

TO: Rosedale-Rio Bravo Water Storage District Board of Directors
Agenda Item 7.a.i

FROM: Dan W. Bartel

DATE: September 16, 2024

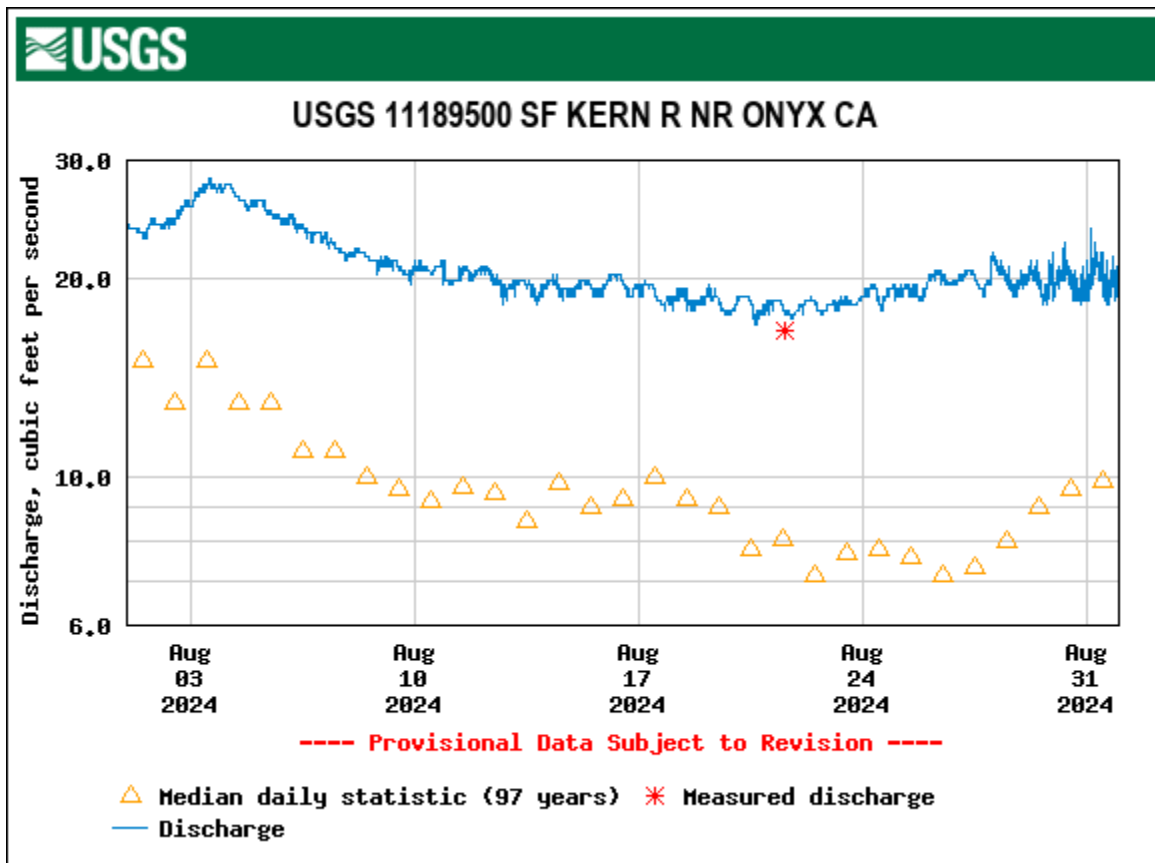
RE: Onyx Ranch Operations Report

Discussion:

Staff has:

- Continued operation of conveyance facilities
- USGS verified the South Fork station on August 21
- Staff stream gaged four times during the month
- Staff continue summer fencing replacement projects
- Staff continued working on the shop

South Fork flows downstream of Bloomfield averaged 21 cfs plus calculated accretions of 1 cfs, for a total average flow of about 22 cfs.



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

August-2024

Date	Mean Flow	South Fork			D.Prince (4,5,17,20-22,37)			Hafenfeld (5)			RRBWS (1,3,6,7,12, Wirth1, 30,33, Boone,1/3 Smith)				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	Simulated Per Project Parameters	
		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	Total Smith	Smith	Smith	Redirected "Gross Project Water"	Sierra Way "Flow"	Patterson "Flow"	"Net Project Water"	Redirected "Gross Project Water"	"Net Project Water"	
1	24	24	7			4.2		4.3				8.0	3.9	0.0			3.3	2.2	1.1	0	24			0	12.4	9	
2	25	24	2	10		3.6		3.5				9.5	3.7	0.0			2.8	1.9	0.9	0	23			0	9.5	7	
3	27	27	2			6.6		6.6				11.0		0.0	4.6		3.3	2.2	1.1	0	32			0	10.9	8	
4	27	28	2			4.2		4.2				10.5		0.0	4.6		3.0	2.0	1.0	0	26			0	12.4	9	
5	25	26	2			3.6		3.6				10.0		0.0	3.1		2.8	1.8	0.9	0	23			0	10.3	8	
6	24	25	2			3.5		3.5				10.0		0.0	3.5		2.7	1.8	0.9	0	23			0	9.5	7	
7	22	23	2			3.9		3.9				10.0		0.0	2.8		2.3	1.6	0.8	0	23			0	9.5	7	
8	21	22	2			4.4		4.4				8.5		0.0	3.9		2.4	1.6	0.8	0	24			0	9.5	7	
9	21	21	2			4.1		4.0				10.0		0.0	2.2		2.0	1.3	0.7	0	22			0	9.5	7	
10	21	21	2			4.1		4.0				10.0		0.0	2.2		1.7	1.1	0.6	0	22			0	9.5	7	
11	20	20	2			4.0		4.1				10.0		0.0	2.0		1.6	1.1	0.5	0	22			0	9.5	7	
12	20	21	2			3.3		3.3				10.0		0.0	2.1		1.8	1.2	0.6	0	21			0	9.5	7	
13	19	20	1	7.9		3.0		3.0				9.0	2.0	0.0			1.6	1.1	0.5	0	19			0	9.5	7	
14	19	20	1			2.8		2.9				9.0	1.9	0.0			1.9	1.3	0.6	0	19			0	9.5	7	
15	19	20	1			3.0		3.1				8.5	1.8	0.0			1.5	1.0	0.5	0	18			0	9.5	7	
16	20	20	0	7.2		3.2		3.1				10.0	1.5	0.0			1.9	1.3	0.6	0	20			0	9.5	7	
17	19	20	0			3.2		3.1				10.0	1.4	0.0			1.1	0.7	0.4	0	19			0	9.5	7	
18	19	19	0			3.0		3.0				10.0	1.4	0.0			1.3	0.9	0.4	0	19			0	9.5	7	
19	18	19	0			3.1		3.1				10.0		0.0	1.5		1.3	0.9	0.4	0	19			0	9.5	7	
20	18	18	0			2.9		2.9				9.5		0.0	1.4		1.3	0.9	0.4	0	18			0	9.5	7	
21	18	19	0			3.3		3.3				9.5	3.3	0.0	1.4		1.2	0.8	0.4	0	20			0	9.5	7	
22	18	19	0			3.4		3.4				9.5		0.0	1.4		1.0	0.7	0.3	0	19			0	9.5	7	
23	18	18	1	7.2		3.5		3.5				9.5		0.0	1.2		1.3	0.9	0.4	0	20			0	9.5	7	
24	19	19	1			3.4		3.4				9.5		0.0	0.5		0.5	0.3	0.2	0	18			0	9.5	7	
25	19	19	1			3.4		3.4				9.5		0.0	1.5		0.0	0.0	0.0	0	18			0	9.5	7	
26	20	20	1			3.5		3.5				9.5		0.0	1.4		1.0	0.7	0.3	0	19			0	9.5	7	
27	20	20	1			3.6		3.6				9.5		0.0	1.4		1.9	1.2	0.6	0	21			0	9.5	7	
28	20	21	1			3.5		3.5				9.5		0.0	1.4		2.2	1.5	0.7	0	22			0	9.5	7	
29	20	20	1			3.2		3.2				10.5		0.0	1.2		1.7	1.1	0.6	0	21			0	9.5	7	
30	20	21	1			3.1		3.1				10.5		0.0	1.2		1.5	1.0	0.5	0	20			0	9.5	7	
31	20	21	1			3.2		3.2				10.0		0.0	0.9		1.2	0.8	0.4	0	19			0	9.5	7	
SFD	699	653	40		0	110	0	110	0	0	0	301	18	0	47	0	37	18	0	0	650	0	0	0	303	222	
AF	1,266	1,296	80		0	219	0	219	0	0	0	596	35	0	94	0	73	36	0	0	1,290	0	0	0	600	441	
		21	1			219						219		631		94		73	36		21			0.0			

Note: Miller ditch water is being split Prince and Haf. 50/50
 Redirected Historic Irrigation Demand Limit = 43
 Bold ## on USGS denotes USGS gage verification
 Prince head needs flood repairs hence low flows
 Nicoll head requires repair from flood damage and impacting Mack and Nicoll diversion starting 7/1. Turned on well instead and will repair in the fall