

Flood DSS Work Activity Description

Task	Activity
Task 1 Project Kickoff	1.1 None – task is complete.
Task 2 Level of Data Collection	2.1 None – task is complete.
Task 3.1 Evaluation of Alternative Technologies	3.1.1 None – task is complete.
Task 3.2 System Development	<p>3.2.1 Fixed the identify tool to show all attributes in the info window as a table rather than a popup if more than one feature is located.</p> <p>3.2.2 Added session cookies so user only has to agree to the disclaimer one time per website per browser session. Updated disclaimer language from CWCBC.</p> <p>3.2.3 Fixed legend sizing in weather modification simple site.</p> <p>3.2.4 Minor edits to layer/group names and organization based on internal testing and review.</p>
Task 4 Data Inventory	4.1.1 None – task is complete.
Task 5.1 Statewide Data Collection	5.1 None – task is complete.
Task 5.2 County Data Collection	5.2.1 None – task is complete.
Task 5.3 Digitizing Data	5.3.1 None.
Task 6.1 Real-Time Flow Data	<p>6.1.1 Worked with DWR to implement and test the final real-time data and alert stored procedure. This included separating the real-time flow and alerts into two tables, grouping alerts on distinct alert thresholds, and filtering to identify active alerts.</p> <p>6.1.2 Updated the map layers and web applications accordingly.</p>
Task 6.2 Flood Outlook and Snow Data	<p>6.2.1 Continued to work with HDR on product formats and attempting to get the products on an ftp site for automatic processing into the Flood DSS.</p> <p>6.2.2 Refined the SNOTEL data to put QC flags into a separate field and symbolize stations with non-numeric current values as missing.</p>
Task 6.3 Link to SMS Alert System	6.3.1 See 6.1.1.

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Task 6.4 Data Quality Assessment and Utility for Web Serving	<p>6.4.1 Implemented metadata viewing for CSV-based layers and external web services.</p> <p>6.4.2 Created metadata for SNOTEL and SNODAS data layers.</p>
Task 6.5 Data Preprocessing	<p>6.5.1 Fixed symbols and added units to streamflow stations, SNOTEL, and SNODAS layers in the map viewer.</p> <p>6.5.2 Added streamflow alerts as a restricted layer.</p> <p>6.5.3 Fixed hazard plans layer so field with hyperlink to plan becomes visible using identify tool.</p> <p>6.5.4 Organized real-time data group by data type and changed layers that are made visible by default. Added air temperature layer from nowcast web service.</p>
Task 7 Access to Non-Spatial Data	7.1 None.
Task 8 Access to Laserfiche Data	8.1 None.
Task 9 Installation and Testing	<p>9.1 Worked with CWCB to gain access to Flood DSS computers and began remotely installing software components. Python scripts for dynamic data processing (snow, real-time flow, and alerts) have been installed and tested, with final configuration pending installation and configuration of the ArcGIS Server machine.</p> <p>9.2 Made a push from the development machine (Pinewood) to the testing machine (Sherwood) to test and finalize what will be installed on DNR's server for the initial install.</p>
Task 10 Training and Documentation	<p>10.1 Documented data update procedures and integrated it into the administrator's manual.</p> <p>10.2 Began documentation of installing and configuring the web server.</p>
Task 11 System Evaluation	11.1 None.
Task 12 Project Management	<p>12.1 Managed work activities.</p> <p>12.2 Submitted May invoice and monthly reports.</p> <p>12.3 Held May progress meeting on June 23 via teleconference.</p>