

Flood DSS Work Activity Description

Task	Activity
Task 1 Project Kickoff	Task is complete.
Task 2 Level of Data Collection	Task is complete.
Task 3.1 Evaluation of Alternative Technologies	Task is complete.
Task 3.2 System Development	- Completed development of the WMS identify feature, including parsing the getFeatureInfo response and formatting it for display purposes in the identify information box and moving settings to the configuration file. This functionality works for all FEMA NFHL and USGS NHD layers, in addition to other select (non-image) layers. - Completed development of the print feature, including limiting the number of layers, using the layer names in the legend, and flattening the image to reduce the file size.
Task 4 Data Inventory	Task is complete.
Task 5.1 Statewide Data Collection	- Continued to populate the geo-database with historical flood and peak flow information. - Contacted CWCB re: annual flood reports since reports have not been located for 1996, 1998, 2005, and 2009. - Began a list of activities for final quality control and integration. - Performed a feasibility assessment to determine whether photographs can be included in the layer. The approach will likely be to include an attribute entitled PhotoURL so that one photograph can be stored per flood (where available). The photographs will be stored in PNG format on the Flood DSS server. - Performed a feasibility assessment to determine whether the AGS configuration can handle many-to-one database relationships via “Related Records”-type functionality. This functionality would be expensive to develop using the current JavaScript API 1.5. The Flood DSS could be upgraded to JavaScript API 2.0 which has related records functionality, but this would be a significant undertaking, requiring extensive testing and documentation updates. The final option (requiring no system development) is to join the tables and replicate the geometry where multiple references, peak flows, etc. exist. This is the approach being recommended given the current budget status and cost of alternatives.

February 2011

Task 5.2 County Data Collection	Task is complete.
Task 5.3 Digitizing Data	Task is obsolete.
Task 6.1 Real-Time Flow Data	Task is complete.
Task 6.2 Flood Outlook and Snow Data	Task is complete.
Task 6.3 Link to SMS Alert System	Performed trouble-shooting for system performance issues, requiring recreation of the AGS instance and additional work to restore the system to its original state (e.g., securing the AGS services).
Task 6.4 Data Quality Assessment and Utility for Web Serving	Task is complete.
Task 6.5 Data Preprocessing	Task is complete.
Task 7 Access to Non-Spatial Data	Task is complete.
Task 8 Access to Laserfiche Data	Task is complete.
Task 9 Installation and Testing	- Updated user's documentation related to the new print and identify functionality. - Conducted multiple rounds of system testing, including the new print and identify functionality, on Riverside's test machine (Pinewood) and production machine (Sherwood). - Resolved issues identified during testing.
Task 10 Training and Documentation	Task is complete.
Task 11 System Evaluation	Task is complete.
Task 12 Project Management	- Managed work activities and tracked schedule, budget. - Submitted January invoice and monthly reports on Feb 9. - Held January progress meeting by phone on February 22.