

October 13, 2025

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.
- Worked on fence projects.
- Recorded that the USGS verified South Fork station on September 11.
- Stream gaged at Doyle 3 times and Patterson 12 times to verify net project water.
- Coordinated Project operations with KRI's.
- Harder is working on model update for 2026 no-injury calculation.
- Redirected flows September 1-30. Net project water was 306 AF
- Received proposal for stockwater well iron treatment services.
- Discussed conservation easement options with Audubon.

South Fork flows downstream of Bloomfield averaged 18 cfs plus calculated accretions of 1 cfs, for a total average flow of about 19 cfs.



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

September-2025

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)		Total Smith	Smith (2/3 Smith)	RRBWSD (1/3 Smith)		Total Diverted	South Fork		RRBWSD 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		Smith	Smith	Redirected "Gross Project Water"		Sierra Way "Flow"	Patterson "Flow"	
1	17	17	3							1.1		5.1	2.5			4.9	1.6	0.0	3.3	5	Yes	Yes	5.68
2	16	16	3							1.1		5.1	2.0			4.7	1.4	0.0	3.3	5	Yes	Yes	5.68
3	16	16	3							1.1		5.1	2.5			4.7	1.4	0.0	3.3	5	Yes	Yes	5.68
4	16	16	3							1.0		5.2	2.3			4.3	1.0	0.0	3.3	4	Yes	Yes	5.75
5	16	16	-1	13.6						1.1		3.0	2.5			4.2	0.9	0.0	3.3	5	Yes	4.47	4.26
6	15	15	-1							1.1		2.4	1.6			4.2	0.9	0.0	3.3	4	Yes	4.01	3.85
7	15	15	-1							1.1		2.4	1.4			4.2	0.9	0.0	3.3	3	Yes	Yes	3.85
8	15	15	-1							1.1		2.4	1.2			3.8	0.5	0.0	3.3	3	Yes	Yes	3.85
9	15	16	-1							1.2		2.9	0.0			4.4	1.1	0.0	3.3	2	Yes	4.18	4.19
10	15	16	-1							1.1		3.0	0.0			4.1	0.8	0.0	3.3	2	Yes	**4.32 / 4.75	4.25
11	15	16	-1							1.2		2.9	0.0			4.2	0.9	0.0	3.3	2	Yes	6.38 / 6.2 (CBK meas.)	4.19
12	15	15	0							1.1		3.1	0.0			4.2	0.9	0.0	3.3	2	Yes	7.46	4.29
13	16	16	1							1.2		3.9	0.0			4.4	1.1	0.0	3.3	2	Yes	Yes	4.86
14	16	16	1							1.1		4.0	0.0			4.1	0.8	0.0	3.3	2	Yes	Yes	4.93
15	16	16	1							1.2		3.9	0.0			4.1	0.8	0.0	3.3	2	Yes	Yes	4.86
16	16	16	1							1.1		4.0	2.0			4.3	1.0	0.0	3.3	4	Yes	Yes	4.93
17	15	16	1							1.0		4.1	0.0			4.1	0.8	0.0	3.3	2	Yes	6 (CBK meas.)	5.00
18	16	15	1							0.9		3.7	1.8			3.7	0.4	0.0	3.3	3	Yes	Yes	4.73
19	22	16	2							1.1		4.5	2.3			5.1	1.8	0.0	3.3	5	Yes	Yes	5.24
20	26	29	2							1.8		7.3	2.6			7.0	3.7	0.0	3.3	8	Yes	12.1	7.14
21	24	24	2							1.6		4.6	2.3			6.4	3.1	0.0	3.3	7	Yes	Yes	5.33
22	23	24	2							1.2		5.0	2.3			6.1	2.8	0.0	3.3	6	Yes	Yes	5.60
23	21	22	2							1.2		5.0	2.2			5.6	2.3	0.0	3.3	6	Yes	Yes	5.60
24	19	20	2	20.6						1.1		5.1	2.1			5.1	1.8	0.0	3.3	5	Yes	11.2(RRB) / 10.6 (CBK)	5.67
25	20	18	3							1.2		5.0	2.0			4.9	1.6	0.0	3.3	5	Yes	Yes	5.62
26	20	20	3	18.7						1.1		5.1	3.0			4.9	1.6	0.0	3.3	6	Yes	10.37	5.67
27	21	20	3							1.1		5.1	3.0			5.0	1.7	0.0	3.3	6	Yes	Yes	5.67
28	23	22	3							1.1		5.1	3.1			5.2	1.9	0.0	3.3	6	Yes	Yes	5.67
29	28	25	3			2.5		2.5		1.4		5.6	2.9			6.9	3.6	0.0	3.3	13	Yes	Yes	6.01
30	25	26	3			2.4		2.5		1.1		6.5	3.1			6.2	2.9	0.0	3.3	12	Yes	Yes	6.62
SFD	550	547	41		0	5	0	5	0	35	0	130	51	0	0		48	0	99	141	0	0	154.63
AF	1,091	1,086	81		0	10	0	10	0	69	0	258	101	0	0		91	0	196	280	0	0	306.71
		18	1			10						327	101		0		1.5	0.0		5			7.12
																	91	0					5.15

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/#dataTypeId=continuous-00065-0&period=P7D>

Redirected Historic Irrigation Demand Limit = 26

Bold ## on USGS denotes USGS gage verification

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

09/06 District measured 4 cfs at Patterson, hence adjusted accretions down to -1

**Two stream gauge measurements performed to study daily fluctuations. 8:30 AM = 4.32 CFS 14:30PM = 4.75 CFS
9/17 Nicoll ditch off for new meter installation
09/24 Calculated accretions at 5 cfs..adjusted accretions to 3 cfs to be conservative
09/29 night thunderstorm jumped flow to 34 cfs, 0500 flow to 28.6 cfs which was dropping. Used 25 cfs to be conservative.