

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

FROM: Dan W. Bartel

DATE: October 8, 2024

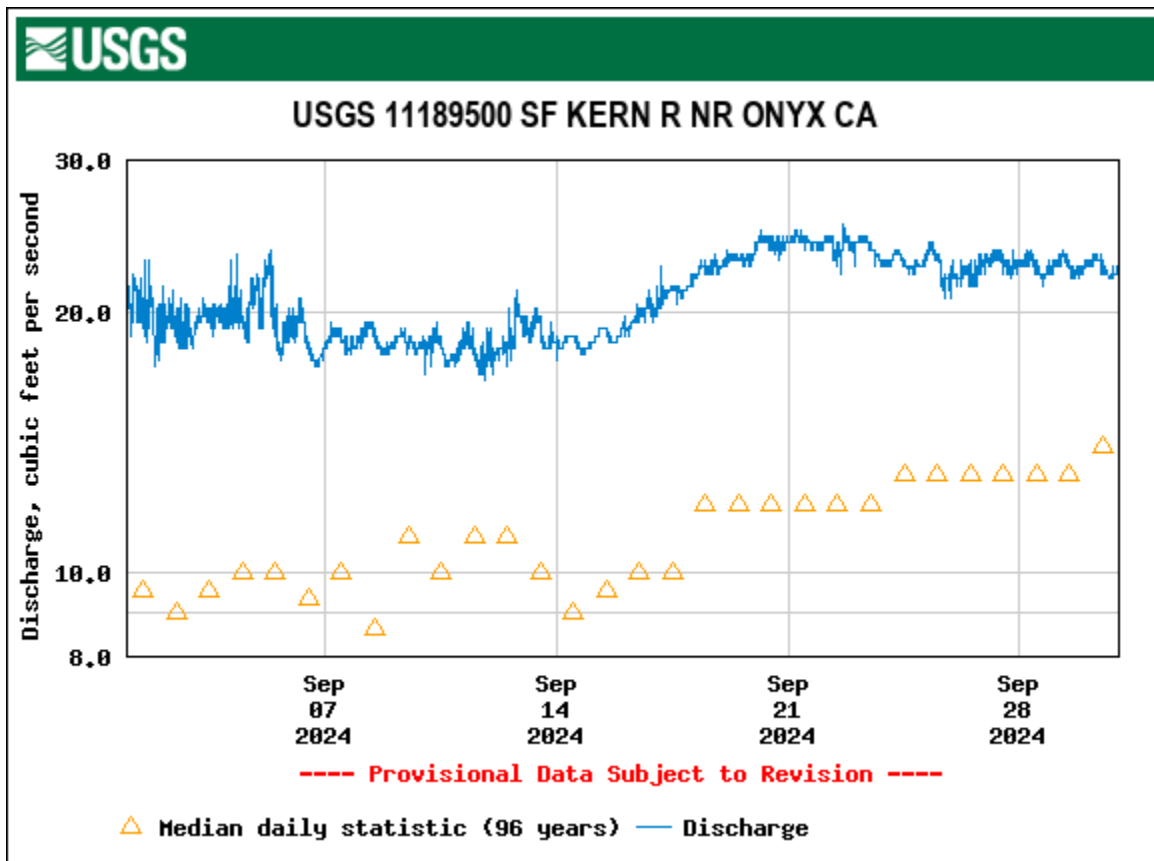
RE: Onyx Ranch Operations Report

Discussion:

Staff has:

- Continued operation of conveyance facilities
- USGS did not verify the South Fork station in September
- Staff stream gaged three times during the month
- Staff continued working on the domestic well discharge and SCE connection
- Staff continued working on the shop

South Fork flows downstream of Bloomfield averaged 21 cfs plus calculated accretions of 2 cfs, for a total average flow of about 23 cfs.



September-2024																																	
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,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									
	Mean Flow	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	20	22	1				2.7					10.0		0.0				1.4	0.9		0.5			17			0			9.5	7		
2	19	19	1				3.0					10.0		0.0				1.9	1.3		0.6			19			0			9.5	7		
3	20	20	1				2.9					10.5		0.0				1.5	1.0		0.5			19			0			9.5	7		
4	20	21	-1	7			2.8					10.5		0.0				1.4	0.9		0.5			18			0			9.5	7		
5	20	22	-1				2.7					10.0		0.0				1.4	0.9		0.5			18			0			9.5	7		
6	19	20	-1				2.8					10.0		0.0				1.3	0.8		0.4			17			0			9.5	7		
7	19	19	-1				3.2					10.0		0.0				1.3	0.8		0.4			19			0			9.5	7		
8	19	19	-1				2.0					10.0		0.0				1.0	0.7		0.3			16			0			9.5	7		
9	18	19	-1				2.5					10.0		0.0				1.3	0.9		0.4			17			0			9.5	7		
10	18	18.2	-1				2.5					10.5		0.0				1.5	1.0		0.5			18			0			9.5	7		
11	18	19	-1				2.4					10.5		0.0				1.8	1.2		0.6			18			0			8.9	7		
12	19	18	-1				1.6					14.0		0.0				1.4	0.9		0.5			19			0			8.4	6		
13	19	18		6.1			1.5					14.0		0.0				1.3	0.8		0.4			18			0			9.5	7		
14	18	19					1.8					14.0		0.0				1.4	1.0		0.5			19			0			9.5	7		
15	19	19					1.9					14.0		0.0				1.4	0.9		0.5			19			0			9.5	7		
16	20	19					1.7					14.0		0.0				1.5	1.0		0.5			19			0			9.5	7		
17	21	21					2.2					14.0		0.0				1.8	1.2		0.6			20			0			9.5	7		
18	22	21					2.2					14.0		0.0				2.2	1.4		0.7			20			0			9.5	7		
19	23	23					2.0					14.0		0.0				2.2	1.5		0.7			20			0			9.5	7		
20	24	24					3.7					16.0		0.0				2.8	1.8		0.9			26			0			9.5	7		
21	24	24					4.3					16.0		0.0				2.7	1.8		0.9			27			0			9.5	7		
22	24	25					4.1					15.0		0.0				2.6	1.7		0.9			26			0			10.3	8		
23	24	25					4.3					15.0		0.0				2.7	1.8		0.9			26			0			10.3	8		
24	23	23					4.2					15.0		0.0				2.5	1.6		0.8			26			0			9.5	7		
25	23	23					4.2					15.0		0.0				2.4	1.6		0.8			26			0			9.5	7		
26	22	22		8.1			4.1					14.0		0.0				2.3	1.6		0.8			24			0			9.5	7		
27	23	23					4.1					14.0		0.0				2.3	1.5		0.8			26			0			9.5	7		
28	23	22					4.1					14.0		0.0				2.3	1.5		0.8			26			0			9.5	7		
29	23	23					4.3					14.0		0.0				2.1	1.4		0.7			26			0			9.5	7		
30		23					4.3					14.0		0.0				2.4	1.6		0.8			27			0			9.5	7		
SFD	603	632	47				0	90	0	90	0	0	0	0	10	0	0		37	19	0		637	0	0	0			285	209			
AF	1,196	1,253	94				0	178	0	178	0	0	0	0	20	0	0		74	37	0		1,264	0	0	0			565	415			
			21					178				178							1.2	0.6			21										
																			74	37													

Note: Miller ditch water is being split Prince and Haf. 50/50
 Redirected Historic Irrigation Demand Limit = 43
 USGS SFork at 0500

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

Bold ## on USGS denotes USGS gage verification
 All estimates on this date... no District staff members collected diversion readings