II. RiverWare Software Maintenance

Releases, Patches and Snapshots

The following patch was made. Release notes are included:

**RiverWare 6.4.6** was released on February 25, 2014.

Bugs

------------------------------

The following bugs were fixed:

* 5449: There was a geospatial view background image refresh issue with certain image formats.
* 5450: Under certain conditions, slot order was not maintained on the open object dialog.
* 5455: On the water user, when solving given Diversion, there was an incorrect error constraint.
* 5459: Copy/Paste of a Series Slot with Periodic Input was not working

Water User Method

------------------------------

On the Water User, a new method was added to the Diversion and Depletion Request category called Specify Scheduled Requests. This method allows you to specify an initial scheduled amount (as either a series or periodic relationship) and then reduce the schedule to the requests. For more information, see section 25.1.1.10 of the Objects section of the help.

Units

------------------------------

The following units were added:

Length:

- survey\_ft (US Survey Foot)

Volume:

- survey\_acreft (US Survey Acre-foot)

- MCM (Million Cubic Meters)

- TCM (Thousand Cubic Meters)

Flow:

- survey\_acreft/day, survey\_acreft/month, survey\_acreft/year

- MCM/day, MCM/month, MCM/year,

- TCM/day, TCM/month, TCM/year

**Regression Tests**

The regression tests continue to be maintained on a daily basis. This involves updating the regression tests to exercise new developments in the code. Also, as new code is added to the development area, the model comparisons performed in the nightly regression tests usually show differences (for example, because a new method category may have been added). When this occurs, the regression tests need to be updated to reflect the current state of the development area so model comparisons do not fail. In addition, every week, the daily history of each regression test is analyzed to determine if the run time or model size has significantly changed because of new development. In February, the tests were restarted when they failed to work after a power outage.

**Bug Fixes**

The following bugs were analyzed and closed without changes:

2248 - Units need mega, giga, kilo prefixes.

2945 - Passthrough account solves too often

2903: Input Outflow Adjustment methods are no longer needed now that we have physical constraint flags

The following bugs were fixed:

5455 - Tolerance needed on Water user calculation

5464 - Step Response routing is not working when first coeff is zero.