Phil Weinstein / Accomplishments (Sponsor Tasks) – March 2017 -- 3-29-2017

[I.A] New/Enhanced Software
   COE SWD Task 9: Plotting: Editing Multiple Curves and Graphs (RW 7.1)

RiverWare 7.1 provides an enhancement to plot page configuration which centralizes editing controls from various single-item editor dialogs into a unified multiple-item editor. Most settings for a plot page's supported nine separate plots are editable within the new **Configure Multiple Plots and Curves** dialog. The user can select multiple items in a plot page, e.g. curves and markers, and apply selected settings to those items in a single operation. Supported settings include plot titles and background colors, plot grid and axis configuration, slot curve and marker labels, marker values, line styles, widths, colors, and symbol styles sizes, and colors. Development started in February 2017 and was completed in March.

This work is described further in this document:

- USACE SWD 9: Editing Multiple Curves and Plots / RW 7.1 / Feature
  R:\doc\plotting\2017\CoeSwd9-EditMultiPlotsCurves-Feature.docx
  R:\doc\plotting\2017\CoeSwd9-EditMultiPlotsCurves-Feature.pdf

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[I.A] New/Enhanced Software
   COE SWD Task 10: Design Doc for Improved Plot Legend and Plot Layer Control
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An analysis and estimate was drafted (to be finalized in early April) for improved user control of plot displays. Desired enhancements include, but are not limited to:

1. More control over placement and size of legend.
2. Drag and drop capability for legends.
3. A right click context menu "Curve Layer" (for example) on the legend with options to "Move to Top", "Move Up", "Move Down", and "Move to Bottom". This would affect the layering of the plots and the ordering of the legend.
4. More interactivity for curves such as hover to highlight, click to bring forward.

Draft versions of the overview, and the feature and technical analysis and development estimates are available as these two documents:

- USACE SWD 10: Legend Overview
  R:\doc\plotting\2017\CoeSwd10-LegendOverview.docx
  R:\doc\plotting\2017\CoeSwd10-LegendOverview2017.03.29.pdf

- USACE SWD 10: Design Documenting for Improved Plot Legend and Plot Layer Control
  R:\doc\plotting\2017\CoeSwd10-TechicalNotesDraft-2017.03.26.pdf

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[III.A] Sponsored User Support
   TVA SCT Analysis and Estimates: (1) Custom Cell Colors / Series Notes, (2) "Undocking" Sheets.

An analysis and development estimate was prepared for features requested by TVA. This consisted of these major areas:

1. Usability Improvements to Series Notes for the SCT.
2. "Undocking" SCT Sheets (tabs).

See this document:

- TVA SCT Feature Analysis / March 2017, Rev2 / RiverWare 7.1
  Analysis for feature development questions from Greg Mueller, TVA (3-14-2017 e-mail).
  R:\doc\sct\2017\TvaEst\TvaSctEstMarch2017Rev2.docx
  R:\doc\sct\2017\TvaEst\TvaSctEstMarch2017Rev2.pdf

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