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Scripts

- Organize and run sequences of actions.
- Automate many of the tasks involved in operating a model.
- Addresses the following requirements:
 - Complexity
 - Repetition
 - Opacity
 - Repeatability

| | C Script Editor: Experimental Run |
|--|--|
| Dialogo | 🍽 File Edit |
| Dialogs | Script Settings |
| | Setting Value |
| | Name Experimental Run |
| Editor | Description Use the sliders below to adjust the inputs to Green River and Farmers Execute the s |
| Ealtor | |
| | Actions |
| Editor Dashboard | Add Action Clear DMI Values Move Selected Action: Move Selected Action: |
| Dastiboard | Text Type |
| | Set Factors.Diversion Factor's value to 1.0 Set Scalar Slot Value Set Factors.Outflow Value's value to 0.0 cfs Set Scalar Slot Value |
| L | Set Factors. Inflow Factor's value to 1.0 Set Scalar Slot Value |
| | Execute run Execute Run |
| C Script Dashboard: Experimental Run | Generate output device: Baseline Comparison Generate Output Device |
| 🅪 File Edit | |
| Experimental Run | |
| Use the sliders below to adjust the inputs to Green River and Farmers | |
| Execute the script to conduct a simulation and generate a plot comparing to the baseline run. | |
| Set Factors.Diversion Factor's value to 1.0 | |
| Ory (0.5) | |
| O Average (1) | Selected Action Settings (Set Scalar Slot Value) |
| O Wet (1.5) | Setting Value |
| Set Factors.Outflow Value's value to 0.0 cfs | Show in Dashboard Yes Display Text E |
| Use: Override default value Cfs | Slots Factors, Diversion Factor |
| Set Factors.Inflow Factor's value to 1.0 | Value 1.0 |
| Use: 1.0 | Allow Editing Yes: Radio Buttons |
| Execution | Execution |
| | |
| | |
| Status: Ready Current Action: this script is not executi | Status: Ready Current Action: this script is not executing |
| | OK Cancel Apply |

Enhancements

- •Implemented for 6.9
 - Set Dataset File Action

Enhancements for 7.0

- New Actions:
 - Evaluate Expression Slots
 - Open Object
- Set Slot actions:
 - Set NaN
 - Symbolically specified Datetimes
- Enabled/Disabled state is preserved
- Show Ruleset when opened

Upcoming Enhancements

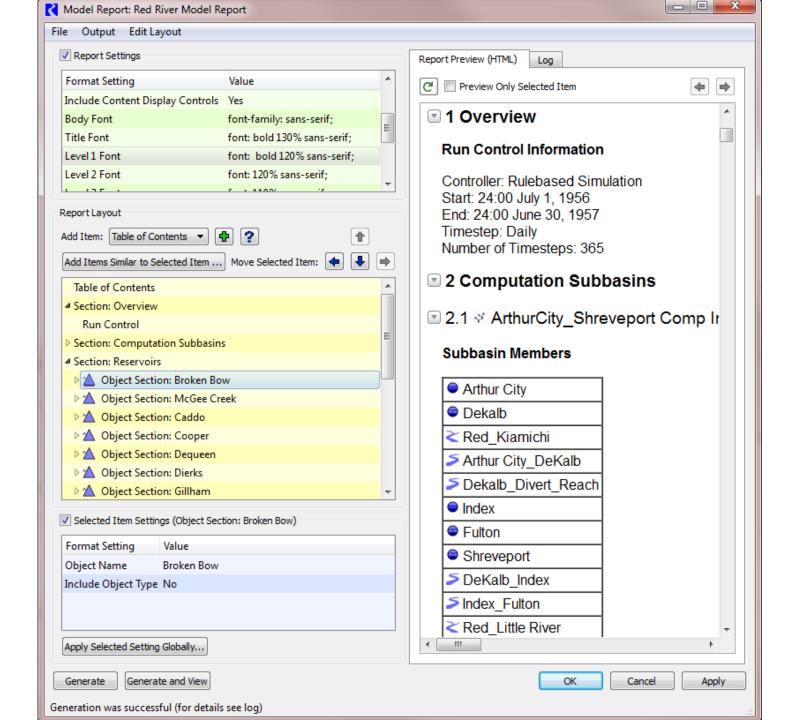
Improve usability to help novice users:

- Open Script Manager when model opens
- Show Script Descriptions
- Group Scripts together
- Create Action Groups
- Import/Export Multiple Scripts
- Action to Change the run timestep

Model Reports

Create a customized HTML file describing various aspects of a model including the configuration, RPL policy, slots, outputs and plots.

"The RiverWare utility is ideal" – Shane Coors 2016



Enhancements for 6.9

- Scalar Slot Grid
- Periodic Slot Table
- Expression Slot RPL display
- Link Table
- Individual RPL Rule/Goal items

• Demo

Upcoming Enhancements

- Show top level RPL statements
- Enhanced Rich Text Editing (sub/super script and tabs)