**CADSWES Accomplishments: June 2015**

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**I New/Enhanced Software**

A. Sponsored Tasks

USACE - ABQ

Web maps assessment and recommendation

After assessing various options for accessing web maps from within RiverWare, CADSWES staff prepared a document which reviews various options and recommends an approach to be implemented in the future. The recommendation is that a new workspace view be created which is similar to the geospatial view except that instead of the users providing a static, georeferenced background map, RiverWare provides one that is dynamically generated from a web map service. The document also identifies an open source software package which could be used to facilitate development of this new view.

Document: \\Alamosa\projects\riverware\doc\GIS\WebMaps.Proposal.docx

USACE - ABQ

Requirements for Scenario Explorer

CADSWES staff developed requirements and a high-level design for a new application, the RiverWare Scenario Explorer. The scenario explorer allows stakeholders to view a version of a RiverWare model and to explore alternative scenarios within constraints specified by the model developer.

The scenario exploration process would begin within RiverWare, with a model developer creating an explorer input file that contains a model description, results from a baseline run of that model, a list of the slots whose values are visible from within the explorer, and a list of the slots whose values may be changed from within the explorer. The developer would then provide this explorer input file to a stakeholder, who would then load it into the explorer. Once an input file is loaded, the stakeholder could use the explorer to view baseline run data, change input slot values and re-run the simulation, compare scenario results with the baseline run, export results, and save a scenario. Saved scenarios could be sent to the developer with comments, allowing them to reproduce scenario results and receive feedback on the model.

Document: \\alamosa\projects\riverware\doc\Scenarios\Enhancements2015\ScenarioManagerEnhancements.2015.Requirements.docx