

Mapping Information Platform

HAZARDS.FEMA.GOV: STATE-OF-THE-ART TECHNOLOGY FOR FLOOD MAP MODERNIZATION

OVERVIEW

Working with FEMA, the National Service Provider (NSP) has built a state-of-the-art Web site called the [Mapping Information Platform \(MIP\)](#) to enable the management, extraction, sharing, and production of flood hazard data and maps. Established in June 2004, the MIP features a geospatial data viewer and other engineering and mapping tools. The MIP is available online at hazards.fema.gov.

CURRENT MIP FUNCTIONS

TOOLS

Part of Flood Map Modernization (Map Mod) includes promoting an efficient, quality driven approach to Digital Flood Insurance Rate Map (DFIRM) and DFIRM database production. The DFIRM tools reduce production time, promote consistency through a single system, and ensure data integrity. Using the DFIRM tools also ensures that data is submitted according to FEMA's standards.

The Watershed Information SystEm (WISE™) software is available to all mapping partners working on FEMA flood studies at no cost. WISE tools assist with interactive engineering work and include the following modules: Scoping, Terrain, Open Inventory (Survey), Hydrology, and Hydraulics.

The DFIRM production environment provides job management and tracking,

DFIRM database creation and editing, workmap generation, visual and automated quality control, batch and manual map annotation tools, automated Flood Insurance Rate Map (FIRM) panel generation, and automated FIRM index generation. Users can access production tools through a Citrix connection available via the MIP.

The online DFIRM tools are provided free of charge to trained mapping partners who are working on Map Mod-related projects. If purchased separately, the software for a single user would cost approximately \$30,000.

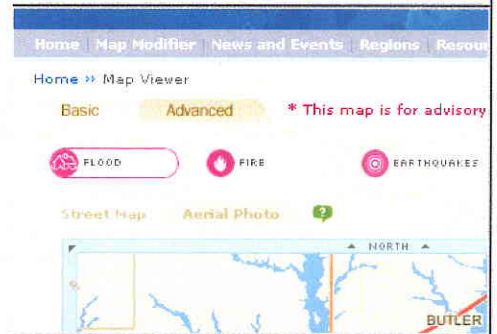
PUBLIC ACCESS

The MIP contains information for home and business owners, community officials, insurance agents, and others. Information on Map Mod, the Multi-Year Flood Hazard Identification Plan (MHIP), and training & grant opportunities is available on the MIP. The MIP also contains a map viewer that allows anyone to type in an address and see whether the property is located in a floodprone area.

PLANNED MIP FUNCTIONS

WORKFLOW

The MIP will aid in the entire flood mapping process. Workflow, the automated process that pushes steps (such as the "Develop Hydraulic Data" step) in the study process from one user to another – will be available to help



2005 MIP MILESTONES

January 2005: Watershed Information SystEm (WISE™) engineering tools deployed

May 2005: DFIRM tools released

2005 MIP PLANS

Release 2.2: Management workflow tool for tracking and reporting study, revision, and amendment project data will make it easier for mapping partners to forecast their workload and report their successes

Release 3: Integration of the DFIRM tools with the workflow tool, and streamlining of the capture and retrieval of engineering and mapping data, and inclusion of automated Letter of Map Amendment (LOMA) processing through the eLOMA application



Mapping Information Platform

HAZARDS.FEMA.GOV: STATE-OF-THE-ART TECHNOLOGY FOR FLOOD MAP MODERNIZATION

FEMA and mapping partners. [Release 2.2](#) provides a management workflow tool for tracking and reporting study, revision, and amendment project data. In order to create this release, FEMA, the NSP, and their partners documented end-to-end workflow for making and maintaining flood maps. This release will make it easier for contractors and mapping partners to forecast and track their workload, and for FEMA, contractors, and mapping partners to report their successes.

FLOOD MAP MODERNIZATION

