

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

FROM: Dan W. Bartel

DATE: August 11, 2023

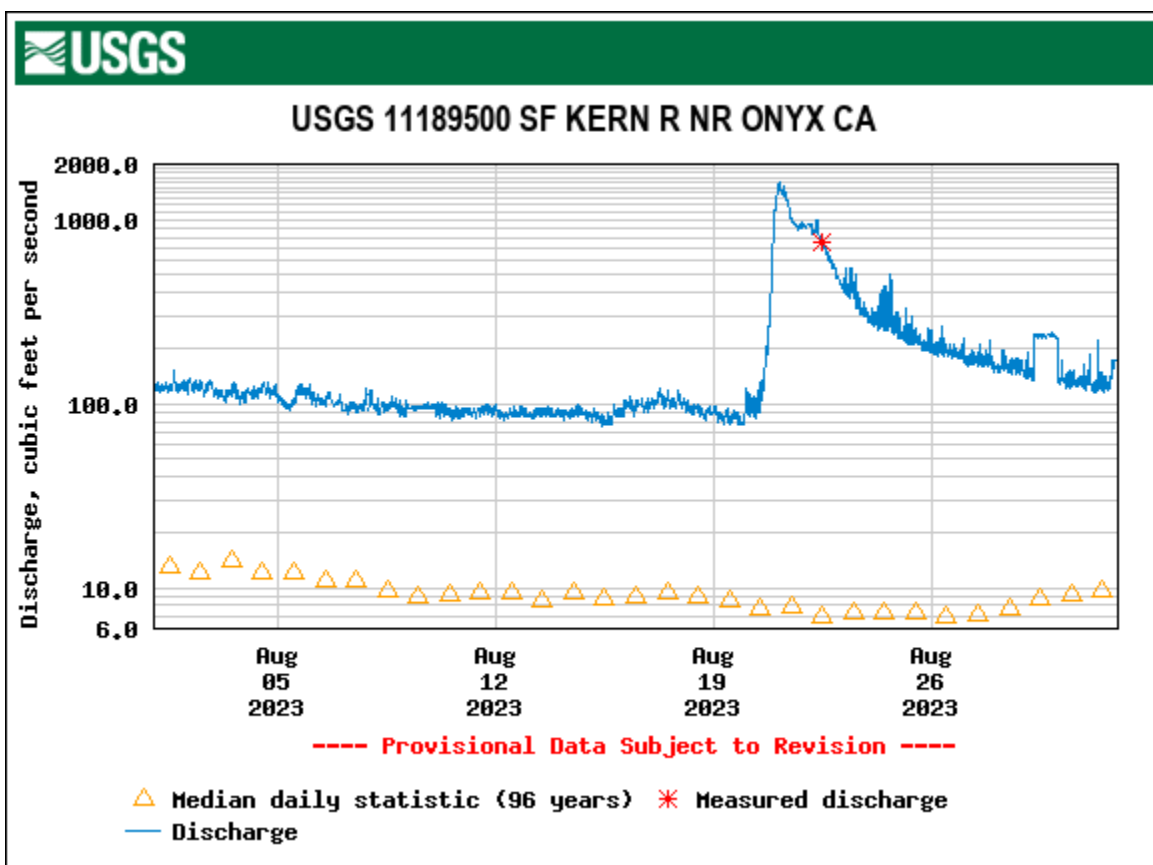
RE: Onyx Ranch Operations Report

Discussion:

Staff has:

- Continued operation of non-project conveyance
- Completed repair of March flood damages on Nicoll Ditch and filed emergency Notification.
- Hunter’s Cabin and Store CLOSED ESCROW!!!
- Made good progress on fencing projects.
- Paused project flows August 19 due to Hurricane Hilary dumping 4” of rain the SF Valley; operations were communicated to Watermaster, COB, and KCWA.

South Fork flows downstream of Bloomfield averaged 197 cfs plus calculated accretions of 10 cfs, for a total average flow of about 207 cfs. Hilary flood flows peaked August 21 at 1540 cfs and caused some damage.



South Fork Kern River Monthly Measurement Report

August-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)				J.Nicoll (3)	Audubon (4,5,9,Wirth1,17,18) (20-22,Wirth2,27,29,37)		Smith (Smith)	Total Diverted	South Fork		RRBWSD to Isabella	
	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	123	122	7		6.3	7.0	6.3						31	5.4	8.0		5.4	38	Yes	Yes	27	
2	124	122	7		6.3	7.5	6.3						31	5.4	8.0		5.3	39	Yes	Yes	27	
3	113	112	7		6.3	7.5	6.3						31	5.3	8.0		4.9	38	Yes	Yes	27	
4	116	109	7		6.3	7.0	6.3						31	5.2	8.0		6.0	39	Yes	Yes	27	
5	105	105	7		6.0	7.0	6.0						31	5.1	8.0		5.6	38	Yes	Yes	27	
6	106	108	7		6.0	7.0	6.0						31	5.1	7.0		5.4	37	Yes	Yes	27	
7	98	92	7		6.0	7.0	6.0						31	5.0	7.0		4.9	36	Yes	Yes	27	
8	97	92	7		6.0	7.0	6.0						31	4.9	8.0		4.8	37	Yes	Yes	27	
9	95	95	7		6.0	6.5	6.0						31	4.9	8.0		4.8	36	Yes	Yes	27	
10	90	91	7		6.0	6.5	6.0						31	4.9	8.0		4.5	36	Yes	Yes	27	
11	92	88	7		5.5	6.0	5.5						31	4.9	7.0		4.5	33	Yes	Yes	27	
12	89	86	7	82	5.5	7.0	5.5						31	4.7	8.0		4.4	35	Yes	Yes	27	
13	89	84	7		5.5	6.5	5.5						31	4.8	8.0		4.2	35	Yes	Yes	27	
14	89	89	7		6.0	6.0	6.0						31	4.8	7.0		4.4	34	Yes	Yes	27	
15	85	88	13		6.0	6.5	6.0						31	4.8	9.0		4.4	37	Yes	Yes	27	
16	97	104	13		6.3	9.5	6.2					7.5	31	4.8	9.0		4.8	43	Yes	Yes	27	
17	104	102	13		6.0	7.8	6.0					8.0	31		8.5		5.4	42	Yes	Yes	27	
18	93	91	13		6.0	7.9	6.0					7.4	31		10.0		4.7	42	Yes	Yes	27	
19	84	83	13		6.0	5.9	6.0					7.4	0		8.5		3.8	38	Yes	Yes	0	
20	241	108	13		0.0	8.7	0.0					0.0	0		0.0		0.0	9	Yes	Yes	0	
21	1135	1360	13		0.0	11.3	0.0					0.0	0		0.0		0.0	11	Yes	Yes	0	
22	743	852	13		0.3	12.0	0.3						0		3.0		1.6	17	Yes	Yes	0	
23	390	436	13			1.2	0						0		3.0	3.4	2.1	10	Yes	Yes	0	
24	288	306	13			3.1	0						0		3.0	3.2	2.1	11	Yes	Yes	0	
25	222	215	13			3.0	0						0		5.0	2.8	2.1	13	Yes	Yes	0	
26	194	189	13			2.9	0						0		5.0	2.3	2.0	12	Yes	Yes	0	
27	173	170	13			2.5	0						0		5.0	2.1	2.0	12	Yes	Yes	0	
28	159	158	13			2.3	0						0		5.0	2.0	1.9	11	Yes	Yes	0	
29	207	155	13			2.5	0						0		5.0	2.0	1.8	11	Yes	Yes	0	
30	140	149	13			2.2	0						0		4.5	1.8	1.8	10	Yes	Yes	0	
31	138	129	13			2.3	0						0	1.7	4.5		3.8	12	Yes	Yes	0	
SFD	5,918	6,090	321		0	114	187	114	0	0	0	30	558	77	196	20	113	851	0	194	480	
AF	11,739	12,080	637		0	226	371	226	0	0	0	60	1,107	152	389	39	225	1,688	0	385	952	
		196.5	10.4			597							226				428		27		9.70	24.0
														152			3.7			225		

Note: Redirected Historic Irrigation Demand Limit = 31 Cottonwood via Landers Head Miller via Mill Head Nicoll deliveries to Boone field (non-project)
 Turned off project 8/19 due to hurricane Hilary. **Bold ##** on USGS denotes USGS gage verification

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

2023

Well Name	DATE	Depth to Water (ft)	Notes
Onyx Store - Domestic	8/30/2023	39	
Ranch HQ - Domestic	8/31/2023	39.7	Pump on
Landers Sand - Old Ag Well	8/31/2023	16.7	
Onyx Store - Old Ag Well	8/30/2023	18	
Mack Well	8/30/2023	21.8	
Nicoll Field - Old Ag Well	8/31/2023	14.3	
Mack Field West - Domestic	8/30/0203	13.1	
Gibboney-2 Piezo	8/31/2023	8.4	
Gibboney-3 Piezo	8/31/2023	6.6	
Boone Piezo	8/30/2023	4.9	
Lieb Piezo	8/31/2023	7.7	
Pruitt Piezo	8/31/2023	11.5	
Scodie Well	8/30/2023	20.8	
Pruitt Well	8/30/2023	13.7	
Nicoll Well	8/31/2023	14.6	
Mack Piezo	8/30/2023	16.2	
West Onyx Piezo (Top of pipe to the concrete 1.9ft)	8/30/2023	16.3	Pump on
East Onyx Piezo (Top of pipe to the concrete 1.4ft)	8/30/2023	20.8	
Smith Piezo #1	8/30/2023	14.3	
Smith Piezo #2	8/30/2023	17.1	
Smith Piezo #3	8/30/2023	14.9	