

TO: Rosedale-Rio Bravo Water Storage District Board of Directors
Agenda Item 6.a.i

FROM: Dan W. Bartel

DATE: June 9, 2020

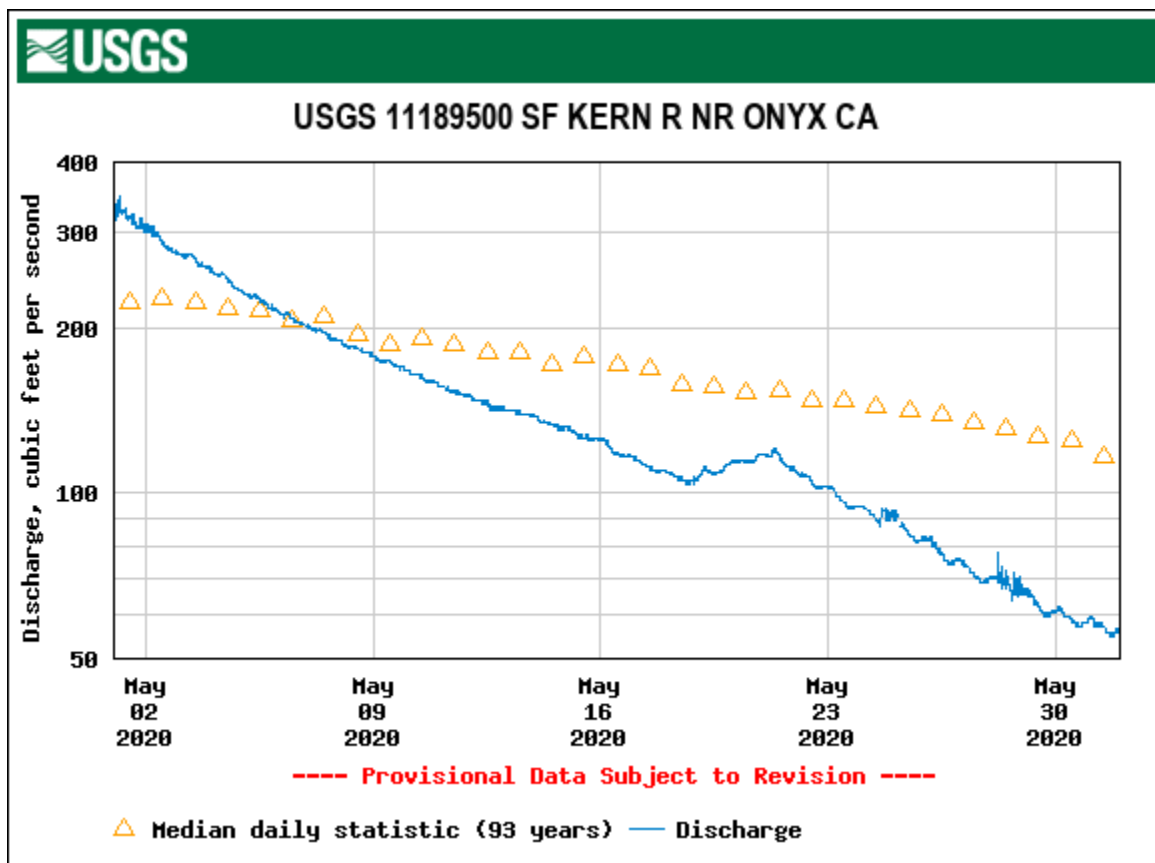
RE: Onyx Ranch Operations Report

Discussion:

Staff has been working to implement an interim operations plan considering the District’s developing goals and objectives on the Ranch. Specifically, staff has:

- Continued operation of conveyance system
- Flow meter verification and calibration efforts on Smith and Miller Ditches
- RE-requested project fencing plans from Hafenfeld and Creighton
- DEIR was released and published as required
- Onyx Staff assisting regular district staff with James fencing

Onyx Ranch diverted 2,795 AF in May. Monthly demands were down from previous years due to field transitions. South Fork flows downstream of Bloomfield averaged 142 cfs for the month with a peak of 317 cfs, below the long-term median of 150 cfs. Flows are now dropping and diversions are being allocated according to the right structure.



South Fork Kern River Monthly Measurement Report

May-20

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)			J.Nicoll (3)	Audubon (4,5,9,Wirth1,17,18) (20-22,Wirth2,27,29,37)		Smith (Smith)	Total Diverted	South Fork
	USGS - Onyx	Mill/Hillside	Miller	Prince	Miller	Landers	Cottonwood	Scodie/Mack	Landers	Nicoll	Nicoll	Cottonwood	Nicoll	Smith		Sierra Way "Flow"
1	317		5.3	12.0	5.3			15.0	22.6	15.0		3.5		10.3	89	Yes
2	288		5.1	10.0	5.1			14.4	22.1	14.4		3.1		9.8	84	Yes
3	265		5.3	10.0	5.3			14.6	23.5	14.6		3.4		8.6	85	Yes
4	244		5.3	10.0	5.3			14.5	19.4		14.4	6.4		8.4	84	Yes
5	224		4.6	10.0	4.6			15.5	20.2		15.0	6.2		8.4	84	Yes
6	208		4.2	10.0	4.2			14.7	26.4		14.8	6.3		10.3	91	Yes
7	195		3.9	9.0	3.9			15.0	27.6		13.0	6.6		10.3	89	Yes
8	183		3.7	10.0	3.7			16.7	27.4		13.5	6.4		10.3	92	Yes
9	173		3.6	7.0	3.6			17.6	27.5		12.3	5.5		10.3	87	Yes
10	162		4.1	7.0	4.1			15.4	26.7	12.9		6.7		10.3	87	Yes
11	153		3.4	6.7	3.4			15.3	26.5	15.0		6.4		9.9	86	Yes
12	146		2.9	9.0	2.9			14.4	29.3	14.8		4.3		9.9	87	Yes
13	140		3.1	9.0	3.1			14.5	29.3			4.3	14.4	9.9	88	Yes
14	134		3.1	8.0	3.1			17.6	27.3			4.3	11.1	9.9	84	Yes
15	127		3.4	9.0	3.4			16.3	25.4	10.7		6.4		9.9	84	Yes
16	120		4.7	8.0	4.7			13.7	25.0	9.2		7.0		9.9	82	Yes
17	112		4.8	8.0	4.8			13.9	24.3	11.7		6.2		9.9	83	Yes
18	106		4.3	8.0	4.3			15.2	24.3	14.2		6.2		10.1	87	Yes
19	110		4.5	8.0	4.5			14.7	25.4		12.6	6.4		10.1	86	Yes
20	115		4.9	8.0	4.9			14.5	25.5		14.7	6.5		10.1	89	Yes
21	115		5.3	8.0	5.3			14.1	23.2		13.8	8.1		10.1	88	Yes
22	105		4.2	8.0	4.4			14.6	24.6	13.3	12.3	7.5		10.1	99	Yes
23	97		4.8	8.0	4.8			15.0	25.0	14.4	13.4	1.4		10.1	97	Yes
24	92		4.7	8.0	4.7			14.6	25.4	22.5		1.8		10.1	92	Yes
25	85		4.6	7.0	4.6			14.5	14.5	21.0		1.5		8.1	76	Yes
26	78		5.3	7.0	5.3			14.7	13.3	12.3		1.8		8.1	68	Yes
27	72		4.3	8.0	4.3			14.6	14.1	18.8		2.1		8.1	74	Yes
28	69		6.1	8.0	6.1			15.1	12.3	14.8		2.2		8.1	73	Yes
29	63		6.0	7.0	6.0			15.3	10.3		13.7	2.3		8.1	69	Yes
30	59		6.2	7.0	6.2			14.5	15.2		11.2	2.1		8.1	70	Yes
31	57		5.3	6.0	5.3			14.8	10.4		11.7	2.3		8.1	64	Yes
SFD	4,414	0	140	259	140	0	0	465	694	250	186	145	26	293	2,598	0
AF	8,755	0	278	513	278	0	0	923	1,377	495	370	288	51	581	5,154	0
	142		791		278			2,795	370		339	581		84		

Note: Cottonwood via the Landers.

**ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT - ONYX RANCH
MONTHLY GROUNDWATER MONITORING RUN
MAY**

2020

Well Name	DATE	Depth to Water (ft)	Notes
Onyx Store - Domestic	1/30/2020	41.1	
Ranch HQ - Domestic	1/30/2020	17.4	
Landers Sand - Old Ag Well	1/30/2020	19.9	
Onyx Store - Old Ag Well	1/30/2020	20.2	
Mack Well	1/30/2020	20.6	
Nicoll Field - Old Ag Well	1/30/2020	13.3	
Mack Field West - Domestic	1/30/2020	11.3	
Gibboney-2 Piezo	1/30/2020	7.9	
Gibboney-3 Piezo	1/30/2020	6.3	
Boone Piezo	1/30/2020	7.1	
Lieb Piezo	1/30/2020	7.9	
Pruitt Piezo	1/30/2020	14.9	
Scodie Well	1/30/2020	24.5	
Pruitt Well	1/30/2020	16	
Nicoll Well	1/30/2020	14.5	
Mack Piezo	1/30/2020	16.6	