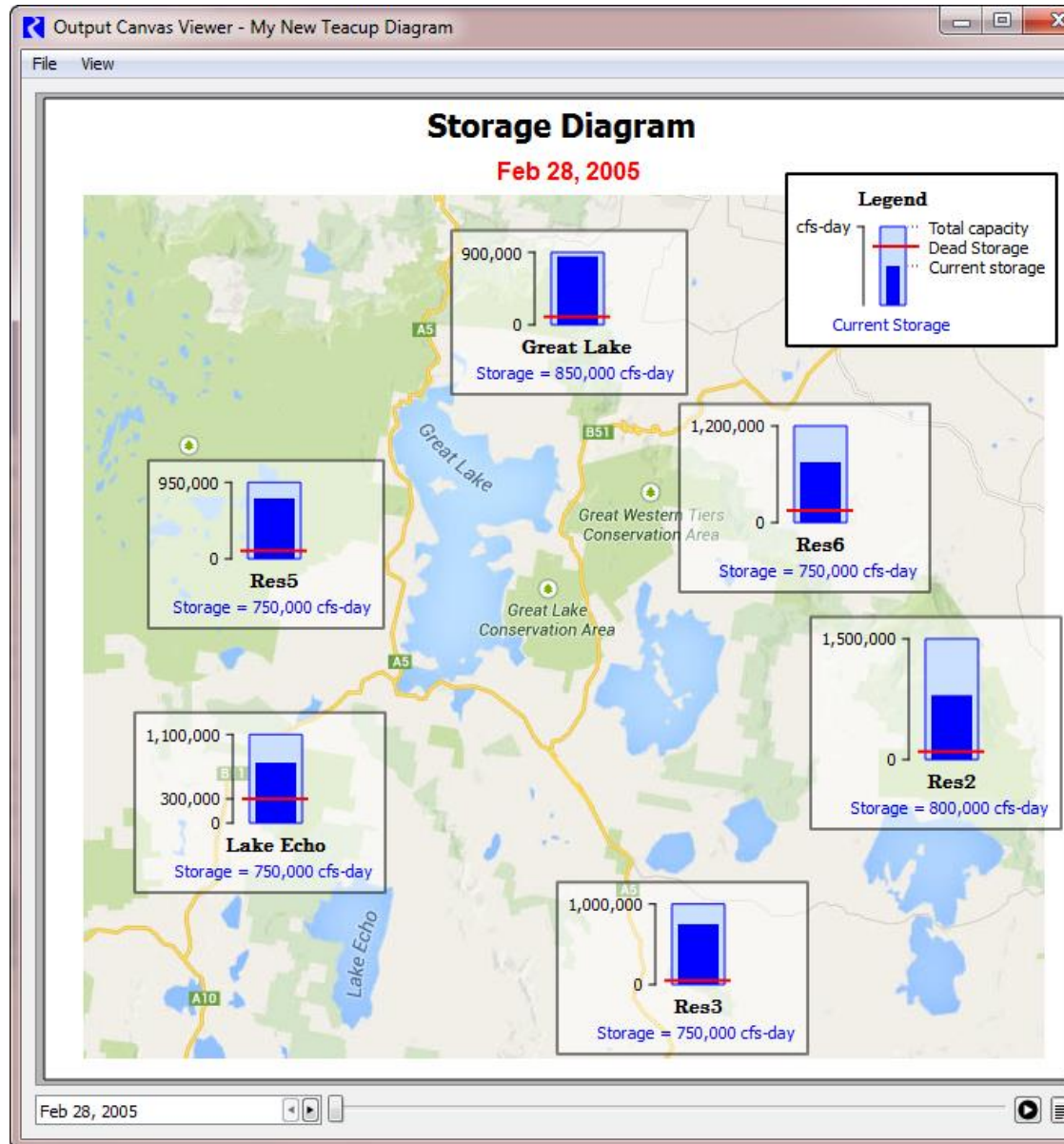# New Features

Presenters: Lauren Brunsdale, Patrick Lynn, David Neumann

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., Min(x,y) $\rightarrow$ 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+)

Chart - Storage

File

Pine River Basin
Reservoir Storage

May 27, 1957

Legend:
- Deep Res 14.4%
- Red Lake 5.2%
- Flat Lake 46.1%
- Sky Canyon 13.0%
- Green Res 21.2%

May 27, 1957

Total Storage = 8,199,880 acre-ft
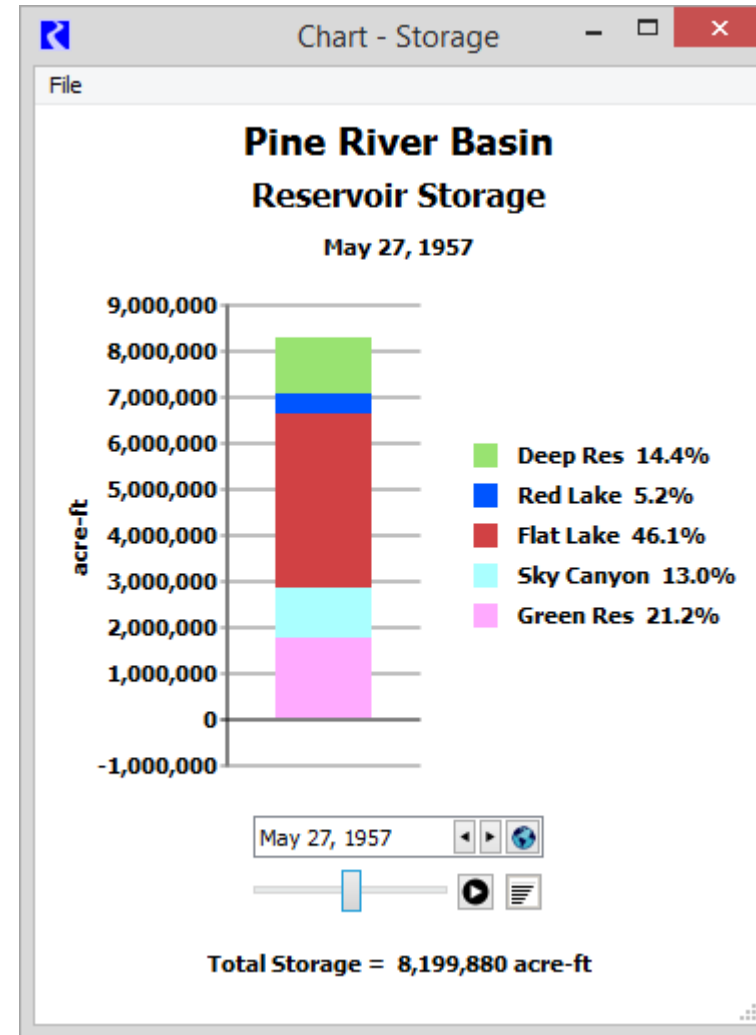
Help Searching

RIVERWARE
Help and Documentation
Main Menu
Version 6.9

Current Release Notes	*Prior Release Notes*

Search

Help Overview	
Accounting	Rulebased Simulation
Batch Mode	Run Control

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

Help Searching

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