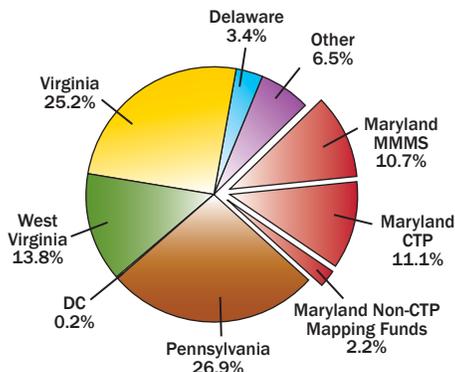


Maryland MMMS – Business Plan Summary

Data based on information provided by the Maryland Department of the Environment (MDE) dated October 20, 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). Maryland 24%

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.

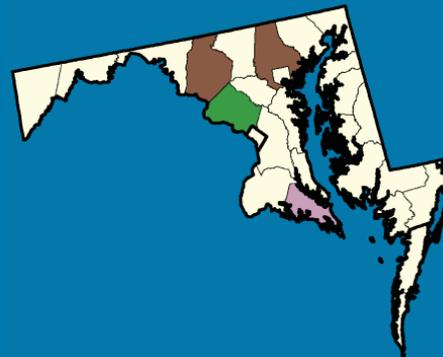
STATE VISION FOR MAP MODERNIZATION AND IMPLEMENTATION

Maryland's vision for Flood Map Modernization is closely coupled with its vision for floodplain management as articulated in that Business Plan. If new studies can be done with FEMA funding and without the costs associated with traditional detailed studies, Maryland Department of the Environment (MDE) can develop a new set of "live" studies, which it can modify as watershed conditions change. The Wetlands and Waterways Program, which now reviews proposed changes to the floodplain submitted by outside engineers to issue Waterway Construction Permits, will be able to model any proposed changes and keep the maps current as permits are issued.

SIGNIFICANT COOPERATIVE EFFORTS WITH PARTNERS

Light Detection and Ranging (LiDAR) has now been collected for all 17 Cooperating Technical Partner (CTP) counties contained in MDE's business plan for Map Mod updates. New LiDAR data is available in Allegany, Garrett and Washington counties via a 911 Emergency Identification Grant received by those western Maryland counties. The other LiDAR data set now available for mapping is Caroline County on Maryland's Eastern Shore. Caroline County is available due to economies of scale on the final Department of Natural Resources data collection effort on the Eastern Shore.

MAP OF EFFECTIVE DFIRMS



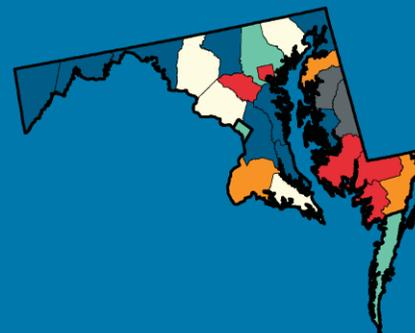
LEGEND

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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The lower unit cost enabled Caroline County to be collected, while meeting the data acquisition criteria.

IMPEDIMENTS TO MAP ADOPTION

Maryland does not have laws or regulations that act as an impediment to adopting ordinances. Maryland's policy actually facilitates timely adoption; auto adoption is a legally available option in communities and counties. The only impediment may be staffing to complete the tasks involved in the adoption process.

UNMET NEEDS OF MARYLAND'S MAP MODERNIZATION PROGRAM

State of Maryland hiring limits and lower than expected MMMS funding have necessitated that the state adjust its work plan. Instead of additional personnel, MMMS funding has supported data

collection, hydrologic analyses, and hardware and software purchases to increase MDE's capacity to collect and process data for floodplain modeling. Also, it is apparent that maintenance and management of live study updates will become a funding need in the future. Anne Arundel, as well as other counties, has inquired about funding availability for flood data collection updates and maintenance.

MMMS ACTIVITIES PLANNED FY07

- Data collection, hydrology, hardware, and software