

HEC-WAT RiverWare Plugin

Release Notes

Center for Advanced Decision Support for Water and Environmental Systems (CADSWES)

Version 1.2 – Released September 6, 2023

The following features are included in version 1.2 of the HEC-WAT RiverWare plugin adapter:

- Support for FRA computes: Previously an error in the logic which computed the F-Part caused FRA computes to fail. (Briefly, the logic assumed the F-Part contained two “:”, not taking into account that during an FRA compute the F-Part collection can contain a third “:”, for example “C:000000”.) Addressing the error enables FRA computes to succeed.

Version 1.1 – Released September 20, 2021

The following features are included in version 1.1 of the HEC-WAT RiverWare plugin adapter:

- Version 1.1 of the HEC-WAT RiverWare plugin requires RiverWare 8.2+ and HEC-WAT 1.0.
- Fix to RW-6652: The HEC-WAT RiverWare adapter was not preserving the RiverWare model linking to upstream models. Now the adapter preserves and correctly applies changes made during the model linking step. Note, only one RiverWare model linking configuration is supported per watershed at this time.
- Fix to RW-6648: In RiverWare 8.3, DSS connectivity was re-implemented, changing from the Java DSS server to the HEC C and Fortran libraries. When RiverWare 8.3 was integrated with HEC-WAT 1.0, it was observed that the DSS DMI wasn't succeeding. The adapter has been modified to start RiverWare with different options, which enables the DSS DMI to succeed. Version 1.1 should be used with RiverWare 8.3.1.

Version 1.0 – Released October 6, 2020

This is the initial release of the WAT RiverWare Plugin. The following features are included in version 1.0 of the WAT RiverWare plugin:

- Import RiverWare model alternatives into a study, selecting the model file and SCTs, and selecting the plots, charts, output canvases and scripts to be displayed in the HEC-WAT user interface.
- Create program orders containing RiverWare.
- Create alternatives and simulations containing RiverWare.
- Link RiverWare with its upstream and downstream models.
- Perform the RiverWare simulations as part of a Compute.
- Open the workspace, diagnostic window, RPL sets, SCTs, plots, charts, output canvases and scripts from the HEC-WAT user interface.

Note that Flood Risk Analysis (FRA) computes and output variables aren't supported in this version of the adapter.