

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

FROM: Dan W. Bartel

DATE: June 11, 2019

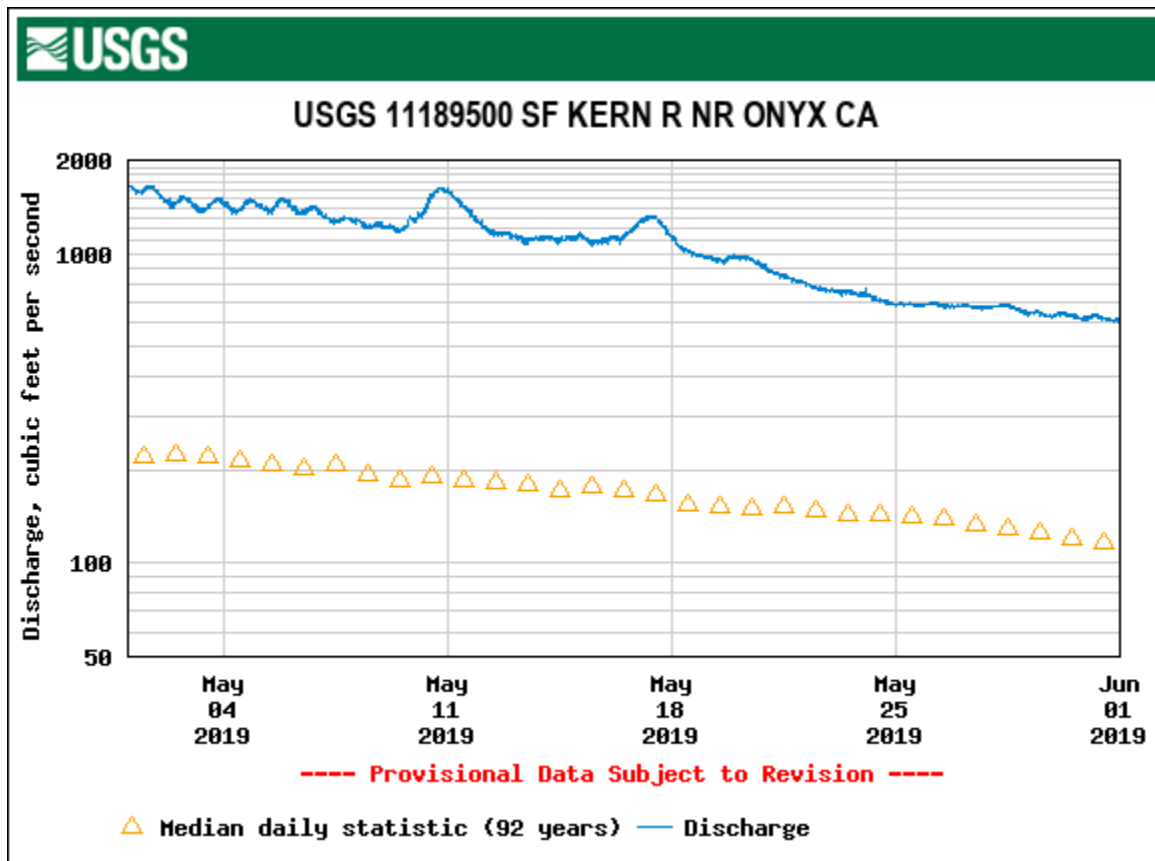
RE: Onyx Ranch Operations Report

**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 and field visit with CEQA team
- Assisted Creighton’s with repairs from Kelso Creek on Mack Ditch

Onyx Ranch diverted 1,821 AF in May, some demands were offset by unusual late spring rains. Demands were also down a bit from previous years due to field transition caused by lease end dates. South Fork flows downstream of Bloomfield averaged 1,065 cfs for the month with a peak of 1501 cfs well in excess of the long-term mean of 200 cfs. Note that total agricultural diversions were 4,928 AF and the USGS metered flow was 65,511 AF.





Spring Thunder Storms

## South Fork Kern River Monthly Measurement Report

**May-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)			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
	USGS - Onyx	Mill/Hillside	Miller	Prince	Miller	Landers	Cottonwood	Scodie/Mack	Landers	Nicoll	Nicoll	Cottonwood	Nicoll	Smith		Sierra Way "Flow"
1	1614		5.5	13.0	5.5			10.1	13.0		13.3	10.0	14.0	84	Yes	
2	1483		6.5	13.0	6.5			15.1	13.0		9.9	10.5	14.0	89	Yes	
3	1436		5.5	12.0	5.5			15.0	16.6	11.7	11.6	10.5	14.0	102	Yes	
4	1427		5.5	12.0	5.5			15.3	15.7	12.6	12.5	10.0	14.0	103	Yes	
5	1431		4.5	13.0	4.5			15.5	15.9	13.0	13.0	10.0	14.0	103	Yes	
6	1390		4.5	14.0	4.5			15.6	17.3	14.0	11.4	9.0	14.0	104	Yes	
7	1298		4.5	15.0	4.5			16.3	15.1	10.2	10.1	9.0	15.4	100	Yes	
8	1245		4.5	16.0	4.5			18.9	15.0	10.3		11.5	15.4	96	Yes	
9	1230		4.5	18.0	4.5			19.3	15.7			12.0	15.4	89	Yes	
10	1501		4.0	17.0	4.0				10.0			6.0	15.4	56	Yes	
11	1424		4.0	17.0	4.0				14.4			11.0	15.4	66	Yes	
12	1178		4.0	14.0	4.0				12.0			11.0	15.4	60	Yes	
13	1117		5.0	14.0	5.0				13.9			12.0	15.4	65	Yes	
14	1117		5.0	16.0	5.0				13.0			14.0	11.0	64	Yes	
15	1107		5.0	13.0	5.0			19.0	15.0			14.1	8.8	91	Yes	
16	1158		5.0	13.0	5.0			19.0	15.9		6.9	14.0	6.8	97	Yes	
17	1260		5.0	14.0	5.0				11.2		15.2	14.0	11.0	75	Yes	
18	1029		5.0	15.0	5.0				12.5		15.0	9.2	11.0	73	Yes	
19	962		5.0	14.0	5.0				11.4		12.0	9.5	11.0	68	Yes	
20	946		5.0	14.0	5.0				15.8		12.2	10.5	11.0	74	Yes	
21	845		4.5	14.0	4.5				13.6	13.2		10.5	9.0	69	Yes	
22	782		4.5	11.0	4.5			19.9	13.4	10.5		11.0	9.0	84	Yes	
23	746		4.0	11.0	4.0			19.8	13.3	7.2		11.0	9.0	79	Yes	
24	709		4.5	11.0	4.5				13.5	18.9		11.4	9.0	73	Yes	
25	685		4.0	10.0	4.0				13.1	23.2		11.0	9.0	74	Yes	
26	679		4.0	14.0	4.0				12.7			11.0	9.0	55	Yes	
27	672		4.0	14.0	4.0				14.5			10.7	9.0	56	Yes	
28	668		4.0	10.0	4.0			19.4	15.0	12.8		10.4	8.1	84	Yes	
29	640		4.5	10.0	4.5			19.1	14.2	12.8		10.5	8.1	84	Yes	
30	629		4.5	10.0	4.5			18.8	14.5	11.7		11.4	8.1	84	Yes	
31	620		4.5	14.0	4.5			18.6	11.8	9.5		11.8	8.1	83	Yes	
SFD	33,028	0	145	416	145	0	0	295	432	192	143	339	16	364	2,485	0
AF	65,511	0	287	825	287	0	0	585	857	380	284	671	31	722	4,928	0
	1065		1,112		287			1,821			284	702		753	80	

Note: Cottonwood via the Landers. May 11-17 some uncontrolled flow from Cottonwood Hd (3-5 cfs)

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

**2019**

<b>Well Name</b>	<b>DATE</b>	<b>Depth to Water (ft)</b>	<b>Notes</b>
Onyx Store - Domestic	5/31/2019	38.45	
Ranch HQ - Domestic	5/31/2019	10	
Landers Sand - Old Ag Well	5/31/2019	14	
Onyx Store - Old Ag Well	5/31/2019	15.7	
Mack Well	5/31/2019	21.85	
Nicoll Field - Old Ag Well	5/31/2019	13.7	
Mack Field West - Domestic	5/31/2019	12.9	
Gibboney-2 Piezo	5/31/2019	4.6	
Gibboney-3 Piezo	5/31/2019	5.15	
Boone Piezo	5/31/2019	3.9	
Lieb Piezo	5/31/2019	4.5	
Pruitt Piezo	5/31/2019	10.6	
Scodie Well	5/31/2019	20.9	
Pruitt Well	5/31/2019	11.85	
Nicoll Well	5/31/2019	14.75	
Mack Piezo	5/31/2019	16.7	