



Center for Advanced Decision Support for Water and Environmental Systems (CADSWES) UNIVERSITY OF COLORADO BOULDER

Object, Slot, and RPL Viewers

Presenter: Mitch Clement

2018 RiverWare User Group Meeting

February 1-2, 2018

Object Viewer

R Ob	ject Viewer			×
File Edit View Slot Account	Group			
Aspen 🗷 Birch 🗷 Cedar 🛛				▼
🛆 Object: Cedar				
Slots Methods Accounts	Accounting Methods	Attrib	outes	
December 31, 2017			Ø	1~
Slot Name	Value	Units		^
🖾 Inflow	3,040.35	cms		
🖾 Outflow	2,200.00	cms	LI	
🖾 Storage	4,610.42	MCM	ΩØ	
M Pool Elevation	240.00			
M Total Inflows	NaN		ΩØ	
M Inflow Sum	NaN			
M Diversion	NaN			
Diversion Capacity	NaN		stand 81003	
Return Flow	NaN		<u> </u>	
M Spill	NaN		(C) C) C) C) C) C) C) C) C) C) C) C) C) C	
M Release	NaN	cms	ΩØ	
Max Iterations				
 Convergence Percentage Elevation Volume Table 				
Elevation volume rable Max Release				
Available for Diversion	NaN	cmc		
	NaN			
	INDIN	uns	10111201	×
Order: Default	▼	Slots -		

S Opt

CPLEX

Obiect Viewer

88

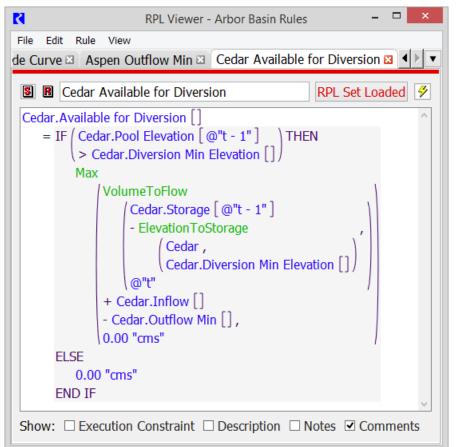
- Objects are tabs in single dialog
- Same functionality as object dialog
- Undock/re-dock objects
- Optionally close slots when closing object
- Reopen with same set of objects

Slot Viewer

R						Slot Viewer							_ □	x
File Edit View T	FimeStep I/C) Adj	ust											
Selected Slot: 🕅 C	edar.Outflov	v											= 🗠	•
Value: 2200										cm	IS Dec 3	31, 2017	•	•
	Aspen .Inflow .Total cms	×	Aspen .Outflow cms	×	Aspen E Pool Elevation	Birch Inflow Total Cms		Birch Outflow	Birch In Pool Elevation	Cedar .Inflow .Total cms	×	Cedar .Outflow cms	X	^
12-31-2017 Sun	NaN (C	3,864.82 I	0	274.56 I 0	3,234.22 0 0		3,083.74 I 0	252.94 I 0	3,040.3	500	2,200.00	I 0	-
01-01-2018 Mon 01-02-2018 Tue 01-03-2018 Wed 01-04-2018 Thu 01-05-2018 Fri 01-06-2018 Sat	1,685.71 1,687.06 1,688.42 1,689.77 1,691.13	0 I 0 I 0 I 0 I 0 I	1,962.74 R 1,681.66 R 1,683.01 R 1,684.37 R 1,685.72 R 1,686.69 R	32 32 32 32 32	273.91 0 25 273.92 0 25 273.93 0 25 273.94 0 28 273.95 0 28 273.96 0 28	1,681.99 O 32 1,683.35 O 32	<u>)</u>))	3,381.05R253,389.30R251,892.47R251,700.00R281,700.00R281,700.00R28	253.00O25253.00O25253.00O25252.96O28252.92O28252.88O28	3,383.1 3,015.0 1,844.3 1,700.0	7 O 25 1 O 25 9 O 25 5 O 28 0 O 28 0 O 28	2,546.73 2,595.86 2,654.39 2,701.82 2,707.59 2,707.99	R 23 R 23 R 23	*
Cedar.Outflow To 370 values: Sum 8				1,5	00.00 Max 3,1	79.87 Range 1,	67	79.87 [cms]						

- Multiple series slots single dialog
- Undock/re-dock
- Create SCT from Slot Viewer

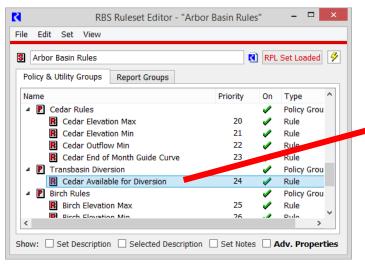
RPL Viewer



- Rules/functions are tabs in single dialog
- Same functionality as rule/function editor
- Undock/re-dock rules/functions
- One RPL Viewer per RPL Set

RPL Viewer – One per Set

Ruleset



Global Functions Set

Edit Set View	
Arbor Basin Functions	a 9
olicy & Utility Groups Report Gro	ups
lame	On Type
F 🔘 OutflowForMaxElevatio	onRules 🖌 Classificanción
F 🔘 OutflowForMinOutflow	Rules 🛛 🗸 Global Function
Diversion Schedules	🖌 Global Utility Group
F 🔘 ForecastInflow	Global Function
F 🕕 DemandCalc	Global Function
F 🔘 MinimumDiversion	Global Function
F 🔘 ShortageEstimate	Global Function
F 🕕 ShortageAllocation	Global Function
Image:	🖌 Global Utility Group
📕 🕼 MaxReleaseGivenChan	nelCapacity 🖌 Global Function 🗸 🗸

Ruleset RPL Viewer



Global Functions RPL Viewer

