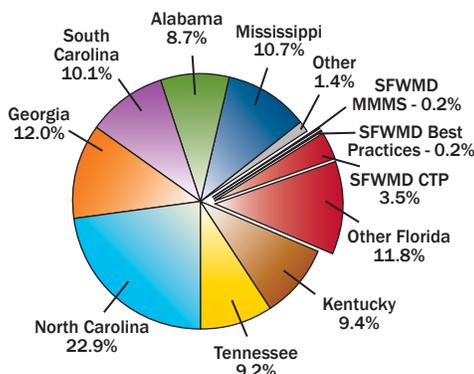


South Florida Water Management District MMMS – Business Plan Summary

Data based on the South Florida Water Management District (SFWMD)
dated October 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). SFWMD 3.9%; Florida 15.7%

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

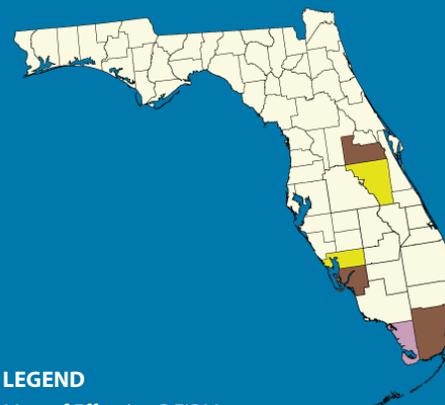
maps that meet new higher standards for mapping and for a greater allocation of resources to those communities at greatest flood risk. The "end state conditions" refer to how successful the flood mapping effort is at the end of Map Modernization in FY 2010.

STATE VISION FOR MAP MODERNIZATION AND IMPLEMENTATION

The SFWMD's vision for supporting FEMA's Map Modernization Program is to partner with FEMA in every aspect of Map Modernization including the development and production of Digital Flood Insurance Rate Maps (DFIRMs). The responsibility for the development of the SFWMD Map Modernization program now resides in the newly created Stormwater Management Division. The mission of the Stormwater Management Division is to provide floodplain planning and water quality enhancement for surface waters within the SFWMD through floodplain mapping and implementation of flood management and pollution control strategies. The SFWMD's vision also includes the development of extended Arc Hydro databases for all watersheds within the 16-county jurisdiction of the SFWMD and the development of a one-stop geospatial infrastructure that will store the databases and hydrologic and hydraulic (H&H) models for use by the public and private sector for project development and refinement through FEMA's web portal. An integral part of this vision will be the SFWMD's outreach to the communities and other users of this data and SFWMDs training of local staff in the nine (9) SFWMD service centers on National Flood Insurance Program (NFIP) policy and procedures. Establishment and maintenance of a SFWMD-wide Arc Hydro database will result in accurate and up to date H&H models in the SFWMD counties, which in turn will be reflected on DFIRMs produced by the SFWMD. This will result

Please See Page 2

MAP OF EFFECTIVE DFIRMs



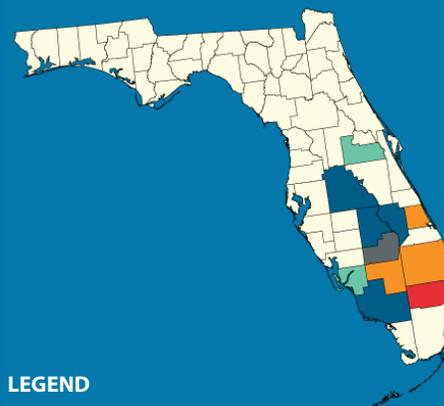
LEGEND

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

South Florida Water Management District

MMMS – Business Plan Summary

Data based on the South Florida Water Management District (SFWMD) dated October 2006 and other FEMA sources

in DFIRMs for the SFWMD that will reflect the true flooding risk associated with the ever-expanding development and population in the SFWMD, thus providing a safer living environment for the citizens in the SFWMD.

SIGNIFICANT ACCOMPLISHMENTS AND STRENGTHS OR SUCCESS STORIES

South Florida's subtropical extremes of hurricane, flood, and drought – combined with efforts to populate this “new frontier” – led the U.S. Congress to adopt legislation creating the Central and Southern Florida Flood Control Project (C&SF) in 1948. In 1949, the Florida Legislature created the Central and Southern Florida Flood Control District, the predecessor to the SFWMD. In 1972, with the Florida Water Resources Act (Chapter 373), the state created five water management districts, with expanded responsibilities for regional water resource management and environmental protection. The districts' boundaries are determined by watersheds and other natural, hydrologic, and geographic features.

SIGNIFICANT COOPERATIVE EFFORTS WITH PARTNERS

Through the Cooperating Technical Partners (CTP) program, the SFWMD has partnered with FEMA and local counties to perform restudy and mapping efforts; to develop an Arc Hydro geospatial database to assist in providing the independent Quality Assurance/Quality Control (QA/QC) reviews of topographic data, hydrologic and hydraulic modeling, and floodplain delineation; and for the creation of DFIRMs and Flood Insurance Studies.

IMPEDIMENTS TO MAP ADOPTION

The major factors that contribute to lengthy post-preliminary DFIRM processing times and adoption of the DFIRMs are appeals and protests from the local communities and a six-month compliance period once the maps are finalized. An effective outreach program can result in the reduction of appeals and protests.

UNMET NEEDS OF THE DISTRICT'S MAP MODERNIZATION PROGRAM

The dollar amounts projected are insufficient to meet all the modeling needs in the fast growing SFWMD area. In an effort to determine the unmet needs throughout the District, an assessment was made of the number of unstudied stream miles located in “developed” areas of the District. Stream segments were obtained from Tiger Hydro Line data

and also from the Florida Geographic Data Library. Unstudied stream miles were then determined by selecting all water features (not previously studied by FEMA) located within a 2 ½ mile radius of any “developed” area of at least 10 acres in size. The funding estimate associated with these unstudied streams is based on a per mile cost of \$15,000.

In addition to unstudied stream segments, an unmet need will also include an update to the coastal flood hazard analyses throughout the District. The coastal update would include new storm surge analyses, wave height analyses and mapping. The funding estimate associated with the revised coastal analyses is based on an average per mile cost of \$17,500. This average was calculated based on the total cost amongst all nine coastal counties.

The total funding need for these unmet needs is approximately \$73,267,945.

ACCOMPLISHED ACTIVITIES FY06

- Updated the plan

MMMS ACTIVITIES PLANNED FY07

- Conduct scoping activities
- Outreach associated with a specific DFIRM project
- Outreach to communities and citizens concerning Map Modernization and SFWMD's role in the program
- Outreach and coordination with other Florida Water Management Districts
- Update existing H&H models and develop new H&H models within the DFIRM project areas
- Manage and produce DFIRM products for those communities that presently do not meet FEMA's Map Modernization standards
- QA/QC activities
- Program management
- Updating the business plan