II. RiverWare Software Maintenance

**Releases, Patches and Snapshots**

**Software Updates, Bug fixes (not associated with new development)**

Bug Fixes:

* Bug 5945: Slope Power Reservoir RPL function has side effects. This bug was fixed by adding in code to not set slots when the slope storage computations are called by RPL functions
* Bug 5959: An abort interpolation error happened on Nickajack Reservoir on the Unit Power table. The error message posted was insufficient to debug or understand the issue. This message was fixed in the code. The abort was actually fixed by decreasing convergence of a particular slot.

**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 April, the 32 bit build machines had to be updated regularly due to conflicts in the merge. This prevented the regression tests from running each night.