

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

FROM: Dan W. Bartel

DATE: October 11, 2022

RE: Onyx Ranch Operations Report

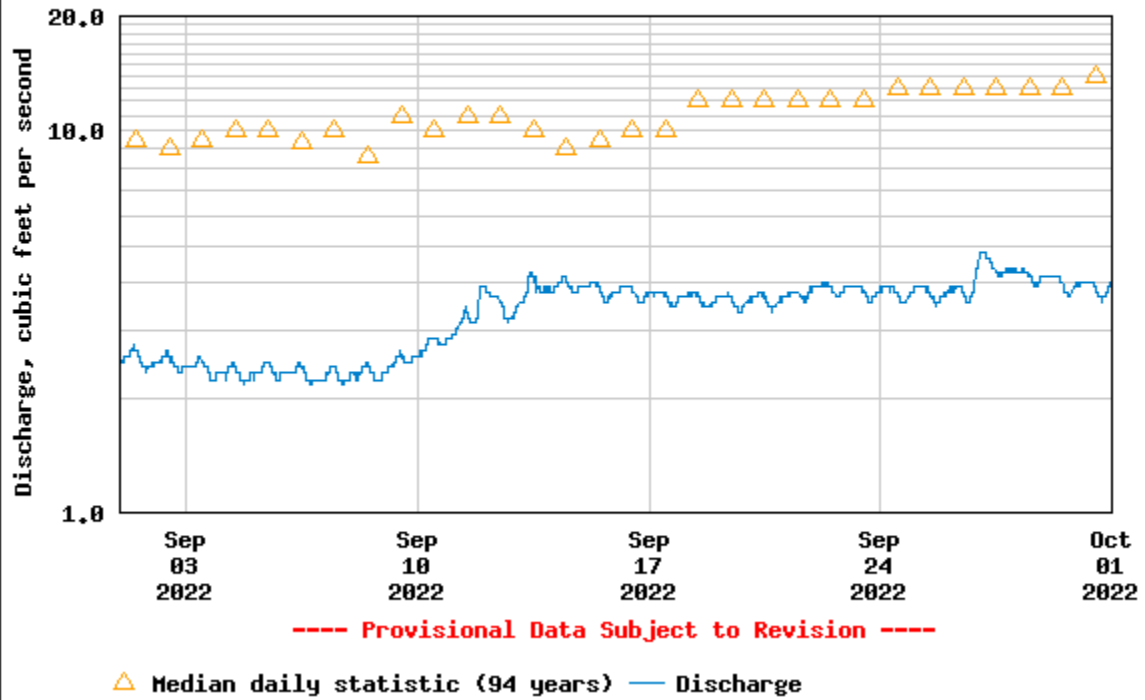
Discussion:

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

- Continued operation of conveyance system
- Began fall fencing and infrastructure replacement projects
- The CEQA team distributed the FEIR including responses to comments on 12/30/2020 and the Board Certified the document on 1/12/2020. Staff continued coordination efforts with the Kern River Interests and began redirecting flows March 28 and implemented the Pilot Project April 1, 2022.
- Staff sent response to COB and Watermaster to coordinate upcoming late fall operations.

RRBWSD diverted 155 AF to the Landers for Ben Rudnick obligations and stockwater needs this month to the Onyx Ranch and redirected 0 AF to the reservoir (0.0 cfs), this resulted in **0 AF** of Net Project Water with an average flow of **0 cfs**. Flows dropped to a point on May 21 where there was very little if any flows at Patterson Lane so redirected flows ceased and the limited amount of water still available was diverted for stockwater purposes. Flow at Patterson was stream gaged 0 times and averaged 0 cfs. Wells were operated to supplement irrigation to the Boone field only. South Fork flows downstream of Bloomfield averaged 3 cfs plus calculated accretions of 0.0 cfs, for a total average of about 3 cfs.

USGS 11189500 SF KERN R NR ONYX CA



South Fork Kern River Monthly Measurement Report

September-2022

Date	South Fork			D.Prince (4-5,17,20-23,27)			Halefield (5)			RBWSO (3,5,6,7,12, Wirthz, 30,35, 300se)			J.Nicol (3)			Smith (Smith)			Total Diverted	South Fork			RBWSO to Isabella			Isabella															
	USGS - Onyx	USGS - Onyx	Accretions	Doyle Ranch Road	Miller	Prince	Landers	Miller	Landers	Cottonwood	Scottie/Mack	Landers	Nicol	Redirected "Gross Project Water"	Nicol	Cottonwood	(20-22,Wirthz,27,29,37)	Nicol		Smith	Sierra Way "Flow"	Parterson "Flow"	"Net Project Water"	Mean Inflow	North Fork Flow	Difference	3 Day Avg														
1							2.5							0.0									130	95	35	30															
2							2.1							0.0									126	91	35	30															
3							1.8							0.0									111	92	19	29															
4							2.5							0.0									139	91	48	33															
5							2.7							0.0									107	88	19	29															
6							2.3							0.0									109	86	23	30															
7							2.0							0.0									107	83	24	30															
8							2.4							0.0									107	83	24	30															
9							2.4							0.0									129	87	42	36															
10							0.0							0.0									114	89	25	30															
11							0.0							0.0									128	106	22	30															
12							2.7							0.0									158	158	0	17															
13							2.7							0.0									158	158	0	17															
14							2.9							0.0									162	145	17	16															
15							2.9							0.0									148	137	11	10															
16							3.1							0.0									139	128	11	13															
17							3.1							0.0									150	145	5	11															
18							3.1							0.0									150	145	5	11															
19							3.2							0.0									124	112	12	22															
20							3.4							0.0									136	109	27	21															
21							2.9							0.0									128	106	22	20															
22							3.6							0.0									132	105	28	25															
23							3.2							0.0									131	99	32	34															
24							3.2							0.0									131	99	32	34															
25							3.1							0.0									138	96	42	39															
26							3.7							0.0									124	95	29	34															
27							1.9							0.0									126	95	31	34															
28							2.0							0.0									126	95	31	34															
29							2.6							0.0									130	92	38	31															
30							2.5							0.0									111	90	21	28															
SEP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
AF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
																					51	162			3,324	6,215			0.0			7							1,597		
																				Cottonwood via the Landers			Bedirected Historic Litigation Demand Limit =													Accumulated Net					

Daily values in SPD - Second Foot Days. Monthly total in AF - Acre-Feet
 Note: Cottonwood via the Landers
 Bedirected Historic Litigation Demand Limit = 26 Net Project Water = Gross Project water (Redirected) x 80%

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

2022

Well Name	DATE	Depth to Water (ft)	Notes
Onyx Store - Domestic	9/30/2022	45	
Ranch HQ - Domestic	9/30/2022	22.8	
Landers Sand - Old Ag Well	9/30/2022	24	
Onyx Store - Old Ag Well	9/30/2022	25.5	
Mack Well	9/30/2022	28.4	
Nicoll Field - Old Ag Well	9/30/2022	21.7	
Mack Field West - Domestic	9/30/2022	19.3	
Gibboney-2 Piezo	9/30/2022	13.2	
Gibboney-3 Piezo	9/30/2022	11.6	
Boone Piezo	9/30/2022	12	
Lieb Piezo	9/30/2022	14.9	
Pruitt Piezo	9/30/2022	18.9	
Scodie Well	9/30/2022	28	
Pruitt Well	9/30/2022	20.5	
Nicoll Well	9/30/2022	22.2	
Mack Piezo	9/30/2022	20.9	