# SCT Cell Text Options: Flags, Priorities

RiverWare 5.2

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This document describes an enhancement to the SCT to show Flag Letters and Priority Integers in series slot timestep cells.

#### 1.0 SCT Enhancement: Cell Text Options: Flags and Priorities

Before this enhancement was implemented RiverWare (e.g. version 5.1) presented numeric series data in two different types of tabular display, summarized by this table:

	Used in Dialogs:	Text Content	Background Color	Sample
Type 1:	Open Series Slot, Edit Account, Object Account Summary, Exchange Balance.	Numeric Value Flag Character Optional: - Priority Integer	Grey shading behind Flag Character and Priority Integer.	176.64 0 17 176.58 0 17 176.51 0 17
Type 2:	SCT	Numeric Value	Flag Color (for physi- cal slot flags only).	357.26 350.35 349.86

The SCT has been enhanced to optionally show Flag Characters and Priority Integers in a way similar to the Open Series Slot Dialog (i.e. "Type 1" in the table above). For physical series slot values, the SCT shows the slot timestep's Flag Color as the background for the Numeric Value fields in all three modes.

This SCT's new setting to show Flag Characters and Priority Integers is a temporary setting -*it is not currently saved in the SCT's configuration file.* 

The setting is selected using the new "Cell Text" submenu under the SCT's View menu. *See image*.

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When editing the text in an SCT cell showing the Numeric Value, Flag Character, and possibly the Priority Integer, only the Numeric Value is edited. During the in-cell edit operation, the in-cell editor takes up the entire cell -- not just the Numeric Value display area. To abort an in-cell edit operation, the user can hit the ESC (escape) key.

Screenshots of the SCT in various modes are shown on the following pages.

## 1.1 SCT: Vertical Timestep Axis Orientation

Series Slots	s So	alar Slots 📔 Other S	ilots				
Timester	Day	Abiquiu Reservoir .Inflow cfs	Abiquiu Reservoir .Outflow cfs	Abiquiu Reservoir .Storage m3	Abiquiu Reservoir .Pool Elevation ft	Abiquiu Reservoir .Operating Head ft	Abiquiu Reservoir .Tailwater Elevatio ft
1/1/96	Mon	233.8	8 375.24	269551368.37	6226.93	176.96	6050.0
1/2/96	Tue	242.5	5 385.66	269234500.70	6226.87	176.90	6050.0
1/3/96	Wed	115.0	1 260.89	268864594.34	6226.80	176.84	6050.0
1/4/96	Thu	221.3	8 357.26	268520676.52	6226.74	176.77	6050.0
1/5/96	Fri	214.2	6 350.35	268172276.65	6226.67	176.71	6050.0
1/6/96	Sat	214.3	5 349.86	267825068.38	6226.61	176.64	6050.0
1/7/96	Sun	214.1	5 349.62	267478465.31	6226.54	176.58	6050.0
1/8/96	Mon	202.2	6 328.60	267153241.73	6226.48	176.51	6050.0
1/9/96	Tue	201.6	3 362.01	266743311.21	6226.41	176.44	6050.0
1/10/96	Wed	259.8	7 410.06	266356413.84	6226.33	176.37	6050.0
1211202	>		401.04	045070501-01	(200) of	174.00	

Series Slots	; So	alar Slots	Other !	ölots									
Timester	Day	Abiquiu I .Inflow cfs	Reservoir		ibiquiu Reservoir Outflow fs		Abiquiu Reservoi .Storage m3	r	Abiquiu Reservoi .Pool Elevation ft	r	Abiquiu Reservoir .Operating Head ft		Abiquiu Reservoir .Tailwater Elevatio ft
1/1/96	Mon		233.88	0	375.24	R	269551368.37	0	6226.93	0	176.96	0	6050.00
1/2/96	Tue		242.55	0	385.66	R	269234500.70	0	6226.87	0	176.90	0	6050.00
1/3/96	Wed		115.01	0	260.89	R	268864594.34	0	6226.80	0	176.84	0	6050.00
1/4/96	Thu		221.38	0	357.26	R	268520676.52	0	6226.74	0	176.77	0	6050.00
1/5/96	Fri		214.26	0	350.35	R	268172276.65	0	6226.67	0	176.71	0	6050.00
1/6/96	Sat		214.35	0	349.86	R	267825068.38	0	6226.61	0	176.64	0	6050.00
1/7/96	Sun		214.15	0	349.62	R	267478465.31	0	6226.54	0	176.58	0	6050.00
1/8/96	Mon		202.26	0	328.60	R	267153241.73	0	6226.48	0	176.51	0	6050.00
1/9/96	Tue		201.63	0	362.01	R	266743311.21	0	6226.41	0	176.44	0	6050.00
1/10/96	Wed		259.87	0	410.06	R	266356413.84	0	6226.33	0	176.37	0	6050.00
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Timester Day		Abiquiu R Inflow cfs	Abiquiu Rese .Outflow cfs	ervoir	Abiquiu Reservo .Storage m3				Abiquiu Rese .Operating H ft		Abiquiu Rese .Tailwater Ele ft		
1/1/96	Mon	233.0	8 0 11	375.24	R 17	269551368.37	O 17	6226.93	0.17	176.96	0.17	6050.00	Ι
1/2/96	Tue	242.	5 0 11	385.66	R 17	269234500.70	O 17	6226.87	0 17	176.90	0 17	6050.00	Ι
1/3/96	Wed	115.0	1 0 11	260.89	R 17	268864594.34	O 17	6226.80	0 17	176.84	0 17	6050.00	Ι
1/4/96	Thu	221.3	8 0 11	357.26	R 17	268520676.52	O 17	6226.74	0 17	176.77	0 17	6050.00	Ι
1/5/96	Fri	214.:	6 0 11	350.35	R 17	268172276.65	0 17	6226.67	0 17	176.71	0 17	6050.00	Ι
1/6/96	Sat	214.3	5011	349.86	R 17	267825068.38	0 17	6226.61	0 17	176.64	0 17	6050.00	Ι
1/7/96	Sun	214.	5 0 11	349.62	R 17	267478465.31	0 17	6226.54	0 17	176.58	0 17	6050.00	Ι
1/8/96	Mon	202.:	6 0 10	328.60	R 17	267153241.73	0 17	6226.48	0 17	176.51	0 17	6050.00	Ι
1/9/96	Tue	201.0	3 0 10	362.01	R 17	266743311.21	O 17	6226.41	0 17	176.44	O 17	6050.00	Ι
1/10/96	Wed	259.8	7 0 10	410.06	R 17	266356413.84	O 17	6226.33	0 17	176.37	0 17	6050.00	I
elector.	>			401.04	n 17	045070501-01	A 17	6006 DC	A 17	176-00	A 17	C050-00	2

## 1.2 SCT: Horizontal Timestep Axis Orientation

Serie	s Slots Scalar Slots Other Slots						
	Slot Label	Units	12/31/95 Sun	1/1/96 Mon	1/2/96 Tue	1/3/96 Wed	1
M	Abiquiu Reservoir.Inflow	cfs	NaN	233.88	242.55	115.01	≡
	Abiquiu Reservoir.Outflow	cfs	NaN	375.24	385.66	260.89	
	Abiquiu Reservoir.Storage	m3	269877199.27	269551368.37	269234500.70	268864594.34	
	Abiquiu Reservoir.Pool Elevation	ft	6226.99	6226.93	6226.87	6226.80	
	Abiquiu Reservoir. Operating Head	ft	NaN	176.96	176.90	176.84	
	Abiquiu Reservoir. Tailwater Elevation	ft	6050.00	6050.00	6050.00	6050.00	
M	Abiquiu Reservoir.Power Coefficient	MW/cfs	NaN	0.01	0.01	0.01	
	Abiquiu Reservoir.Hydro Capacity	MW	NaN	16.83	16.83	16.82	
M	Abiquiu Reservoir.Best Hydro Capacity	MW	NaN	16.83	16.83	16.82	
M	Abiquiu Reservoir.Power Plant Cap Fraction	NONE	NaN	1.00	1.00	1.00	
	Abiquiu Reservoir.Plant Power Limit	MW	NaN				~
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Serie	es Slots	Scalar Slots	Other Slots										
	Slot Labe	el			Units	12/31/95 Sun		1/1/96 Mon		1/2/96 Tue		1/3/96 Wed	~
M	Abiquiu R	eservoir.Inflow			cfs	NaN	0	233.88	0	242.55	0	:	
$\mathbb{A}$	Abiquiu R	eservoir.Outflov	v		cfs	NaN	0	375.24	R	385.66	R	é	
$\mathbb{A}$	Abiquiu R	eservoir.Storage	e		m3	269877199.27	0	269551368.37	0	269234500.70	0	2688645	
$\mathbb{A}$	Abiquiu R	eservoir.Pool Ele	evation		ft	6226.99	Ι	6226.93	0	6226.87	0	62	
$\mathbb{A}$	Abiquiu R	eservoir.Operat	ing Head		ft	NaN	0	176.96	0	176.90	0	:	
$\mathbb{A}$	Abiquiu R	eservoir, Tailwat	er Elevation		ft	6050.00	Ι	6050.00	I	6050.00	Ι	6(	
Μ	Abiquiu R	eservoir.Power	Coefficient		MW/cfs	NaN	0	0.01	0	0.01	0		
$\sim$	Abiquiu R	eservoir.Hydro (	Capacity		MW	NaN	0	16.83	0	16.83	0		
M	Abiquiu R	eservoir.Best Hy	ydro Capacity		MW	NaN	0	16.83	0	16.83	0		
M	Abiquiu R	eservoir.Power I	Plant Cap Fracti	on	NONE	NaN	0	1.00	0	1.00	0		
		eservoir.Plant P	ower Limit		MW	NaN	0		0		0		
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Series Slo	lots Scalar Slot	s Other Slots								
Slot	ot Label		Units	12/31/95 Sun		1/1/96 Mon		1/2/96 Tue		^
🕅 Abio	iquiu Reservoir.Infl	ow	cfs	NaN	0	233.88	011	242.55	0 11	
🕅 Abio	iquiu Reservoir.Out	flow	cfs	NaN	0	375.24	R 17	385.66	R 17	
🕅 Abio	iquiu Reservoir.Stoi	rage	m3	269877199.27	00	269551368.37	0 17	269234500.70	O 17	
🕅 Abio	iquiu Reservoir.Poo	l Elevation	ft	6226.99	ΙO	6226.93	0 17	6226.87	O 17	
🕅 Abio	iquiu Reservoir.Ope	erating Head	ft	NaN	0	176.96	0 17	176.90	O 17	
🕅 Abio	iquiu Reservoir, Tailv	water Elevation	ft	6050.00	ΙO	6050.00	ΙO	6050.00	ΙO	
Abic	iquiu Reservoir.Pow	ver Coefficient	MW/cfs	NaN	0	0.01	0 17	0.01	0 17	
🕅 🕅 Abio	iquiu Reservoir.Hyd	iro Capacity	MW	NaN	0	16.83	0 17	16.83	0 17	
Abic	iquiu Reservoir.Bes	t Hydro Capacity	MW	NaN	0	16.83	0 17	16.83	0 17	
Abic	iquiu Reservoir.Pow	ver Plant Cap Fract	ion NONE	NaN	0	1.00	0 17	1.00	0 17	
	iquiu Reservoir.Plar	nt Power Limit	MW	NaN	0		0		0	~
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#### 1.3 SCT: View Menu

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rimescep	Day	cfs		Set Data Co				-00	Fievation	toperaum ft	iy neau	ft	0
1/1/96	Mon		H	Fit Data Col	umns t	o Heade	rs		6226.93		176.96	6050.0	01
1/2/96	Tue		H	Grow Colum	ins to D	)ata			6226.87		176.90	6050.0	DI
1/3/96	Wed		↔	Fit Columns	to Dat	а			6226.80		176.84	6050.0	DI
1/4/96	Thu		₿	Fit Data Col	umns B	ioth			6226.74		176.77	6050.0	DI
1/5/96	Fri			Fit Row Hea	ader Co	lumns			6226.67		176.71	6050.0	DI
1/6/96	Sat			Page Up			PgUp		6226.61		176.64	6050.0	DI
1/7/96	Sun			Page Down			PaDown		6226.54		176.58	6050.0	DI
1/8/96	Mon			Page Left			Alt+PgUp		6226.48		176.51	6050.0	DI
1/9/96	Tue		_	Page Right			Alt+PgDow	n	6226.41		176.44	6050.0	DI
1/10/96	Wed								6226.33		176.37	6050.0	DI
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