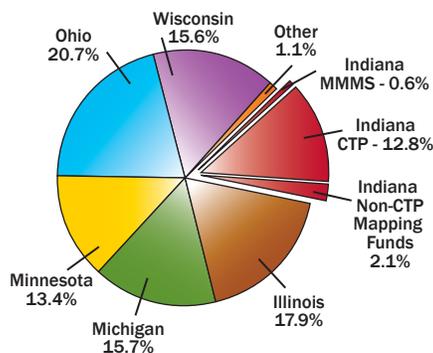


Indiana MMMS – Business Plan Summary

Data based on information provided by the Indiana Department of Natural Resources – Division of Water dated December 2006 and other FEMA sources

REGIONAL AND STATE VIEW

Federal FY06 Region V Funding Distribution Total \$17,811,928



Source: State percentage received of total FY06 Flood Map Modernization Regional production budget according to internal FEMA procurement data (PALT). Indiana 15.5%

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

This business plan update is the third update of the original version of the Indiana Floodplain Mapping Initiative published in 2003. Since the original report was completed, the floodplain mapping program in Indiana has grown and matured to a point where the Indiana Department of Natural Resources, Division of Water (DOW) has become a "managing state," where all floodplain mapping is planned, created, reviewed and published locally. Support to the DOW in managing the floodplain mapping program comes from many different partners, from local community planning offices to the largest federal agencies, all working together to the common goal of creating and maintaining high quality floodplain mapping.

SIGNIFICANT ACCOMPLISHMENTS AND STRENGTHS OR SUCCESS STORIES

In addition to the MMMS grant in 2005, the Division of Water was awarded an additional \$111,100 for the "Best Practices" grant, which is a nationwide competitive award for innovative proposals to support Map Modernization. The Division of Water proposal was prepared in conjunction with the USGS Indiana Water Science Center to develop a web-based calculation and display tool called StreamStats that greatly reduces the time needed to estimate flood frequency and other streamflow statistics for ungaged sites and to make published streamflow statistics for USGS data-

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

Indiana MMMS – Business Plan Summary

Data based on information provided by the Indiana Department of Natural Resources – Division of Water dated December 2006 and other FEMA sources

collection stations easily accessible. This package will be valuable for determining regulatory discharges for floodplain modeling and mapping. It will also be valuable for many other local applications in support of floodplain management in the state of Indiana. The StreamStats system is currently in development, and is planned to be implemented in early 2007. All of the approximate hydrology that is needed for the FY 2006 studies (and future studies) will be determined using this tool.

SIGNIFICANT COOPERATIVE EFFORTS WITH PARTNERS

Along with the scoping meetings, DOW staff had plenty of opportunities to inform the user community of the recent developments in the updating of the floodplain maps for Indiana. Engineering Service Center (ESC) staff made presentations on various aspects of the Indiana Floodplain Mapping Initiative in 2006 at the Indiana GIS conference, at the annual meeting of the Indiana Association for Floodplain and Stormwater Management, and at the Purdue University Civil Engineering Professional Development Seminar.

IMPEDIMENTS TO MAP ADOPTION

The Division of Water's Floodplain Management Section will provide floodplain ordinance assistance to communities in support of the Indiana Floodplain Mapping Initiative. This will include a detailed review of a community's floodplain regulations and staff will provide all necessary follow-up action to ensure that new floodplain mapping has been incorporated into the community's floodplain regulations for all community's included in the proposed County-wide DFIRM production. Communities will be encouraged to adopt new mapping prior to the 30-day letter being sent. Community ordinance review selection will coincide with the state's timetable for proposed County DFIRM revisions. The performance measure for this activity will be a comparison of the number of communities receiving new mapping to how many communities adopted the new maps and have compliant ordinances. DOW will use the FEMA performance measure of 93% of communities adopting their maps by the FIRM effective date. The number of communities will be defined in the yearly statement of work. Tracking of compliant ordinances or those that are suspended for failure to adopt will be reported in the quarterly narrative reports. DOW has developed the following "Indiana Ordinance Adoption Strategy for Map Modernization" that outlines how DOW will support local communities with their floodplain ordinance updates.

LEVEE STRATEGY

FEMA levee guidance came out too late for the DOW to introduce this issue at the scoping meetings for the FFY 2005 counties, but it was discussed in general terms at some of the FFY 2006 and FFY 2007 scoping meetings. Since the Louisville, Detroit, and Chicago Districts of the Corps of Engineers are active in the inspection and maintenance of many of the affected structures; it will take coordination between the Corps, DOW, and FEMA and the locals to assure that these items are addressed. It is encouraging that FEMA and the Corps have been taking the lead in starting the coordination process, and it is anticipated that many of these issues will be resolved to the point where many maps now on hold can be issued in 2007.

ACCOMPLISHED ACTIVITIES FY06

- The DOW completed CTP Mapping Activity Statements (MASs) for all 16 of the FFY 2006 counties, and a total of \$2,243,000 has been obligated by FEMA to fund the completion of these studies. In total, the MASs call for 1,282 miles of approximate studies, 81 miles of detailed studies, 822 miles of redelineation, 66 miles of leveraged studies, and 1,045 separate DFIRM panels.
- To complete the hydraulic studies, the DOW has contracted with six consultants. These contracts are currently being negotiated, and should be in place by March 2007.
- Work is being completed on the surveying, hydrology and base map preparation in advance of the contracts being signed.
- A total of 22 scoping meetings were held in the counties scheduled for funding through Map Modernization in FFY 2007.
- Division of Water staff created mapping depicting previous DOW permit locations, Floodplain Analysis/Regulatory Assessment (FARA) locations, and any Letters of Map Changes (LOMC's), along with the current floodplain delineation.