

TO: Rosedale-Rio Bravo Water Storage District Board of Directors
Agenda Item 6.a.i

FROM: Dan W. Bartel

DATE: April 18, 2019

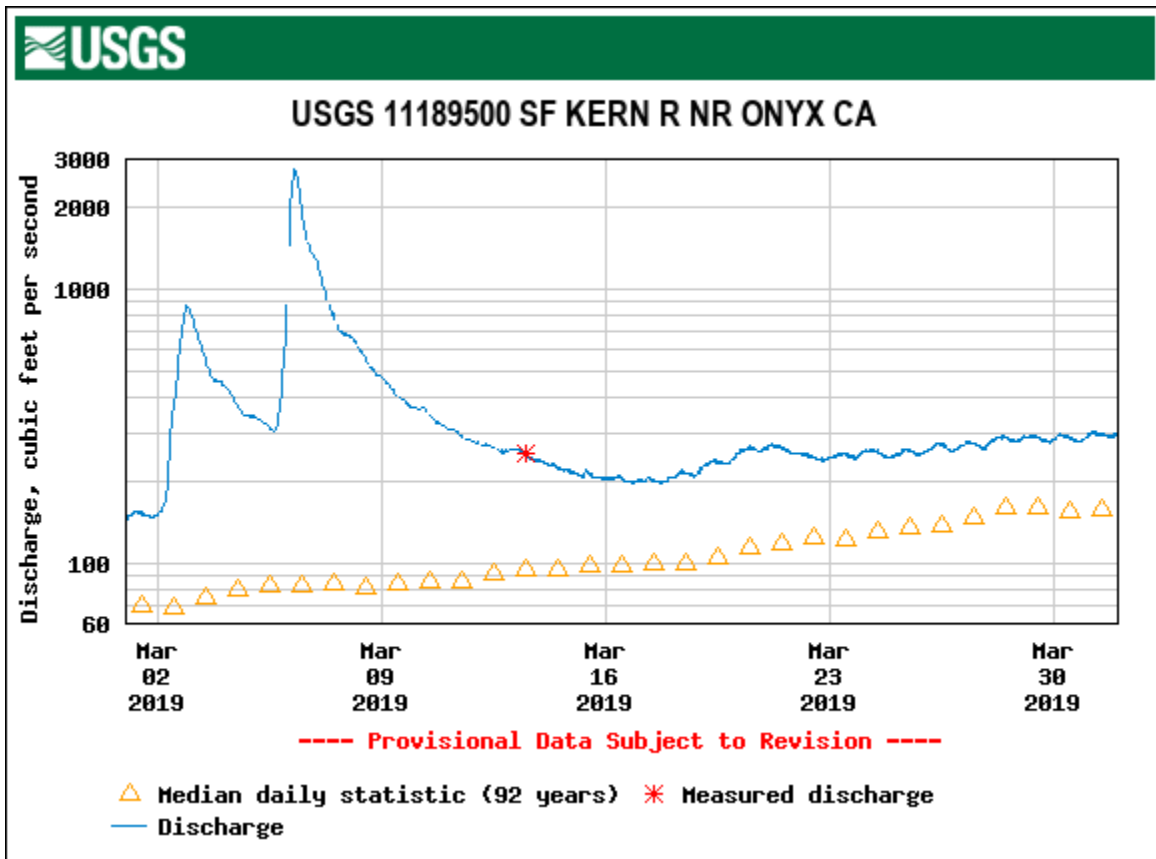
RE: Onyx Ranch Operations Report

Discussion:

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

- Continued operation of conveyance system
- Participated in weekly meetings with CEQA team
- Started up irrigation systems for the season
- Constructed Ramp Flume in the Cottonwood Connection
- Assisted RRB staff with stream verification at KR Intake
- Assisted RRB staff with spray rig repairs

Onyx Ranch diverted 177 AF in March as rains ceased and the ground quickly dried out from warm temperatures and high winds. South Fork flows downstream of Bloomfield averaged 355 cfs for the month with a peak of nearly 3000 cfs. Note that total agricultural diversions were 1,128 AF and the USGS metered flow was 21,815 AF.





Cottonwood Ramp Flume Stilling Well

South Fork Kern River Monthly Measurement Report

Mar-19

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)			RRBWS (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	
	USGS - Onyx	Mill/Hillside	Miller	Prince	Miller	Landers	Cottonwood	Scodie/Mack	Landers	Nicoll	Nicoll	Cottonwood	Nicoll		Smith	Sierra Way "Flow"
1	150												9.5	10	Yes	
2	339												11.0	11	Yes	
3	571												13.0	13	Yes	
4	388												12.6	13	Yes	
5	355												12.0	12	Yes	
6	1784												14.0	14	Yes	
7	823												12.9	13	Yes	
8	555												11.9	12	Yes	
9	416												10.4	10	Yes	
10	341												9.7	10	Yes	
11	292												9.0	9	Yes	
12	263												8.8	9	Yes	
13	245												8.8	9	Yes	
14	224												8.8	9	Yes	
15	209												8.8	9	Yes	
16	202												8.8	9	Yes	
17	200												8.8	9	Yes	
18	212												8.8	9	Yes	
19	233												8.4	8	Yes	
20	258												8.4	8	Yes	
21	261												8.4	8	Yes	
22	244												8.4	8	Yes	
23	247												8.4	8	Yes	
24	252												8.4	8	Yes	
25	253												8.4	8	Yes	
26	264								14.0			6.6	9.3	30	Yes	
27	269			11.0					16.5			9.0	9.3	46	Yes	
28	284		2.0	11.0	2.0				14.5			8.9	9.3	48	Yes	
29	285		3.1	11.5	3.1				15.0	17.2		9.1	9.3	68	Yes	
30	287		3.1	11.5	3.1				14.0	16.2		8.8	9.3	66	Yes	
31	296		2.9	8.0	3.0				15.0	16.1		10.1	9.3	64	Yes	
SFD	10,998	0	11	53	11	0	0	0	89	0	50	53	0	302	569	0
AF	21,815	0	22	105	22	0	0	0	177	0	98	104	0	600	1,128	0
	355			127				22			177			98	600	18

Note:

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

2019

Well Name	DATE	Depth to Water (ft)	Notes
Onyx Store - Domestic	3/29/2019	40.9	
Ranch HQ - Domestic	3/29/2019	16.8	
Landers Sand - Old Ag Well	3/29/2019	18.7	
Onyx Store - Old Ag Well	3/29/2019	20.6	
Mack Well	3/29/2019	24.1	
Nicoll Field - Old Ag Well	3/29/2019	17	
Mack Field West - Domestic	3/29/2019	14.8	
Gibboney-2 Piezo	3/29/2019	7	
Gibboney-3 Piezo	3/29/2019	6.3	
Boone Piezo	3/29/2019	7	
Lieb Piezo	3/29/2019	7.6	
Pruitt Piezo	3/29/2019	14.2	
Scodie Well	3/29/2019	24.4	
Pruitt Well	3/29/2019	15.8	
Nicoll Well	3/29/2019	17.7	
Mack Piezo	3/29/2019	17.7	