

April 14, 2026

**To:** Rosedale-Rio Bravo Water Storage District Board of Directors

**Agenda Item:** 7a

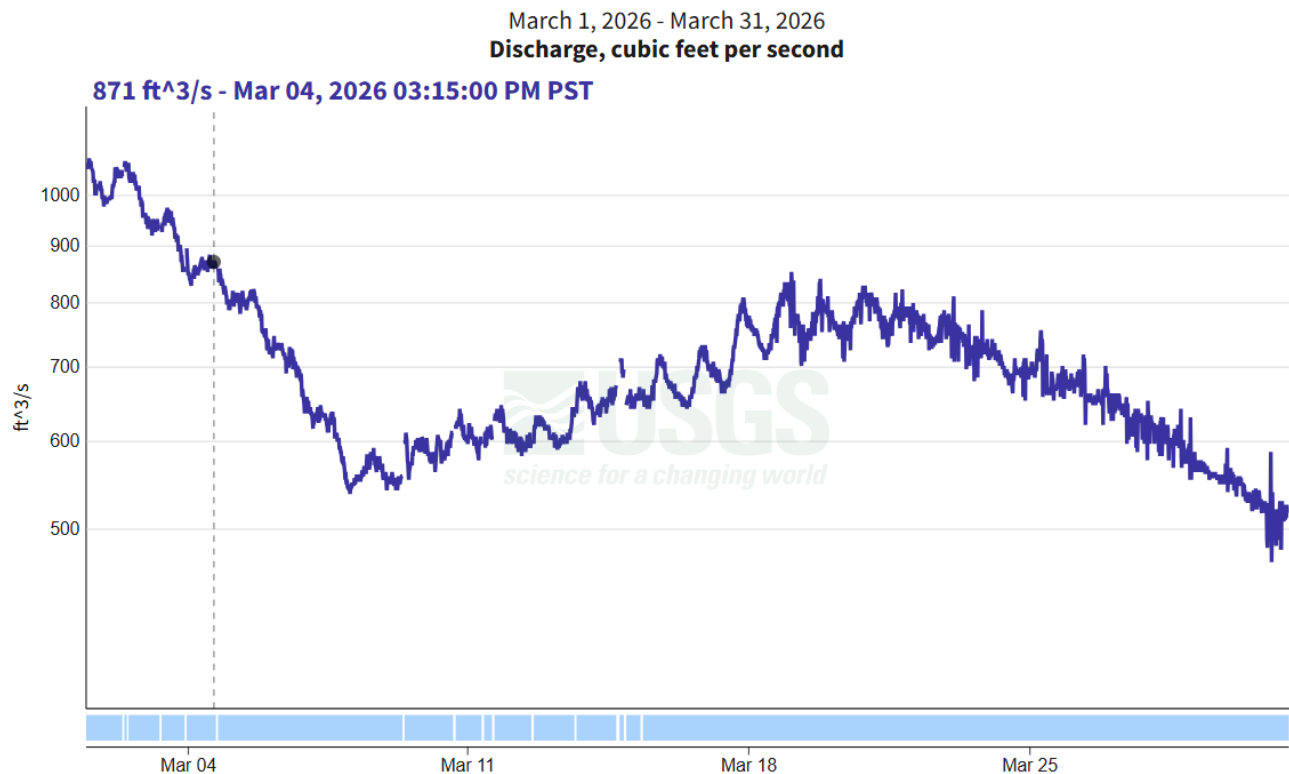
**From:** Dan Bartel

**Re:** Onyx Project Report

This month we:

- Continued operation of conveyance facilities.
- Recorded that USGS verified South Fork station was not completed in March.
- Did not stream gage at Doyle nor Patterson due to high flow conditions.
- Coordinated Project operations with KRI's.
- Harder completed work on model update for 2026 no-injury calculation.
- Staff updated no-injury curve per Harder analysis
- Project operations March 1-31.
- Recorded net project water was 1285 AF.

South Fork flows downstream of Bloomfield averaged 707 cfs plus calculated accretions of 5 cfs, for a total average flow of about 712 cfs.



March-2026

Daily values in SFD = Second Foot Days, Monthly total in AF = Acre-Feet

Date	South Fork				D.Prince (4,5,17,20-22,37)			Hafenfeld (5)	RRBWS (1,3,6,7,12, Wirth1, 30,33, Boone)				J.Nicoll (3)	Audubon (4,5,9,Wirth1,17,18) (20-22,Wirth2,27,29,37)		Smith (2/3 Smith)	RRBWS (1/3 Smith)		Total Diverted	South Fork		RRBWS to Isabella
	Mean Flow	USGS - Onyx @ 0500	Accretions	Doyle Ranch Road	Mill/Hillside	Miller	Prince	Miller	Scodie/Mack	Landers	Nicoll	Redirected "Gross Project Water"	Nicoll	Cottonwood	Nicoll	Total Smith	Smith	Smith	Redirected "Gross Project Water"		Sierra Way "Flow"	Patterson "Flow"
1	1029	1040	5			2.5		2.4			31.7	5.3		3.7	9.4	6.1		3.3	20	Yes	Yes	20.27
2	1021	1060	5			3.0		3.0			31.7	5.4		4.0	9.4	6.1		3.3	22	Yes	Yes	20.27
3	923	945	5			2.8		2.7			31.7	3.1		3.7	8.9	5.6		3.3	21	Yes	Yes	20.27
4	849	853	5			2.7		2.6			31.7	6.0		4.5	8.1	4.8		3.3	24	Yes	Yes	20.27
5	793	811	5			2.6		2.7			31.7	6.1		3.0	8.3	5.0		3.3	24	Yes	Yes	20.27
6	704	730	5			2.6		2.6			31.7	4.4		3.4	7.4	4.1		3.3	22	Yes	Yes	20.27
7	612	636	5			2.6		2.6			31.7	6.5		3.0	7.3	4.0		3.3	24	Yes	Yes	20.27
8	564	554	5			2.5		2.5			31.7	6.2		4.0	8.9	5.6		3.3	26	Yes	Yes	20.27
9	575	544	5			2.6		2.6			31.7	6.0		4.2	9.8	6.5		3.3	26	Yes	Yes	20.27
10	597	568	5			2.7	8.6	2.7		9.3	31.7	6.0		4.1	9.9	7.0		2.9	44	Yes	Yes	20.33
11	613	602	5			2.8	4.4	2.8		17.0	31.7	5.0		4.0	9.6	6.3		3.3	42	Yes	Yes	20.57
12	609	606	5			2.7	4.5	2.6		17.0	31.7	5.5		4.0	9.4	6.1		3.3	42	Yes	Yes	20.57
13	621	602	5			2.6	4.5	2.6		17.0	31.7	5.6		4.2	9.6	6.3		3.3	43	Yes	Yes	20.98
14	657	630	5			2.6	5.9	2.6		17.0	31.7	7.0		4.0	9.8	6.5		3.3	46	Yes	Yes	20.98
15	673	621	5			2.9	6.8	2.8			31.7	4.8		4.0	9.9	7.4		2.5	29	Yes	Yes	20.50
16	678	663	5			3.2	6.5	3.2			31.7	4.7		4.1	9.7	6.4		3.3	28	Yes	Yes	20.98
17	717	697	5			2.7	7.0	2.7			31.7	5.2		3.9	9.6	6.3		3.3	28	Yes	Yes	20.98
18	762	753	5			3.4	6.2	3.4			31.7	5.2		3.9	9.8	6.5		3.3	29	Yes	Yes	20.98
19	776	770	5			3.2	6.0	3.2			31.7	4.8		4.6	8.9	5.6		3.3	27	Yes	Yes	20.98
20	774	759	5			3.0	9.2	2.9			31.7	12.1		4.8	9.9	6.9		3.0	39	Yes	Yes	21.11
21	781	788	5			3.0	6.4	2.9			31.7	10.0		4.6	9.9	7.2		2.7	39	Yes	Yes	20.93
22	761	776	5			3.0	5.8	2.9			31.7	10.0		4.8	9.6	6.3		3.3	38	Yes	Yes	21.29
23	734	725	5			2.9	9.1	2.8			31.7	7.6		4.9	8.5	5.2		3.3	37	Yes	Yes	21.29
24	700	719	5			2.8	8.3	2.8			31.7	8.4		5.8	9.5	6.2		3.3	38	Yes	Yes	21.29
25	688	713	5			3.4	8.3	3.3			31.7	8.2		4.7	9.2	5.9		3.3	38	Yes	Yes	21.29
26		680	5			3.0	8.8	3.0			31.7	8.1		4.8	9.0	5.7		3.3	37	Yes	Yes	21.75
27		663	5			3.1	8.4	3.0			31.7	8.2		5.5	9.8	6.5		3.3	39	Yes	Yes	21.75
28		587	5			3.0	8.5	3.0			31.7	3.5		5.1	9.0	5.7		3.3	29	Yes	Yes	21.75
29		563	5			3.0	9.1	3.0			31.7	3.3		5.3	8.7	5.4		3.3	29	Yes	Yes	21.75
30		549	5			3.0	9.1	2.9			31.7	3.3		5.3	8.4	5.1		3.3	29	Yes	Yes	21.75
31		508	5			3.0	7.8	2.9		15	31.7	2.0		5.0	8.5	5.2		3.3	41	Yes	Yes	21.75
SFD	18,207	21,721	155	0	0	89	159	88	0	0	93	188	135	62	284	183	0	100	996	0	0	648
AF	36,114	43,084	307		0	176	316	174	0	0	184	1,949	268	123	364	364	0	199	1,976	0	0	1,285.16
	728	707	5			492					2,133	372		391	5.9	#DIV/0!		32				

Note:

Cottonwood via the Landers  
 Miller ditch water is being split Prince and Haf. 50/50  
 Redirected Historic Irrigation Demand Limit = 35  
 USGS SFork at 0500  
<https://waterdata.usgs.gov/monitoring-location/11189500/#dataTypeId=continuous-00065-0&period=P7D>  
 Bold ## on USGS denotes USGS gage verification  
 ## South Fork Doyle Ranch Flow measurement, value carries for next week  
 Nicoll RRB diversions riparian Boone deliveries only  
 Prince Ditch opened from maintenance 3/10

**South Fork Kern River Annual Diversion Report - 2026**

All units in AF																								
Date	South Fork		D.Prince (4,5,17,20-22,37)			Hafenfeld (5)	RRBWSD (1,3,6,7,12, Wirth1, 30,33, Boone)			J.Nicoll (3)	Audubon (4,5,9,Wirth1,17,18) (20-22,Wirth2,27,29,37)		Smith (Smith) 2/3	Smith (RRB) 1/3	Total South Fork Diverted All Users	South Fork		RRBWSD (Onyx Project Actual)						
	USGS - Onyx (AF)	Accretions "Estimated"	Mill/Hillside	Miller	Prince	Miller	Scodie/Mack	Landers	Nicoll	Nicoll	Cottonwood	Nicoll	Smith	Smith		Sierra Way "Flow"	Patterson Flow	Redirected "Gross Project Water"	Net Project Water					
January	15,697	307	0	140	0	139	0	18	0	144	343	0	160	0	945	Yes	Yes	599	404.34					
February	13,389	278	0	137	0	135	0	0	0	165	358	67	210	8	1,081	Yes	Yes	819	501.48					
March	42,066	307	0	176	316	174	0	0	184	372	268	123	364	0	1,976	Yes	Yes	2,148	1,285.16					
April																								
May																								
June																								
July																								
August																								
September																								
October																								
November																								
December																								
AF	<b>71,151</b>	893	0	453	316	448	0	18	184	681	968	190	734	8	4,001			3,566	2,191					
																		<b>MAX of 14,000 per 4.3.5</b>						
Note:	Cottonwood via the Landers									Nicoll RRB diversions riparian Boone deliveries only														