Flood DSS

Project Summary Report

April 2010

Most of the effort in April was put into the following tasks: System Development, Real-Time Flow Data, Flood Outlook and Snow Data, and Data Quality for Web Serving.

- The System Development activity included developing quick search, find, and select functionality, completing login functionality, and the addition of a date feature for real-time flow, SNOTEL, and SWE layers.

- Riverside continued to work with DWR on the data service that will provide real-time flow data.

- Riverside modified scripts for processing SNOTEL and SNODAS Snow-Water-Equivalent (SWE) data, began testing the automated process on the development machine, and created a map to display current SWE, 24-hr SWE change and 7-day SWE change grids.

- Riverside created metadata for data obtained from CWCB and developed initial functionality for display of metadata.

- As part of the Data Pre-Processing task, Riverside updated icons, created map services for restricted data layers, and added web services for real-time weather and alerts and the Fort Collins data.

Comments and Concerns

1. Riverside will continue to coordinate development work for the real-time data and alert system tasks with CWCB and DWR. Significant progress was made on these activities this month.

2. The Flood Outlook component is dependent on CWCB's contract with HDR to develop flood products and automated procedures for putting the products on an ftp site for access by Flood DSS. Riverside will notify CWCB if this starts to impact Flood DSS development.

3. Riverside intends to perform an initial installation of Flood DSS by mid-June.