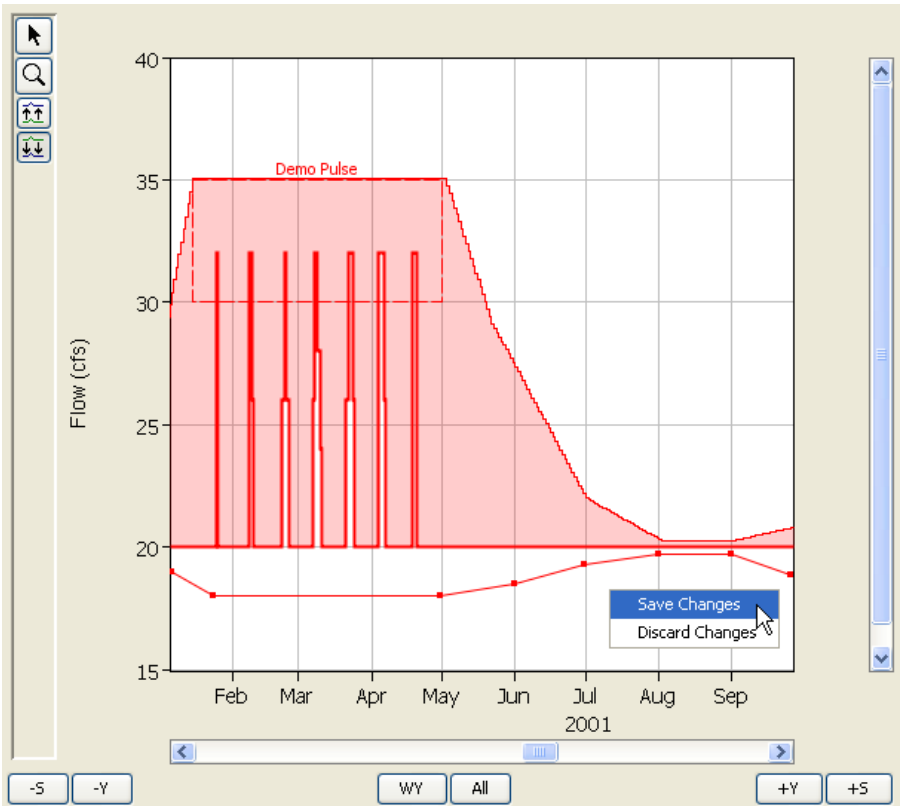
HEC-RPT 2.0
July 2012
Release Notes

Version 2.0 supersedes version 1.1, which was released in January 2007. Installing version 2.0 will not overwrite any previous software versions. Also, version 2.0 is backward compatible, which means that any HEC-RPT project files created with previous versions are fine and ready for use with version 2.0.

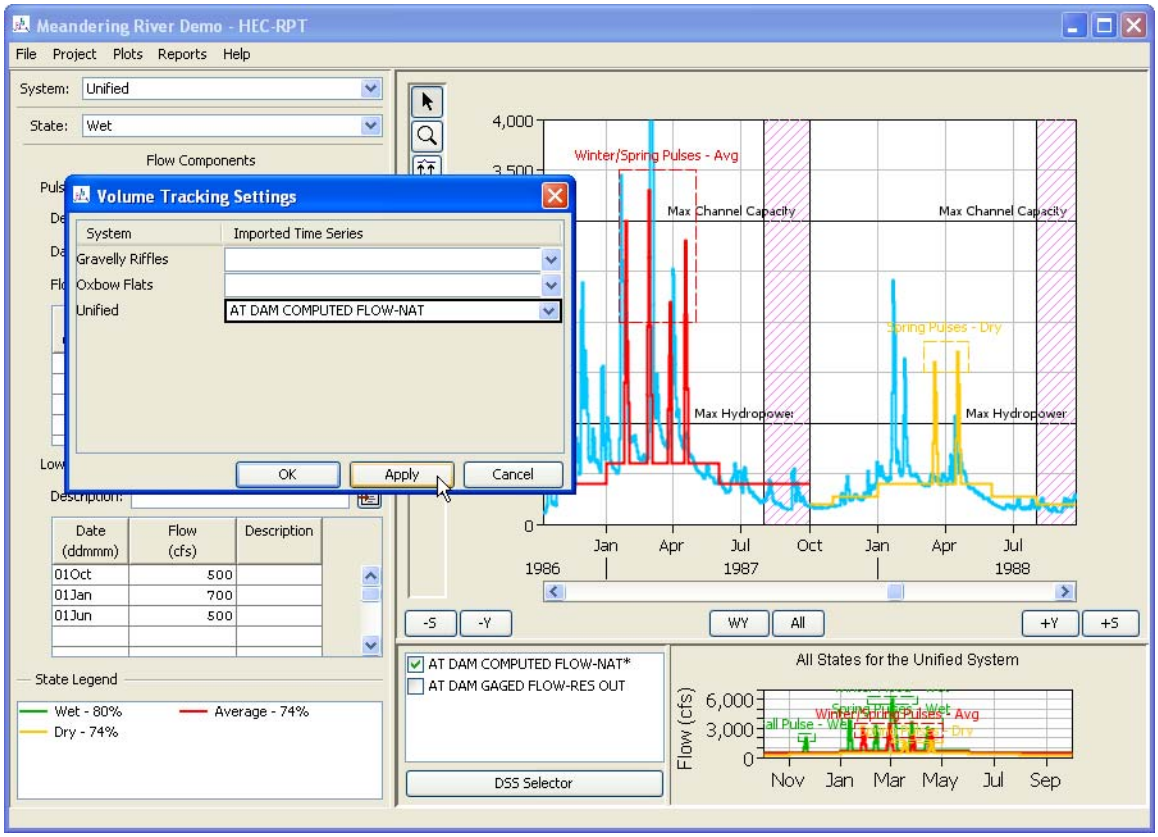
Version 2.0 includes new features, improved software behaviors, and bug fixes for minor issues that were not detected prior to release of version 1.1. The User's Manual has also been updated and is currently the most complete and comprehensive source of information about the software. Changes incorporated in version 2.0 follow:

New Features

- Banding. Banding is used to draw flow recommendations as a range of acceptable flows. This can be useful in situations where the objectives of a flow recommendation can be achieved through varied river conditions, as long as flows stay within a minimum and maximum flow. In this sense, bands are a helpful way to visualize the seasonal flexibilities (wide band) and rigidities (narrow band) associated with flow recommendations. See figure below.



- Volume tracking. Volume tracking allows users to compare the volumes of water that would be required to meet a set of flow recommendations with the corresponding volumes of water associated with an imported time series. Only one imported time series can be selected for use in volume tracking per system. Flows are summed day-by-day and state-by-state for the period of record common to both the flow recommendations and the imported time series. Total flows for the state-based recommendations are then divided by the corresponding total flows of the imported time series and multiplied by 100 to compute a percent volume for each state, which is then reported in the state legend (see figure below) and in a new Volume summary, which is available via the Reports menu.



Improved Behaviors

- In previous versions, the multi-year trace pre-defined plot option would fail when asked to plot data for a year defined as a certain hydrologic state, but without any time series data. This problem has been fixed such that any years without data simply plot as blanks.

- In previous versions, the multi-year trace pre-defined plot option did not support the use of hourly data. This problem has been fixed.

- Leap day handling, especially with the acceptance of date values equal to 29Feb, has been made more consistently managed throughout software interfaces.

- Due to a change in the structure of DSS catalog files (.dsc) that occurred after release of RPT 1.0 and 1.1, the RPT software would crash when accessing a catalog file generated by HEC-DSSVue 2.0 or later. This has been fixed.

- RPT had issues opening browsers and other interfaces in Windows 7. This has been fixed.

- XY Markers generated while using metric units are now behaving correctly. Previously, metric values entered would be incorporated in terms of English units.

Documentation

- Sections 2.6 and 2.8, entitled “Banding” and “Volume Tracking”, respectively, were added to the User’s Manual.