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

FROM: Dan W. Bartel

DATE: July 9, 2024

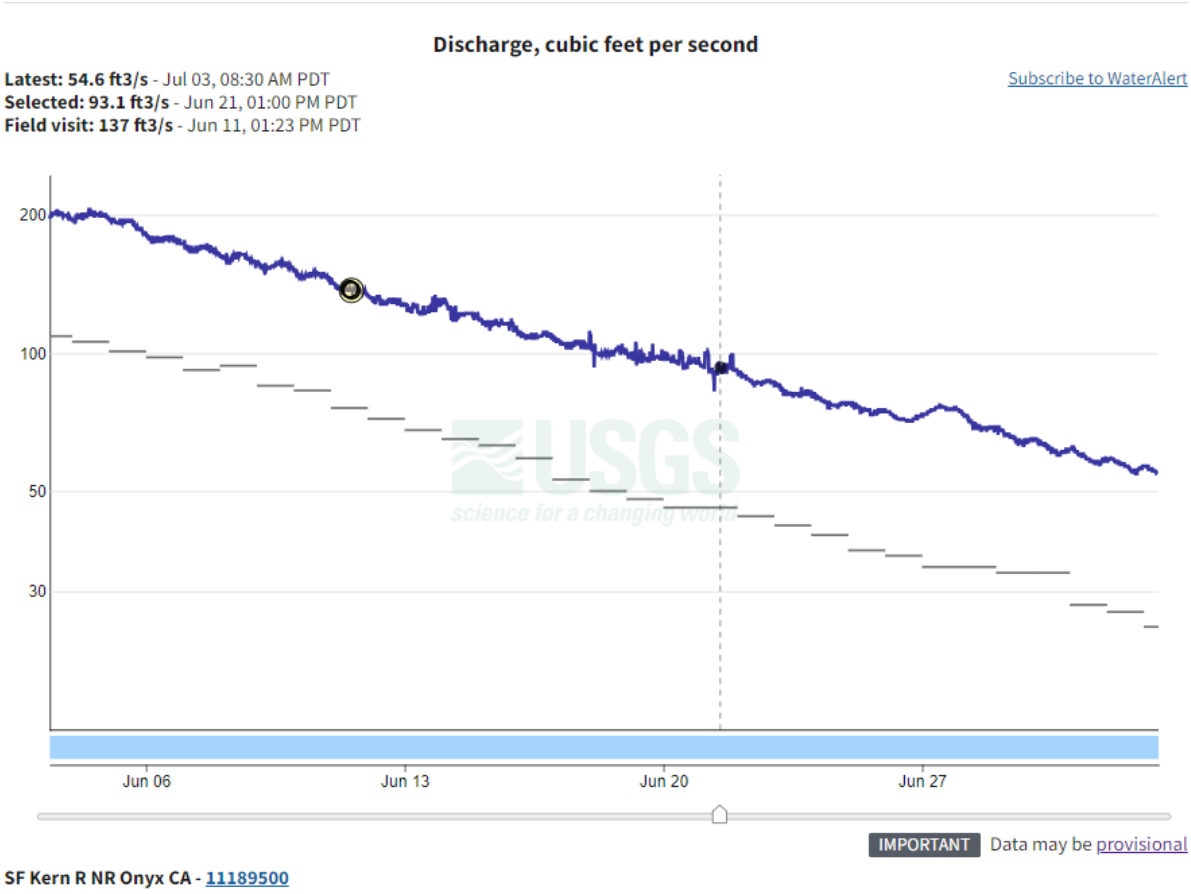
RE: Onyx Ranch Operations Report

Discussion:

Staff has:

- Continued operation of conveyance facilities
- USGS verified the South Fork station on June 11
- Staff stream gaged twice during the month
- Staff continue summer fencing replacement projects
- Staff began placing insulation in shop

South Fork flows downstream of Bloomfield averaged 117 cfs plus calculated accretions of 4 cfs, for a total average flow of about 121 cfs.



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

June-2024

Date		South Fork			D.Prince (4,5,17,20-22,37)			Hafenfeld (5)			RRBWSD (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)	RRBWSD (1/3 Smith)		Total Diverted	South Fork		RRBWSD 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	196	196	8			4.7	10.0	4.6			16.2	13.0	2.0	0.0	12.0	5.0		12.9	8.6	4.3	0	80	Yes	Yes	0	43.0	32
2	191	192	8			5.0	11.0	5.0			15.0	15.0		0.0		6.0	7.4	11.7	7.8	3.9	0	76	Yes	Yes	0	43.0	32
3	183	184	8			4.4	11.0	4.5			15.0	15.0		0.0		6.0	8.2	12.8	8.5	4.3	0	77	Yes	Yes	0	43.0	32
4	182	184	8			4.4	8.0	4.3			15.0	10.0		0.0		6.0	6.5	13.0	8.7	4.3	0	67	Yes	Yes	0	43.0	32
5	173	175	8			4.7	10.0	4.8			17.9	9.5	7.5	0.0		5.5		12.6	8.4	4.2	0	73	Yes	Yes	0	43.0	32
6	159	156	8			4.4	10.0	4.3			17.1	11.0	7.5	0.0		4.0		12.4	8.3	4.1	0	71	Yes	Yes	0	43.0	32
7	151	151	8	101		4.5	10.0	4.5			16.9	8.0	8.5	0.0		7.0		11.5	7.7	3.8	0	71	Yes	Yes	0	43.0	32
8	143	144	8			4.2	9.0	4.2			16.8	9.0	8.5	0.0		7.0		10.9	7.3	3.6	0	70	Yes	Yes	0	43.0	32
9	137	134	8			4.0	10.0	4.0			17.3	8.0	9.0	0.0		7.0		10.7	7.1	3.6	0	70	Yes	Yes	0	43.0	32
10	130	129	2			4.0	10.0	4.0			16.8	8.0	8.4	0.0		6.0		9.6	6.4	3.2	0	67	Yes	Yes	0	43.0	32
11	121	121	2			3.9	9.0	4.0			16.4	8.0	8.8	0.0		6.0		10.6	7.1	3.5	0	67	Yes	Yes	0	43.0	32
12	114	112	2			3.6	9.5	3.5			15.5	8.0	12.0	0.0		6.0		8.1	5.4	2.7	0	66	Yes	Yes	0	43.0	32
13	110	111	2			3.7	9.5	3.7			16.3	8.0	11.1	0.0		6.0		8.7	5.8	2.9	0	67	Yes	Yes	0	43.0	32
14	123	110	2			3.5	8.0	3.5			15.8	8.0	10.2	0.0		6.0		7.6	5.1	2.5	0	63	Yes	Yes	0	43.0	32
15	116	121	2			3.2	7.0	3.1			15.8	8.0		0.0		7.0	10.8	7.1	4.7	2.4	0	62	Yes	Yes	0	43.0	32
16	110	112	2			2.5	6.0	2.5			15.1	8.0		0.0	10.2	7.0		6.5	4.3	2.2	0	58	Yes	Yes	0	43.0	32
17	105	109	2			2.5	6.0	2.5			14.9	8.0		0.0	10.1	7.0		6.2	4.1	2.1	0	57	Yes	Yes	0	43.0	32
18	101	100	2			2.5	6.0	2.5			15.2	7.0		0.0	6.2	8.0		13.9	9.3	4.6	0	61	Yes	Yes	0	43.0	32
19	98	98	2			4.8	6.0	4.8			15.2	8.0		0.0	12.7	7.0	2.0	14.4	9.6	4.8	0	75	Yes	Yes	0	43.0	32
20	97	95	2			5.2	6.0	5.2			15.4	8.0		0.0	10.2	7.0		14.0	9.3	4.7	0	71	Yes	Yes	0	43.0	32
21	93	100	2			5.0	6.0	5.0				8.0		0.0	10.7	6.5		13.7	9.1	4.6	0	64	Yes	Yes	0	43.0	32
22	88	89	2	38.99		5.5	6.0	5.5			19.4	8.0		0.0	7.8	6.5		10.8	7.2	3.6	0	77	Yes	Yes	0	43.0	32
23	83	84	2			5.4	5.0	5.4			17.0	8.0	10.6	0.0		6.0		12.1	8.1	4.0	0	78	Yes	Yes	0	43.0	32
24	78	80	2			5.2	6.0	5.2			17.0	8.0	6.4	0.0		5.0		11.3	7.5	3.8	0	72	Yes	Yes	0	43.0	32
25	76	77	2			4.6	5.0	4.6			17.2	7.0	6.1	0.0		5.0		11.0	7.3	3.7	0	68	Yes	Yes	0	43.0	32
26	73	74	2			4.5	5.0	4.5			16.7	7.0	6.0	0.0		5.0		11.0	7.3	3.7	0	67	Yes	Yes	0	43.0	32
27	75	75	2			4.6	5.0	4.6			17.5	7.0	6.1	0.0		5.0		11.3	7.5	3.8	0	68	Yes	Yes	0	43.0	32
28	70	74	2			5.0	4.0	5.0			17.1	7.0	11.1	0.0		5.0		9.9	6.6	3.3	0	71	Yes	Yes	0	43.0	32
29	66	67	2			4.6	2.0	4.6			18.1	6.0	4.1	0.0		5.0		8.6	5.7	2.9	0	59	Yes	Yes	0	43.0	32
30	62	63	2			4.4	2.0	4.4			15.5	6.0	4.3	0.0		5.0		8.0	5.3	2.7	0	55	Yes	Yes	0	43.0	32
SFD	3,503	3,517	114		0	128	218	128	0	0	475	258	148	0	80	181	35		215	108	0	2,045	0	0	0	1290	948
AF	6,947	6,975	227		0	254	432	254	0	0	942	511	294	0	158	358	69		427	213	0	4,056	0	0	0	2,559	1,881
		117	4				**687**			**254**				**1,747**	**158**		**427**		7.2	3.6		68			0.0		
																			427	**213**							

Note:

Water in the miller ditch being delivered via the Mill/hillside ditch and water is still being split Prince and Haf. 50/50 Creighton decided not to make irrigation delivieries to Mack Pasture and Mack fields.

Redirected Historic Irrigation Demand Limit = 43 **Bold ##** on USGS denotes USGS gage verification Mack pump vandelized June21 Identified that Prince head requires repair from previous flooding 6/11

USGS SFork at 0500