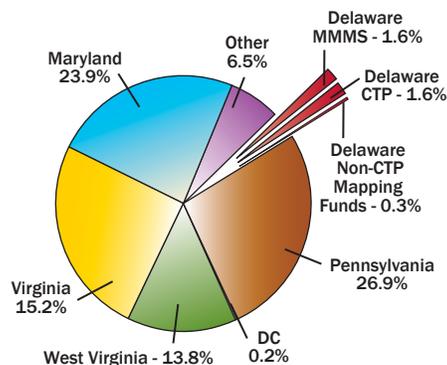


Delaware MMMS – Business Plan Summary

Data based on information provided by the Department of Natural Resources and Environmental Control (DNREC) Division of Soil and Water dated October 2006 and other FEMA sources

REGIONAL AND STATE VIEW

Federal FY06 Region III Funding Distribution Total \$15,947,002



Source: State percentage received of total FY06 Flood Map Modernization Regional production budget according to internal FEMA procurement data (PALT). Delaware 3.5%

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.

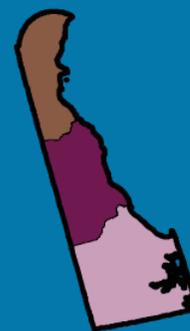
STATE VISION FOR MAP MODERNIZATION AND IMPLEMENTATION

A need exists for Delaware to develop an effective floodplain management system to meet the demands caused by growth. Delaware envisions that Map Modernization can be integrated into existing IT systems and will be the backbone of this effort. A goal of Map Modernization is to provide more accurate and complete flood hazard information to key stakeholders. The initial phase to support this effort will utilize an expandable and adaptable framework for a web-based data inventory system. It is envisioned that DNREC can utilize existing in-house IT resources and staffing to develop this framework.

SIGNIFICANT ACCOMPLISHMENTS AND STRENGTHS OR SUCCESS STORIES

The state of Delaware has been actively pursuing an improved system for developing and maintaining a viable flood plain mapping and map modernization program. This is evident by the promulgation of the Smart Map program by the Delaware Department of Agriculture, the Environmental Navigator website by the Delaware Department of Natural Resources and Environmental Control (DNREC) (<http://www.dnrec.state.de.us/DNRECEis/>), the pursuit of watershed modeling for both water quality and stormwater management by the state and local governments, and other quasi-governmental agencies and organizations. It is anticipated that by leveraging existing IT resources and tools

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

Delaware MMMS – Business Plan Summary

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with a partnership with FEMA in Map Modernization, Delaware can implement a quality program that provides meaningful services to a broad array of customers, agencies and organizations. The net result will be an improved and effective floodplain management program for Delaware.

SIGNIFICANT COOPERATIVE EFFORTS WITH PARTNERS

To achieve effective program implementation, DNREC will develop a system for the effective and efficient management of increased flood study and mapping efforts. This includes processes for contract management, identification of matching funds and partnerships with key stakeholders: FEMA, Delaware Emergency Management Agency, DNREC Division of Soil and Water, DNREC Division of Water Resources, Delaware Coastal Management Program, Delaware Department of Transportation, Delaware Geological Survey, University of Delaware, County governments, Local communities, State Planning Office, and other data users.

IMPEDIMENTS TO MAP ADOPTION

The states, commonwealths, and district in Region III do not have laws or regulations that act as an impediment to adopting ordinances. Delaware's policy actually facilitates timely adoption; auto adoption is a legally available option in the district. The only impediment may be staffing to complete the tasks involved in the adoption process. Region III staff have indicated that state employees and FEMA Regional staff who are trained and knowledgeable in the adoption and ordinance review processes currently have large workloads.

UNMET NEEDS OF DELAWARE'S MAP MODERNIZATION PROGRAM

It is anticipated that Delaware will use in-kind services as required matching funds. It is anticipated that in-kind services will consist of a combination of non-federal sources that may include the actual cost for completing studies to address local flooding issues, not necessarily related solely to FEMA flood mapping efforts in addition to cash. DNREC requests \$1.7 million in FY 2006 for: Statewide watershed modeling and stormwater utility information, Flood studies statewide, and Light Detection and Ranging (LiDAR) data procurement central/northern Delaware. Funding requirements are rough estimates of the funding level required to accomplish significant flood study and management needs outlined in the business plan and in part from the recommendations from the Governor's Surface Water Task Force.

ACCOMPLISHED ACTIVITIES FY06

- Negotiated Task Orders with URS Corp.
- Prioritized study areas in Kent County where LiDAR-derived DEM is available
- Reviewed and submitted locally prepared flood studies as as-needed basis
- Continued with outreach program
- Expanded catalog and inventory
- Disseminated digital data to parallel users
- Evaluated and assess the program and modify, as necessary
- In coordination with the Delaware Geological Survey, pursued funding sources for LiDAR data collection in the remainder of Kent County and New Castle County

MMMS ACTIVITIES PLANNED FY07

- Prioritize additional study areas in Sussex County
- Prioritize study areas in New Castle County
- Assist in the release of New Castle County countywide floodplain maps converting base flood elevations to the NAVD 88 vertical datum
- Manage flood study contracts with URS Corporation and pursue additional flood studies in Sussex and New Castle County
- Prioritize coastal flood study needs in Sussex County
- Review and submit locally prepared flood studies on as-needed basis
- Continue with outreach program
- Expand catalog and inventory
- Disseminate digital data to parallel users
- Evaluate and assess the program and modify, as necessary
- In coordination with the Delaware Geological Survey, pursue funding sources for LiDAR data collection in the remainder of Kent County and New Castle County
- Collect LiDAR data in the remainder of Kent County and New Castle County