

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

FROM: Dan W. Bartel

DATE: February 14, 2023

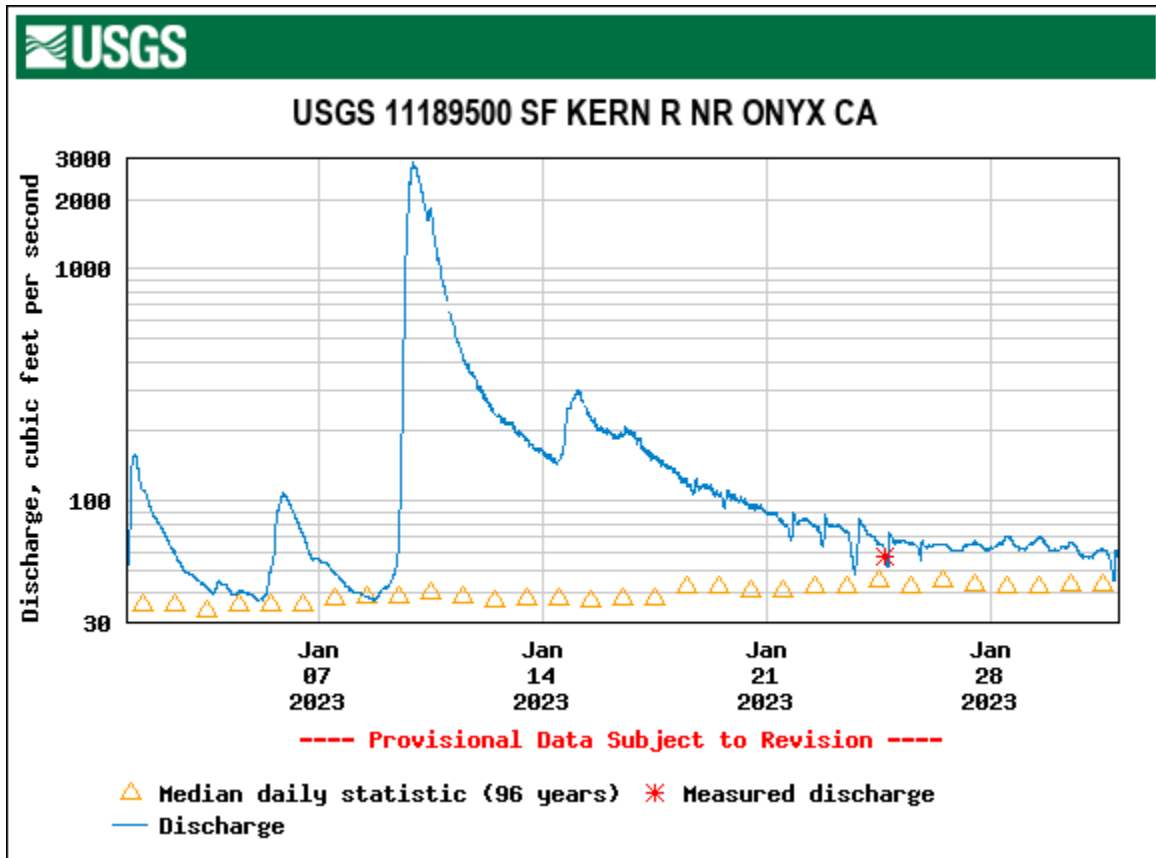
RE: Onyx Ranch Operations Report

Discussion:

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

- Continued operation of conveyance system
- Staff continued to work on annual maintenance agreements with DFW for Smith Ranch
- Staff received access agreements from DFW and completed Onyx ditch cleaning
- Staff worked to get Hunter’s Cabin and Store listed with a local real-estate agent
- Staff ceased redirected flow due to precipitation events on January 9.
- Staff coordinated with KRI’s to review updated model results and 2023 operations.
- Staff is finalized 2022 diversion reports for SF water right holders and submitted water diversion reports to the SWRCB.

South Fork flows downstream of Bloomfield averaged 185 cfs plus calculated accretions of 7 cfs, for a total average flow of about 192 cfs. Ag wells were not operated.



South Fork Kern River Monthly Measurement Report

January-2023

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)			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)	Total Diverted	South Fork		RRBWSD 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"	
1	108	157	5.0				4.0					1.2	15.1				9.3	14	Yes	No	0	
2	62	72	5.0				4.0					1.3	16.7				7.6	13	Yes	No	0	
3	45	47	5.0				5.9					1.2	17.4				7.0	14	Yes	No	0	
4	42	42	5.0				1.8					1.4	17.5				6.7	10	Yes	No	0	
5	65	39	5.0				2.5					1.1	17.7				6.8	10	Yes	No	0	
6	75	90	5.0				4.1					1.2	15.9				6.5	14	Yes	No	0	
7	50	56	5.0				5.2					1.0	17.0				7.7	14	Yes	Yes	0	
8	41	41	5.0	43			6.0					1.0	17.4				7.3	14	Yes	Yes / 12.95	0	
9	745	45	5.0				5.6					1.2	0.0				7.4	14	Yes	Yes	0	
10	1618	2150	10.1				0.0					0.0	0.0				9.0	9	Yes	Yes	0	
11	457	584	10.1				0.6					1.0	0.0				7.0	9	Yes	Yes	0	
12	248	264	10.1				0.0					1.5	0.0				5.7	7	Yes	Yes	0	
13	185	206	10.1				0.0					1.0	0.0				5.4	6	Yes	Yes	0	
14	187	161	10.1	Stormy (HighQs)			1.0					1.0	0.0				4.9	7	Yes	Yes	0	
15	240	273	10.1				1.5					1.0	0.0				5.8	8	Yes	Yes	0	
16	194	213	10.1				1.5					1.5	0.0				5.3	8	Yes	Yes	0	
17	157	168	10.1				0.8					1.1	0.0				4.8	7	Yes	Yes	0	
18	124	132	10.1				1.0					1.5	0.0				5.2	8	Yes	Yes	0	
19	110	117	10.1				2.3					1.0	0.0				5.2	8	Yes	Yes	0	
20	99	103	10.1				0.5					0.3	0.0				4.8	6	Yes	Yes	0	
21	85	90	10.1	87			0.5					1.0	0.0				4.6	6	Yes	Yes / 82.93	0	
22	81	85	10.1				0.8					0.8	0.0				4.6	6	Yes	Yes	0	
23	74	81	10.1				0.6					0.9	0.0				4.6	6	Yes	Yes	0	
24	70	75	2.5				0.6					0.7	0.0				4.4	6	Yes	Yes	0	
25	65	70	2.5				1.0					0.6	0.0				4.6	6	Yes	Yes	0	
26	64	65	2.5				1.0					0.7	0.0				4.3	6	Yes	Yes	0	
27	64	65	2.5				1.0					0.2	0.0				4.4	6	Yes	Yes	0	
28	66	66	2.5	73			1.0					0.7	0.0				4.3	6	Yes	Yes / 63.32	0	
29	65	66	2.5				1.0					0.4	0.0				4.3	6	Yes	Yes	0	
30	62	63	2.5				1.0					0.4	0.0				4.6	6	Yes	Yes	0	
31	58	59	12.7				1.0					0.3	0.0				4.5	6	Yes	Yes	0	
SFD	5,606	5,744	217		0	0	58	0	0	0	0	28	0	135	0	0	180	266	0	0	0	
AF	11,119	11,393	430		0	0	115	0	0	0	0	56	0	267	0	0	358	528	0	0	0	
		185	7				115					0					5.8	9			0.0	

Note: Cottonwood via the Landers
 Redirected Historic Irrigation Demand Limit = 19 Redirecting of water off 1/9-?? due to precipitation activity
 ## Saturday South Fork Doyle Ranch Flow measurement, value carries for next week Tuesday-Monday.

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

2023

Well Name	DATE	Depth to Water (ft)	Notes
Onyx Store - Domestic	1/31/2023	43.3	
Ranch HQ - Domestic	1/31/2023	22	
Landers Sand - Old Ag Well	1/31/2023	22.6	
Onyx Store - Old Ag Well	1/31/2023	23.9	
	1/31/2023		
Mack Well	1/31/2023	26	
Nicoll Field - Old Ag Well	1/31/2023	19.2	
Mack Field West - Domestic	1/31/2023	17.3	
Gibboney-2 Piezo	1/31/2023	13.3	
Gibboney-3 Piezo	1/31/2023	9.4	
Boone Piezo	1/31/2023	9.5	
Lieb Piezo	1/31/2023	9.5	
Pruitt Piezo	1/31/2023	17	
Scodie Well	1/31/2023	26.7	
Pruitt Well	1/31/2023	19.2	
Nicoll Well	1/31/2023	19.5	
Mack Piezo	1/31/2023	21	
West Onyx Piezo (Top of pipe to the concrete 1.9ft)	1/31/2023	20.4	
East Onyx Piezo (Top of pipe to the concrete 1.4ft)	1/31/2023	26.2	
Smith Piezo #1	1/31/2023	19	
Smith Piezo #2	1/31/2023	22.4	
Smith Piezo #3	1/31/2023	22.3	