

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

FROM: Dan W. Bartel

DATE: March 14, 2023

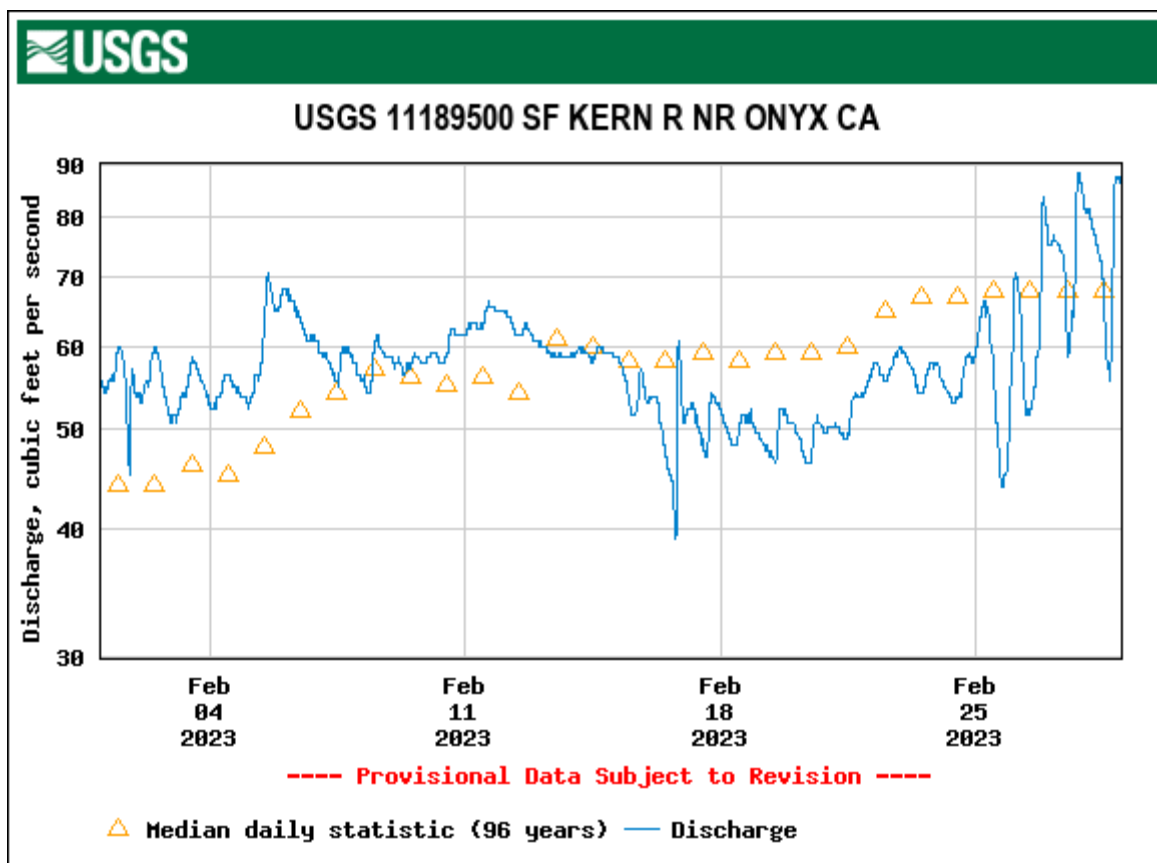
RE: Onyx Ranch Operations Report

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
- Continued to work on annual maintenance agreements with DFW for Smith Ranch
- Received an access agreement from DFW for Smith Ditch head inspection.
- Worked to get Hunter’s Cabin and Store listed with a Click Real-estate
- Attended annual Whiskey Flat Days
- Redirected project flow from February 10-21 to Isabella Reservoir
- Coordinated with KRI’s operations.

South Fork flows downstream of Bloomfield averaged 58 cfs plus calculated accretions of 10 cfs, for a total average flow of about 68 cfs. Ag wells were not operated.



South Fork Kern River Monthly Measurement Report

February-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
	Mean Flow	USGS - Onyx	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	55	55	12.7										0.1	0.0				4.5	9	Yes	Yes	0		
2	55	53	12.7										0.1	0.0				4.5	7	Yes	Yes	0		
3	55	53	12.7										0.1	0.0				4.5	7	Yes	Yes	0		
4	54	53	12.7	62.5									0.1	0.0				4.6	6	Yes	Yes/62.5	0		
5	61	54	12.7										0.1	0.0				4.5	6	Yes	Yes	0		
6	64	66	12.7										0.1	0.0				4.6	6	Yes	Yes	0		
7	58	58	14.2										0.1	0.0				4.5	6	Yes	Yes	0		
8	57	55	14.2											0.0				4.4	5	Yes	Yes	0		
9	58	58	14.2											0.0				4.6	5	Yes	Yes	0		
10	60	59	14.2											0.0		6.9		4.5	22	Yes	Yes	16		
11	64	62	14.2	59.4										23.0		7.0		4.6	22	Yes	Yes/41.3	16		
12	63	64	14.2											23.0		7.4		4.8	23	Yes	Yes	16		
13	59	60	14.2											23.0		8.4		4.7	23	Yes	Yes	16		
14	59	60	9.0											23.0		6.8		4.6	21	Yes	Yes	16		
15	55	59	9.0											23.0		7.6		4.7	23	Yes	Yes	16		
16	50	54	9.0											23.0		8.0		4.4	23	Yes	Yes	16		
17	51	53	9.0											23.0		8.3		4.4	23	Yes	Yes	16		
18	50	51	9.0	45										23.0		8.5		4.3	23	Yes	Yes/30	16		
19	49	48	9.0											23.0		8.0		4.3	23	Yes	Yes	16		
20	49	48	9.0											23.0		8.4		4.1	23	Yes	Yes	16		
21	51	50	6.6											23.0		8.3		4.2	22	Yes	Yes	16		
22	57	58	6.6											0.0		8.6		4.6	23	Yes	Yes	0		
23	57	57	6.6											0.0		8.4		4.4	23	Yes	Yes	0		
24	56	54	6.6											0.0		8.2		4.4	24	Yes	Yes	0		
25	56	66	6.6	Snowing										0.0		8.2		4.7	24	Yes	Yes	0		
26	64	66	6.6											0.0		8.0		4.6	23	Yes	Yes	0		
27	74	76	6.6											0.0		8.8		4.9	25	Yes	Yes	0		
28	75	62	6.6	54										0.0		9.6		4.9	25	Yes	Yes	0		
SFD	1,616	1,610	291		0	0	214	0	0	0	0	0	1	0	276	0	153	0	127	494	0	0	192	
AF	3,205	3,194	578		0	0	424	0	0	0	0	0	1	0	547	0	304	0	251	980	0	0	380	
		58	10				424							0	549	0		304	4.5	18			8.8	

Note: Cottonwood via the Landers
 Redirected Historic Irrigation Demand Limit = 23
 # Saturday South Fork Doyle Ranch Flow measurement, value carries for next week Tuesday-Monday. Redirecting of water off 2/1-2/9 and 2/22-2/28 due to precipitation activity
 Numbers under Patterson Lane signifies RRB Staff flowtracking
 USGS-Onyx = USGS SFork at 0500

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

2023

Well Name	DATE	Depth to Water (ft)	Notes
Onyx Store - Domestic	2/28/2023	2/27/2023	43.6
Ranch HQ - Domestic	2/28/2023	2/27/2023	21.7
Landers Sand - Old Ag Well	2/28/2023	2/27/2023	22.6
Onyx Store - Old Ag Well	2/28/2023	2/27/2023	22
	2/28/2023		
Mack Well	2/28/2023	2/27/2023	26.6
Nicoll Field - Old Ag Well	2/28/2023	2/27/2023	18.6
Mack Field West - Domestic	2/28/2023	2/27/2023	17
Gibboney-2 Piezo	2/28/2023	2/27/2023	13
Gibboney-3 Piezo	2/28/2023	2/27/2023	9
Boone Piezo	2/28/2023	2/27/2023	9.8
Lieb Piezo	2/28/2023	2/27/2023	9.3
Pruitt Piezo	2/28/2023	2/27/2023	17
Scodie Well	2/28/2023	2/27/2023	26.6
Pruitt Well	2/28/2023	2/27/2023	19.2
Nicoll Well	2/28/2023	2/27/2023	19
Mack Piezo	2/28/2023	2/27/2023	21
West Onyx Piezo (Top of pipe to the concrete 1.9ft)	3/1/2023	2/27/2023	20.4
East Onyx Piezo (Top of pipe to the concrete 1.4ft)	3/2/2023	2/27/2023	26.4
Smith Piezo #1	3/3/2023	2/27/2023	18.6
Smith Piezo #2	3/4/2023	2/27/2023	22.9
Smith Piezo #3	3/5/2023	2/27/2023	19.7