



New Features

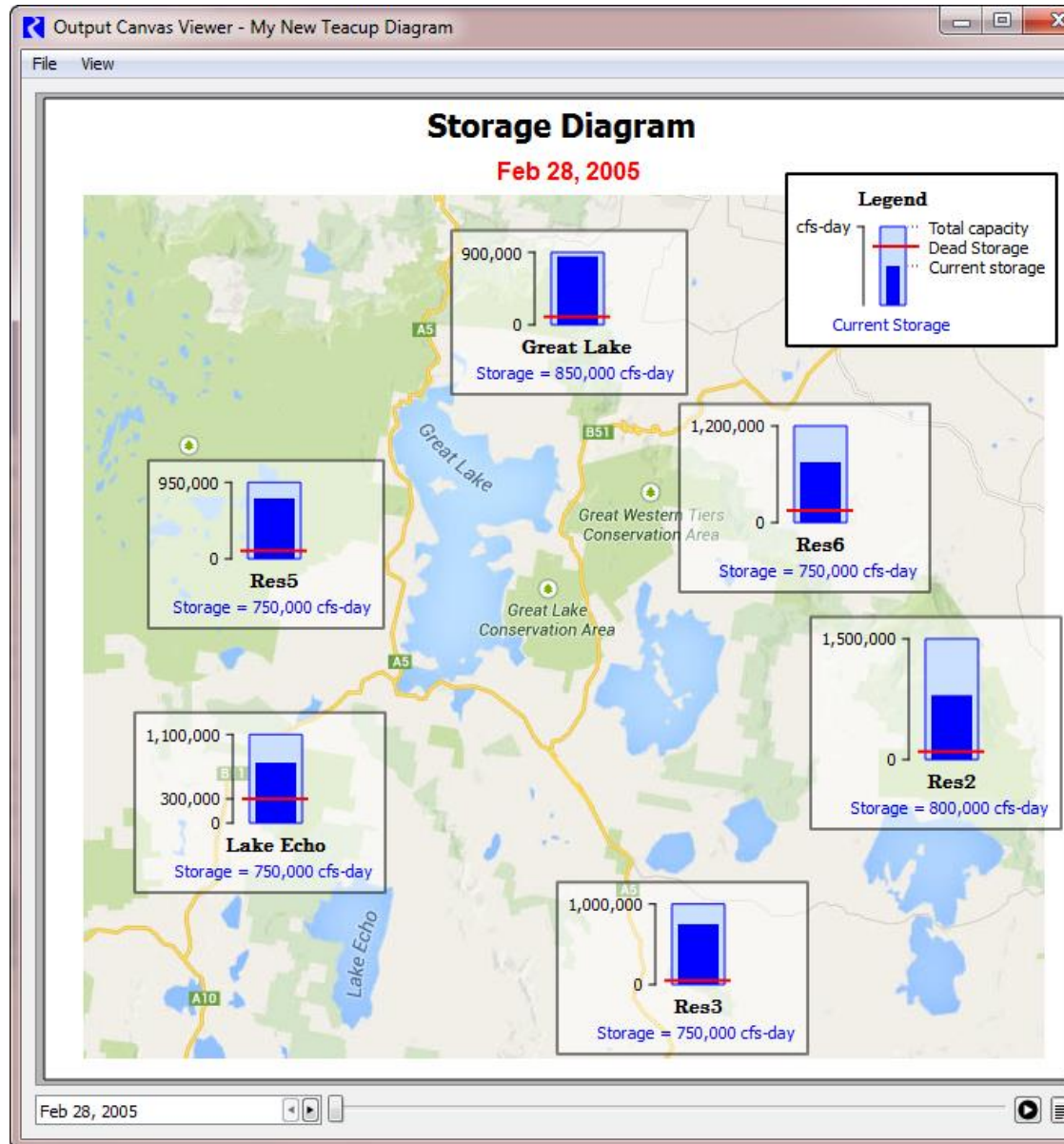
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2016 RiverWare User Group Meeting

August 23-24, 2016

Output Canvas

- Output device which shows teacups, flowlines, data values, images, and charts with object icons and map backgrounds



Enhancements

- RiverWare 6.9:
 - Flow Lines
 - Trapezoidal Teacups
 - Object Icons
- RiverWare 7.0 Enhancements
 - Callout Lines / Pointers – Line groups
 - Show Charts on the Canvas
 - Lots of little items
- Demo

Future Enhancements

- Upcoming:
 - Export of the canvas as a movie, PDF, HTML
 - Run all animations simultaneously
 - Resize objects icons and images
 - Show Output Canvas items on the workspace

RPL: Expression Editing

- RiverWare 6.8 (Jan 2016)
 - Logical operator replacement (e.g., $\geq \rightarrow \leq$)
 - Function argument re-use (e.g., $\text{Min}(x,y) \rightarrow \text{Max}(x,y)$)
 - User-defined function renaming
- RiverWare 7.0
 - Variable name copy/paste
 - Auto-correct
 - History (restored)
 - Common values (menu and palette button)

RPL Search and Replace

- RiverWare 6.8 (Jan 2016)
 - Search all sets
(Future enhancement: search rule/selection?)
 - Change object/slot names
- RiverWare 7.0
 - Scroll to expression
 - Next/Previous item

Miscellaneous Enhancements

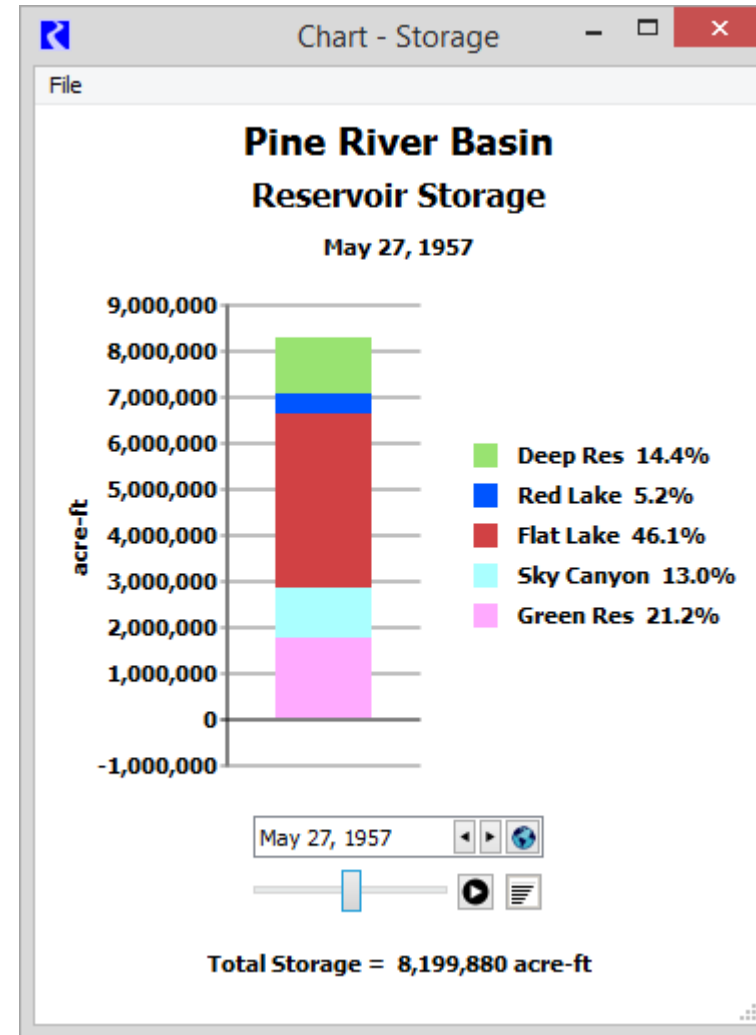
- RPL set path, editable set names
- RPL object delete confirmation
- Replace Initialization Rules Set from File

Future Enhancements

- RPL Subroutines / Rule Templates
 - Idea: Re-use complicated rule logic
 - E.g.: DO SetResOutflow(Blue Lake)
- Improved access to functions
- 100's of user and predefined functions → can be difficult to find function, remember names


Charts

- Stacked Bar charts (6.9)
- Separate Legend (6.9)
- Export as video file (7.0)
 - mp4,
 - avi,
 - webm
- Tighter geometry and more configuration options (7.0+)

















Help Searching

Main Menu

| | | | |
|--|--|---|--|
|  | | Help and Documentation Main Menu Version 6.9 | |
| <i>Current Release Notes</i> | | <i>Prior Release Notes</i> | |
| <input type="button" value="Search"/> | | | |
| <i>Help Overview</i> | | | |
| Accounting Batch Mode | | Rulebased Simulation Run Control | |

Bookmarks

-  **Search All**
-  **Search This Document**
-  **Main Menu**
-  _____
-   *Accounting*
-   1. Introduction
-   2. Accounts
-   3. Supplies
-   4. Object Level Accounting Methods

Help Searching

Search

Arrange Windows

Where would you like to search?

In the current document

All PDF Documents in

My Documents

In the index named All_RiverWare_Documents_Search.pdx

What word or phrase would you like to search for?

Water Rights

Whole words only

Case-Sensitive

Include Bookmarks

Include Comments

Search



Search

Arrange Windows

Looking For:
Water Rights in the index named All_RiverWare_Documents_Search.pdx

Results:
3 document(s) with 115 instance(s)

New Search

Results:

- Accounting
- Objects
 - Water Rights Allocation.....
 - Water Rights Allocation: Entire Forecast Period the prior schedule. T
 - Water Rights Allocation The selected method in this category is exe
 - the Water Rights Allocation solver, click HERE (Accounting.pdf, Sec
 - this water rights allocation method. Choosing a non-zero value for
 - this water rights allocation method. Choosing a non-zero value for
 - the Water Rights Allocation solver HERE (Accounting.pdf, Section 1
 - for water rights appropriations; for more information, click HERE (A
 - the Water Rights solver. You may specify the multipliers used to dis
 - for water rights allocation, to establish a reference level from which
 - for water rights allocation. Its value is an input to the calculation of
 - water rights allocation solution algorithm to compute physical con:
 - water rights allocation solution algorithm to compute physical con:
 - water rights allocation solution algorithm to compute physical con:

Demo

Slots - Demo

- Custom Slots on any object
- Move Slots Utility
- Copy Slots to Objects...
- Slot Groups on Objects
- Find Slot References

Excel Database DMIs

Import or export the following slots:

- Scalar
- Table
- Periodic

DMI Scalar, Table, Periodic slots

- Name Maps of Ranges
- Header Approach

TablePeriodicScalarDMIFormat2.xlsx - Excel

David Neumann

| Reservoir.Elevation Volume Table | | | DataObj.ScalarSlot | DataObj.PeriodicSlot | | | | | DataObj.ScalarSlot2 | DataObj.Irrigation Efficiency | |
|----------------------------------|--------------|--|--------------------|----------------------|----------|----------|----------|-----|---------------------|-------------------------------|-----|
| Pool Elevation (ft) | Storage (m3) | | | 0 cfs | 1000 cfs | 2000 cfs | 3000 cfs | | Efficiency (NONE) | | |
| 10 | 20 | | 3.5 | 1-Jan | 4.2 | 5 | 5.7 | 6 | 285 | Farmer 1 | 0.6 |
| 20 | 30 | | | 1-Feb | 3 | 4.3 | 4.9 | 5 | | City | 0.6 |
| 30 | 40 | | | 1-Mar | 1 | 1.1 | 1.2 | 1.3 | | Farmer 2 | 0.6 |
| 40 | 50 | | | 1-Apr | 2.2 | 2.6 | 3 | 3.4 | | Power Plant | 0.6 |
| 50 | 60 | | | 1-May | 3.6 | 3.9 | 4.3 | 4.7 | | Wildlife Refuge | 0.6 |
| 60 | 70 | | | 1-Jun | 4 | 4.6 | 5.2 | 5.6 | | City 2 | 0.6 |
| 70 | 80 | | | 1-Jul | 5.1 | 5.7 | 6.4 | 6.8 | | Irrigation | 0.6 |
| 80 | 90 | | | 1-Aug | 6.0 | 6.7 | 7.5 | 7.9 | | | |
| 90 | 100 | | | 1-Sep | 6.9 | 7.7 | 8.6 | 9.0 | | | |

Run1 Run0

READY