

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

FROM: Dan W. Bartel

DATE: February 13, 2024

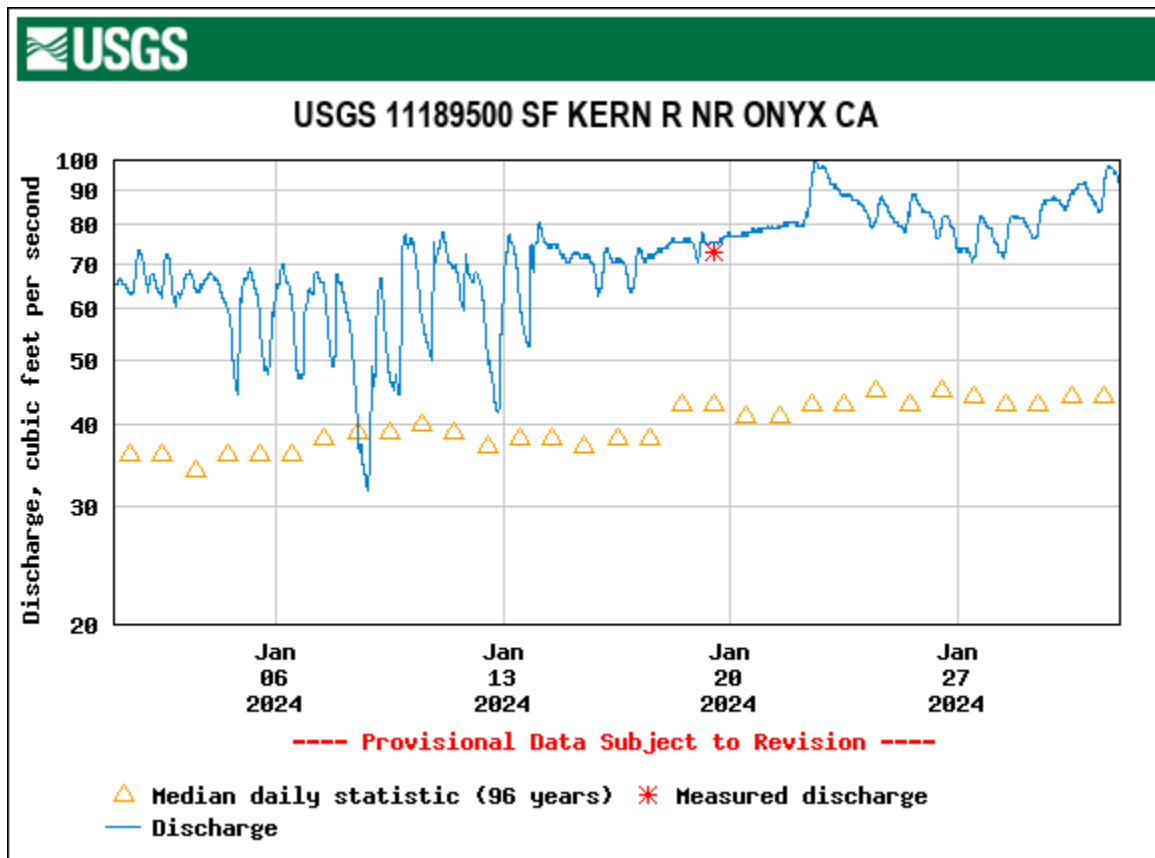
RE: Onyx Ranch Operations Report

Discussion:

Staff has:

- Continued operation of conveyance facilities
- Irrigation activities resumed on January 3 given dry winter conditions.
- Project flows were discontinued, and ag leases holders were notified.
- USGS verified the South Fork station on January 19.
- Staff stream gaged and calculated accretions 3 times during the month.
- Staff commenced ditch cleaning activities on the Nicoll and Mack ditches.
- Staff completed rebuilding irrigation berms on Smith Ranch.

South Fork flows downstream of Bloomfield averaged 74 cfs plus calculated accretions of 10 cfs, for a total average flow of about 84 cfs.











South Fork Kern River Monthly Measurement Report

January-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)			RRBWSO (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	Total Diverted	South Fork		RRBWSO to Isabella	
	USGS -Onyx 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	Smith			Sierra Way "Flow"	Patterson "Flow"	"Net Project Water"
1	66	65	13										0.0			1.3	1.8	5.9	9		Yes	Yes	0
2	65	66	13								13.7					1.3	1.8	6.1	23		Yes	Yes	0
3	64	66	13								11.0					5.0	1.6	12.0	30		Yes	Yes	0
4	58	65	13								11.0					5.0	1.5	12.0	30		Yes	Yes	0
5	58	67	13							14.2	11.0					5.0	4.0	12.0	46		Yes	Yes	0
6	58	69	13	39.81						13.7	9.0					6.0	0.9	12.0	42		Yes	Yes	0
7	61	67	13							10.6	10.0					5.0	2.0	12.0	40		Yes	Yes	0
8	45	57	13							10.1	9.0					6.0	5.7	12.0	43		Yes	Yes	0
9	54	66	13							11.8	10.0					6.0		12.0	40		Yes	Yes	0
10	64	60	13	31						12.5	9.0					6.0		9.4	37		Yes	Yes	0
11	69	75	13							18.3	9.0					6.0	12.0	45		Yes			0
12	55	66	7							14.6	9.0					6.0	8.7	38		Yes	Yes	0	
13	66	75	7							12.9	11.0					4.0		9.6	37		Yes	Yes	0
14	74	76	7							12.8	9.0					6.0		10.0	38		Yes	Yes	0
15	70	72	7							12.2	9.0					6.0		9.2	36		Yes	Yes	0
16	69	73	7							12.4	11.0					4.0		9.4	37		Yes	Yes	0
17	72	72	7								11.0					4.0		9.2	24		Yes	Yes	0
18	75	75	7								11.0					4.0		10.0	25		Yes	Yes	0
19	76	75	7								11.0					4.0		9.1	24		Yes	Yes	0
20	78	77	7	Storming...closing gates (no stream gauging)							10.0					5.0		10.1	25		Yes	Yes	0
21	80	79	7													5.0		5.3	10		Yes	Yes	0
22	90	80	7													5.0		5.7	11		Yes	Yes	0
23	90	91	7													6.0		5.8	12		Yes	Yes	0
24	84	83	7													5.6		5.6	12		Yes	Yes	0
25	83	80	7													6.0		5.8	12		Yes	Yes	0
26	80	83	7													5.5		5.4	11		Yes	Yes	0
27	76	74	7	81.82												5.0		5.5	11		Yes	Yes	0
28	78	75	7													5.0		5.8	11		Yes	Yes	0
29	82	78	19													5.0		5.6	11		Yes	Yes	0
30	89	86	19													4.5		5.9	10		Yes	Yes	0
31	91	86	19													4.0		5.9	10		Yes	Yes	0
SFD	2,219	2,279	315		0	0	0	0	0	0	156	195	0	0	0	153	19	265	787				0
AF	4,400	4,520	624		0	0	0	0	0	0	309	386	0	0	0	302	38	525	1,562				0
		74	10				0		0					0			341	8.5	25				0.0

Note:

Cottonwood via the Landers

Redirected Historic Irrigation Demand Limit =

19

Project discontinued 1/2/2024

Bold ## on USGS denotes USGS gage verification

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