

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

FROM: Dan W. Bartel

DATE: May 14, 2024

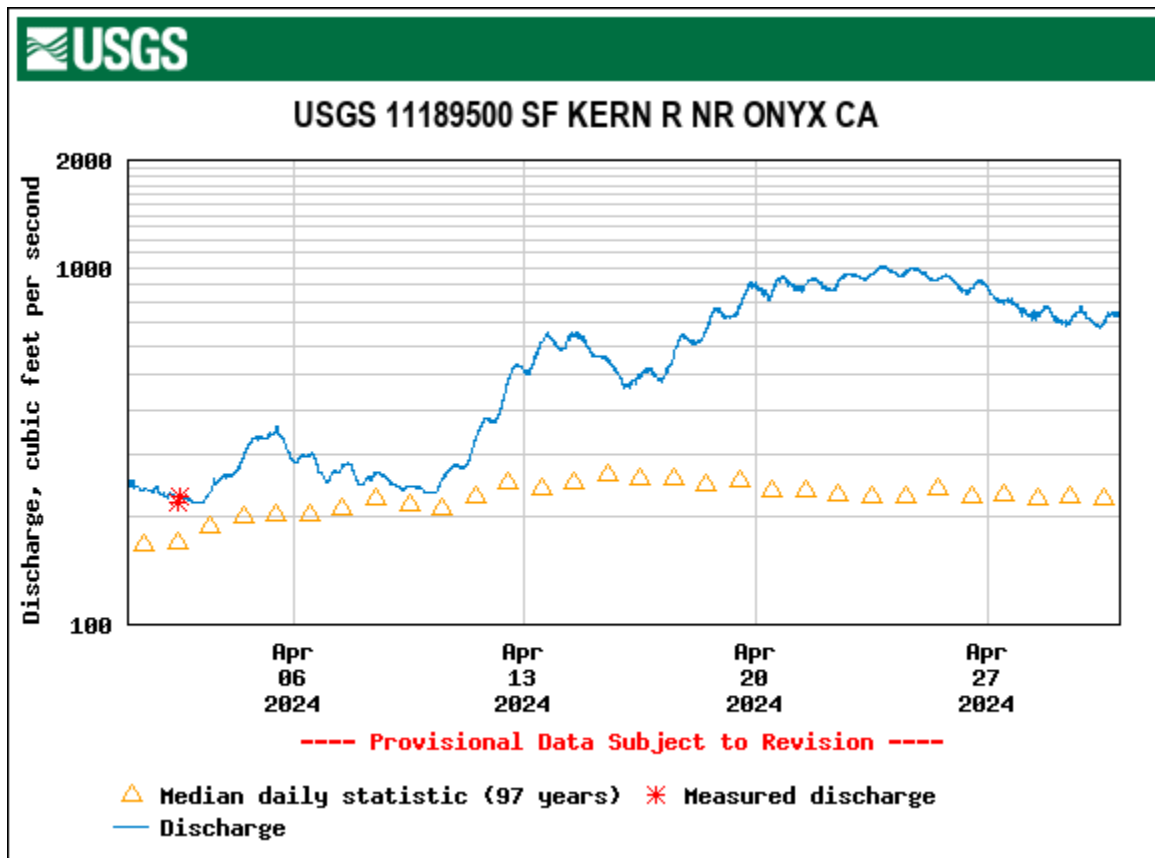
RE: Onyx Ranch Operations Report

Discussion:

Staff has:

- Continued operation of conveyance facilities
- Irrigation activities resumed April 10 after precipitation event.
- USGS verified the South Fork station on April 2.
- Harder updated project flow model.
- Staff did not stream gage during the month due to high flows.
- Staff placed new concrete slab for shop replacement.
- Contractor install shop.

South Fork flows downstream of Bloomfield averaged 551 cfs plus calculated accretions of 8 cfs, for a total average flow of about 559 cfs.





April-2024

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

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)				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		% Redire
		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"	"Net Project Water"	Redirection "Gross Project Water"	"Net Project Water"		
1	240	242	8.0			8.9	8.2	8.9				0.0	4.9	8.0		7.3	3.7	0.0	46	Yes	Yes	0	0.0	0	69.6%
2	227	225	8.0			8.8	8.0	8.9				0.0	5.1	8.0		7.0	3.5	0.0	46	Yes	Yes	0	0.0	0	69.6%
3	238	221	8.0			9.1	13.6	9.1				0.0	5.0	8.0		6.8	3.4	0.0	52	Yes	Yes	0	0.0	0	69.6%
4	296	265	8.0			10.7	13.0	10.7				0.0	5.2	8.0		7.9	4.0	0.0	56	Yes	Yes	0	0.0	0	69.6%
5	329	333	8.0			8.9	15.0	8.9				0.0	4.4	7.5		9.0	4.5	0.0	54	Yes	Yes	0	0.0	0	69.6%
6	285	295	8.0			7.5	15.0	7.5				0.0	4.2	8.0		8.6	4.3	0.0	51	Yes	Yes	0	0.0	0	69.6%
7	268	267	8.0			7.8	14.0	7.8				0.0	4.3	7.0		7.8	3.9	0.0	49	Yes	Yes	0	0.0	0	69.6%
8	257	256	8.0			7.1	14.0	7.1				0.0	4.2	7.0		7.4	3.7	0.0	47	Yes	Yes	0	0.0	0	69.6%
9	242	240	8.0			7.5	14.0	7.5				0.0	4.1	7.0		7.1	3.6	0.0	47	Yes	Yes	0	0.0	0	71.3%
10	254	233	8.0			6.6	15.0	6.6	16.2	5.0	4.5	0.0		5.0		7.2	3.6	0.0	66	Yes	Yes	0	37.0	26	71.3%
11	324	276	8.0			6.7	15.0	6.7	17.0	6.0	9.8	0.0		6.0		8.0	4.0	0.0	75	Yes	Yes	0	37.0	27	72.8%
12	461	381	8.0			8.4	15.0	8.4	14.0	5.0	15.5	0.0		6.0		11.8	5.9	0.0	84	Yes	Yes	0	37.0	27	72.8%
13	587	532	8.0			8.5	15.0	8.5	14.0	6.0	13.5	0.0		5.0		7.0	3.5	0.0	77	Yes	Yes	0	37.0	27	72.8%
14	622	598	8.0			6.2	17.0	6.2	12.5	5.0	8.2	0.0		5.0		7.1	3.5	0.0	67	Yes	Yes	0	37.0	27	72.8%
15	539	562	8.0			6.2	17.0	6.2	12.3	6.0	9.3	0.0		4.0		6.9	3.4	0.0	68	Yes	Yes	0	37.0	27	72.8%
16	493	476	8.0			6.0	14.9	6.0	12.3	6.0	9.8	0.0		4.0		6.7	3.1	0.0	66	Yes	Yes	0	37.0	27	72.8%
17	566	492	8.0			5.8	9.5	5.8	12.8	6.0	12.1	0.0		3.0		6.5	3.2	0.0	62	Yes	Yes	0	37.0	27	72.8%
18	683	617	8.0			6.2	10.1	6.2	12.3	6.0	11.7	0.0		3.0		6.9	3.4	0.0	62	Yes	Yes	0	37.0	27	72.8%
19	799	727	8.0			6.2	13.6	6.2	12.3	13.0	14.5	0.0		5.0		7.4	3.7	0.0	78	Yes	Yes	0	37.0	27	72.8%
20	884	845	8.0			6.5	15.0	6.5	12.9	14.0	12.8	0.0		7.0		4.6	2.3	0.0	79	Yes	Yes	0	37.0	27	73.1%
21	900	881	8.0			6.2	15.0	6.2	12.8	14.0	14.1	0.0		6.0		4.7	2.3	0.0	79	Yes	Yes	0	37.0	27	73.1%
22	913	874	8.0			5.8	15.0	5.8	13.6	14.0	12.7	0.0		6.0		5.2	2.6	0.0	78	Yes	Yes	0	37.0	27	73.1%
23	966	935	8.0			6.2	16.1	6.1	12.2	10.0	13.4	0.0		7.0		4.8	2.4	0.0	76	Yes	Yes	0	37.0	27	73.1%
24	976	972	8.0			5.6	10.9	5.7	12.6	16.0	11.3	0.0	5.3	7.0		4.5	2.3	0.0	79	Yes	Yes	0	37.0	27	73.1%
25	939	939	8.0			5.0	16.2	5.0	13.8	17.0	10.2	0.0	6.2	6.0		7.1	3.5	0.0	86	Yes	Yes	0	37.0	26	70.4%
26	887	874	8.0			4.7	15.0	4.7	13.5	16.0	15.7	0.0		5.0		7.7	3.9	0.0	82	Yes	Yes	0	37.0	26	70.4%
27	811	824	8.0			5.5	15.0	5.6	13.3	10.0		0.0	10.6	6.0	5.0	7.5	3.7	0.0	79	Yes	Yes	0	37.0	26	70.4%
28	748	734	8.0			5.0	15.0	5.0	13.3	10.0		0.0	8.0	6.0	5.0	7.1	3.6	0.0	74	Yes	Yes	0	37.0	26	70.4%
29	724	707	8.0			5.0	15.0	5.1	13.8	10.0		0.0	7.4	6.0	5.5	7.1	3.6	0.0	75	Yes	Yes	0	37.0	26	70.4%
30	716	700	8.0			5.1	15.0	5.2	13.6	11.0		0.0	8.4	5.0	6.0	7.1	3.6	0.0	76	Yes	Yes	0	37.0	26	70.4%
SFD	17,172	16,523	240		0	203	420	204	281	206	199	0	87	182	22	212	106	0	2,016			0	777	560	
AF	34,060	32,773	476		0	404	833	405	557	409	395	0	173	360	43	420	210	0	3,998			0	1,541	1,111	

Note: Cottonwood via the Landers
 Redirected Historic Irrigation Demand Limit = 37
 ## Saturday South Fork Doyle Ranch Flow measurement, value carries for next week Tuesday-Monday.
 Numbers under Patterson Lane signifies RRB Staff flowtracking
 USGS SFork at 0500

All month full irrigation deliveries to ranch

Bold ## on USGS denotes USGS gage verification