

June 9, 2026

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

Agenda Item: 7a

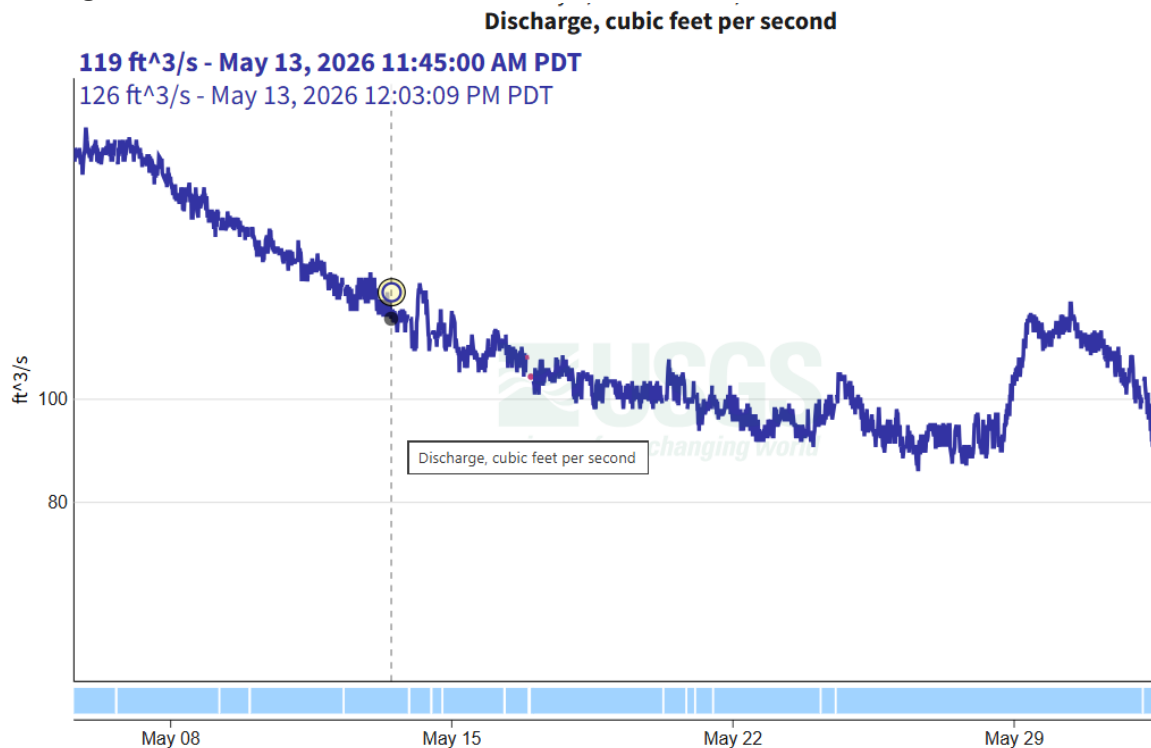
From: Dan Bartel

Re: Onyx Project Report

This month we:

- Continued operation of conveyance facilities.
- Verified that USGS verified South Fork station was completed on May 13.
- Stream gaged at Doyle and Sierra Way May 22.
- Coordinated Project operations with KRI's.
- Evaluating maintenance projects required at Prince Ranch
- Completing water treatment system on stock well. Ready early June.
- Operated Project May 1-31.
- Recorded net project water was 1,673 AF.

South Fork flows downstream of Bloomfield averaged 124 cfs plus calculated accretions of 3 cfs, for a total average flow of about 127 cfs.



May-2026

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

Date	Mean Flow	South Fork			RRB 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)		Total Smith	Smith (2/3 Smith)	RRBWS (1/3 Smith)		Total Diverted	South Fork		RRBWS to Isabella				
		USGS - Onyx @ 0500	Accretions	Doyle Ranch Road	Mill/Hillside	Miller	Prince	Miller	Landers	Cottonwood	Scodie/Mack	Landers	Nicoll	Redirected "Gross Project Water"	Nicoll	Cottonwood	Nicoll		Smith	Smith	Redirected "Gross Project Water"		Sierra Way "Flow"	Patterson "Flow"		"Net Project Water"			
1	176	177	5		5.4	2.4	5.4					39.7	4.0	4.6	4.0	8.9	5.6	0.0	3.3	31	Yes	Yes	27.24						
2	173	172	5		5.4	2.1	5.3					39.7	3.7	4.7	4.0	8.8	5.5	0.0	3.3	31	Yes	Yes	27.24						
3	167	171	5		5.2	2.0	5.2					39.7	3.9	5.5	4.0	8.8	5.5	0.0	3.3	31	Yes	Yes	27.24						
4	164	167	5		6.3	1.7	6.4					39.7	3.0	5.3		8.8	5.5	0.0	3.3	28	Yes	Yes	27.24						
5	165	164	5		5.9	2.2	5.9					39.7	3.0	5.3		8.6	5.3	0.0	3.3	28	Yes	Yes	27.24						
6	168	164	5		5.7	2.8	5.7					39.7	2.9	5.4		8.7	5.4	0.0	3.3	28	Yes	Yes	27.24						
7	162	168	5		5.9	2.5	5.9					39.7	2.8	5.3		8.6	5.3	0.0	3.3	28	Yes	Yes	27.24						
8	150	149	5		5.8	2.3	5.8					39.7	2.7	5.4		8.4	5.1	0.0	3.3	27	Yes	Yes	27.24						
9	142	146	5		5.6	1.3	5.6				8.0	39.7	2.2	5.2		8.3	5.0	0.0	3.3	33	Yes	Yes	27.24						
10	134	135	5		5.3	1.1	5.3				12.0	39.7	2.5	5.5		8.0	4.7	0.0	3.3	36	Yes	Yes	27.24						
11	129	134	5		5.3	0.9	5.3				12.0	39.7	3.1	5.3		8.4	5.1	0.0	3.3	37	Yes	Yes	27.24						
12	127	123	5		5.1	0.5	5.0				12.5	39.7	2.1	5.4		8.7	5.4	0.0	3.3	36	Yes	Yes	27.24						
13	122	120	5		5.1	5.4	5.1				12.5	39.7	2.1	5.4		8.8	5.5	0.0	3.3	41	Yes	Yes	27.37						
14	118	128	5		5.2	7.2	5.2					39.7	3.7	5.2		8.7	5.4	0.0	3.3	32	Yes	Yes	27.37						
15	111	110	5		5.2	7.4	5.2					39.7	3.7	5.2		8.3	5.0	0.0	3.3	32	Yes	Yes	27.37						
16	111	112	5		5.1	7.1	5.1					39.7	3.8	5.2		8.0	4.7	0.0	3.3	31	Yes	Yes	27.37						
17	106	105	5		4.5	4.9	4.4					39.7	3.5	5.1		8.0	4.7	0.0	3.3	27	Yes	Yes	27.37						
18	103	103	5		6.0	7.0	6.0					39.7	4.7	4.8	4.0	9.6	6.3	0.0	3.3	39	Yes	Yes	27.37						
19	101	103	5		4.7	9.1	4.6					39.7	4.8	5.2	4.0	8.9	5.6	0.0	3.3	38	Yes	Yes	27.37						
20	102	101	5		4.6	9.0	4.5					39.7	5.0	5.1	5.3	8.8	5.5	0.0	3.3	39	Yes	Yes	27.37						
21	99	98	5		4.4	8.8	4.5					39.7	5.0	5.1	4.2	8.6	5.3	0.0	3.3	37	Yes	Yes	27.16						
22	95	95	-1	75.6	4.5	8.6	4.5					39.7	5.0	5.0	3.8	7.7	4.4	0.0	3.3	36	Yes	Yes	27.16						
23	95	96	-1		4.6	8.5	4.5					39.7	3.6	5.0		7.7	4.4	0.0	3.3	31	Yes	Yes	27.16						
24	100	96	-1		4.7	8.5	4.6					39.7	3.4	5.0		7.8	4.5	0.0	3.3	31	Yes	Yes	27.16						
25	95	93	-1		4.5	8.7	4.5					39.7	3.4	4.8		9.9	6.6	0.0	3.3	33	Yes	Yes	27.16						
26	91	92	-1		4.2	7.5	4.3					39.7	3.3	5.0		9.4	6.1	0.0	3.3	30	Yes	Yes	27.16						
27	91	91	-1		4.0	8.2	4.1					39.7	3.4	4.8		9.3	6.0	0.0	3.3	31	Yes	Yes	27.16						
28	95	91	-1		4.6	9.3	4.6					39.7	3.4	5.4		9.8	6.5	0.0	3.3	34	Yes	Yes	26.84						
29	114	109	-1		4.5	8.3	4.4					39.7	3.6	5.2		8.4	5.1	0.0	3.3	31	Yes	Yes	26.84						
30	116	120	-1		5.5	9.0	5.5					39.7	3.7	5.2		9.2	5.9	0.0	3.3	35	Yes	Yes	26.84						
31	109	112	-1		3.4	8.9	3.4					39.7	4.8	5.5		8.8	5.5	0	3.3	31	Yes	Yes	26.84						
SFD	3,827	3,845	94	76	0	156	173	156	0	0	0	0	0	0	0	57	1,231	110	160	33	269	166	0	102	1,011	0	0	843	
AF	7,591	7,627	186		0	310	343	309	0	0	0	0	0	0	0	113	2,441	218	318	66		330	0	203	2,006	0	0	1,672.78	
	124	124	3				653					309					2,554	218		384		54	0.0		33				
																						330	0						

Note:

Cottonwood via the Landers

USGS SFork at 0500

Miller ditch water is being split Prince and Haf. 50/50

<https://waterdata.usgs.gov/monitoring-location/11189500/#dataType=continuous-00065-0&period=P7D>

Redirected Historic Irrigation Demand Limit = 43

Bold ## on USGS denotes USGS gage verification

South Fork Doyle Ranch Flow measurement, value carries for next week

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)	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 (Smith) 2/3	Smith (RRB) 1/3	Total South Fork Diverted All Users	South Fork		RRBWS (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
February	13,389	278	0	137	0	135	0	0	0	165	358	67	210	8	1,081	Yes	Yes	819	501
March	43,073	307	0	176	316	174	0	0	184	372	268	123	364	0	1,976	Yes	Yes	2,148	1,285
April	16,539	298	0	221	298	220	0	0	127	362	308	40	338	1	1,913	Yes	Yes	2,201	1,384
May																			
June																			
July																			
August																			
September																			
October																			
November																			
December																			
AF	88,698	1,190	0	674	614	668	0	18	311	1,043	1,276	230	1,072	9	5,915			5,767	3,575

MAX of 14,000 per 4.3.5

Note:

Nicoll RRB diversions riparian Boone deliveries only

Cottonwood via the Landers

**ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT - ONYX RANCH
MONTHLY GROUNDWATER MONITORING RUN
MAY**

2026

Well Name	DATE	Depth to Water (ft)	Notes
Onyx Store - Domestic	5/27/2026	39.9	
Ranch HQ - Domestic	5/27/2026	17.6	
Landers Sand - Old Ag Well	5/27/2026	18.9	
Onyx Store - Old Ag Well	5/27/2026	20.1	
Mack Well	5/27/2026	19.5	
Nicoll Field - Old Ag Well	5/27/2026	12.6	
Mack Field West - Domestic	5/27/2026	11	on
Gibboney-2 Piezo	5/27/2026	9.7	
Gibboney-3 Piezo	5/27/2026	7.5	
Boone Piezo	5/27/2026	4.5	
Lieb Piezo	5/27/2026	10.2	
Pruitt Piezo	5/27/2026	12.7	
Scodie Well	5/27/2026	22.8	
Pruitt Well	5/27/2026	14.8	
Nicoll Well	5/27/2026	12.4	
Mack Piezo	5/27/2026	16.8	
West Onyx Piezo (Top of pipe to the concrete 1.9ft)	5/27/2026	17.4	on
East Onyx Piezo (Top of pipe to the concrete 1.4ft)	5/27/2026	22.4	
Smith Piezo #1	5/27/2026	14.7	
Smith Piezo #2	5/27/2026	14.5	
Smith Piezo #3	5/27/2026	13.3	



Figure 1 District Staff Performing Weekly Stream Gauging at South Fork



Figure 2 Onyx Water Treatment Performing Backflush Cycle