a review and validation process and procedure that will support the Mid Course Adjustment goal of "...validated engineering studies..." The state plans to meet the 2005 Floodplain Boundary standard for all detail and limited detail studies in FY 2005 and beyond.

UNMET NEEDS OF SOUTH CAROLINA'S MAP MODERNIZATION PROGRAM

SCDNR estimated in its original mapping needs assessment that approximately \$40 million would be needed to update the flood maps statewide to meet the state's goals. A recent update to this assessment, based on experience gained to date, has resulted in this total being revised downward to approximately \$37 million. This business plan is based on an approximately \$21 million program to reflect FEMA's projected funding levels. Consequently, there will be an approximate \$16 million in unmet needs.

FEMA initiated and funded studies in Berkeley, Florence, Greenville, Lexington, and Sumter Counties before FY2003 and the state's involvement in generating new flood maps. The maps for Berkeley, Florence, Greenville, and Lexington counties are currently effective, and the Sumter County maps are scheduled to be effective December 19, 2006. Consequently, there is no funding proposed in this plan to update these communities' maps, other than the funding necessary for Post Preliminary Processing of the Sumter County Maps. However, in some cases these maps do not fully meet the state's vision for the statewide Map Modernization Program. Problems with these maps include poor quality digital flood layers that don't align with county GIS data and extensive use of unnumbered A zones without BFE information. Additional funding will be needed to update these maps to the new state standards.

ACCOMPLISHED ACTIVITIES FY06

- Updated the Business Plan
- Obtained approval from FEMA and hired two positions under the MMMS program (Hydrologic and Hydraulic Engineer and a Planner/Outreach Specialist)
- Developed an Outreach Plan and Training Plan
- Initiated quarterly newsletter for NFIP coordinators to provide program status
- Lead several scoping and community coordination meetings
- Conducted in-house management activities

MMMS ACTIVITIES PLANNED FY07

- Update plan
- Mapping Needs Update Support System updates and identifying needs
- Ensuring compliance with the NFIP when updating mapping