**CADSWES Accomplishments: January 2017**

**Robynn Balduf**

**I New/Enhanced Software**

A. Sponsored Tasks

USACE SWD

Task 13 – Reuse of Custom Object Order List on Object Coordinates Dialog

In January, to improve the efficiency of creating custom-ordered Simulation Object lists, CADSWES staff created a new RiverWare dialog that includes click-and-drag functionality for re-ordering items.

In February, CADSWES staff completed this project including the ability to use the custom order from the workspace within the Model Run Analysis and Object Coordinates dialog. Both dialogs feature a new option on the sort menu: “Custom from Workspace” which displays simulation objects in the order previously specified on the Custom Object Order Dialog.

Requirements and design documentation for this enhancement can be found here: R:\doc\workspace\ObjectListOrder\CustomOrderDialog-Jan2017.docx

USACE SWD

Task 15 – Snap to NaN

In February, CADSWES staff added a “Go to nextNaN” menu option and CTRL+SHIFT+N key combination to the View menus on the SCT and on the Open Slot Dialog. Invoking this option brings the active selection to the next NaN cell value within the current slot or the first NaN in the next slot after there are no remaining NaN values in the current slot.

USACE ABQ 5.10 – Chart and Output Canvas Enhancements Analysis

In February, CADSWES staff began work to further improve use of charts on the output canvas. Enhancements were prioritized by the sponsor and documented by CADSWES staff in a project requirements and design document. Development of a new feature to synchronize animations of charts and output canvas began in January and will continue in March along with other specified enhancements to chart spacing, legends, fonts, and icons.

USACE ABQ 5.11 – Chart and Output Canvas Enhancements Analysis

In February, CADSWES staff documented requirements and completed preliminary design for adding output canvas artifacts such as teacups, flow lines, charts, and text items onto the geospatial view. The work for this enhancement will be combined with that of USACE ABQ 5.10.

BOR 3 – Chart and Output Canvas Enhancements Analysis

In February, CADSWES staff documented requirements, completed preliminary design, and scheduled development work for output canvas and chart enhancements including: the option to export charts to PDF and higher-resolution formats, legends for flow line colors, and resizing images and objects on the output canvas.