

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

FROM: Dan W. Bartel

DATE: January 14, 2025

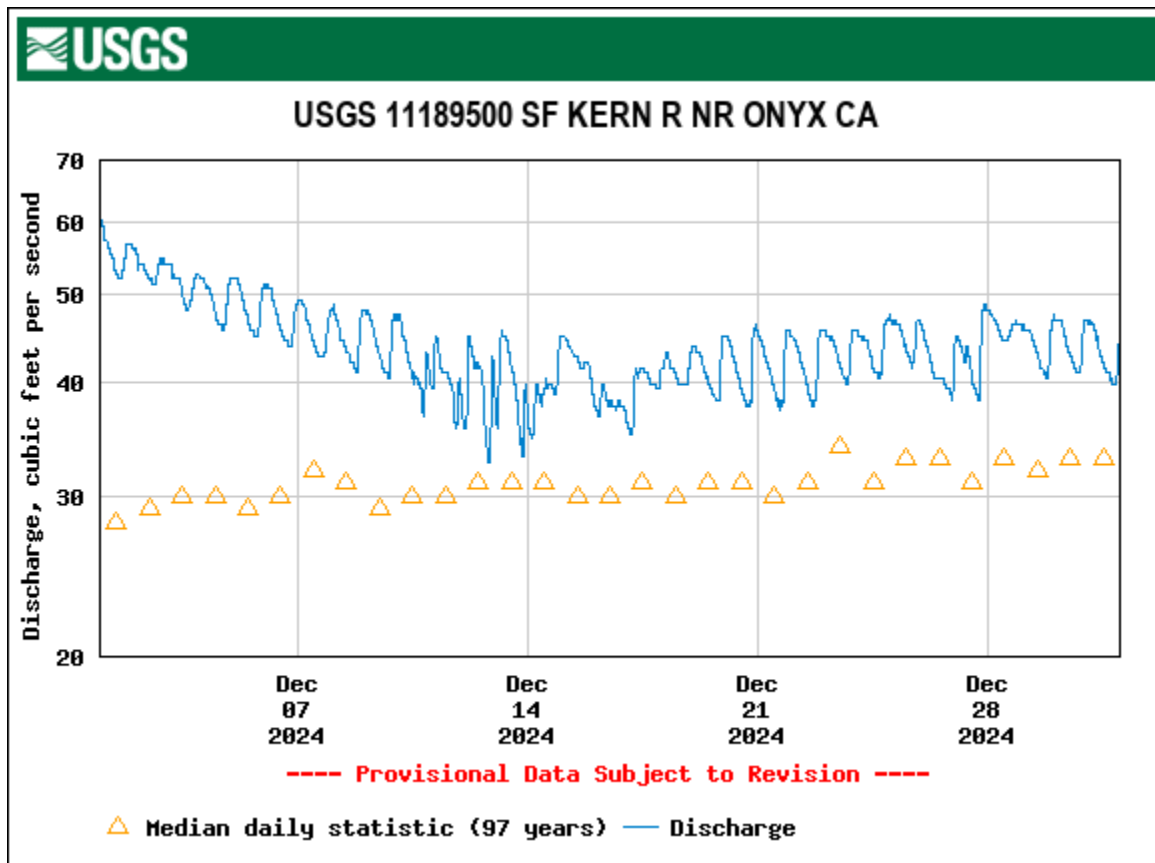
RE: Onyx Ranch Operations Report

Discussion:

Staff has:

- Continued operation of conveyance facilities
- Staff created stream lined daily schedule and log sheets
- USGS did not verify the South Fork station in December
- Staff stream gaged one time during the month
- Staff worked on ditch cleaning

South Fork flows downstream of Bloomfield averaged 46 cfs plus calculated accretions of 3 cfs, for a total average flow of about 49 cfs.



December-2024

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,1/3 Smith)				J.Nicoll (3)	Audubon (4,5,9,Wirth1,17,18) (20-22,Wirth2,27,29,37)			Smith (2/3 Smith)	RRBWS (1/3 Smith)		Total Diverted	South Fork		RRBWS to Isabella	Simulated Per Project Parameters		
	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	Total Smith	Smith	Smith	Redirected "Gross Project Water"	Sierra Way "Flow"	Patterson "Flow"	"Net Project Water"	Redirected "Gross Project Water"	"Net Project Water"		
1	56	57	3										0.0		4.0		1.9	1.2	0.6				6			0	0.0	0
2	53	54	3										0.0		4.0		2.3	1.6	0.8				6			0	0.0	0
3	51	53	3										0.0		4.0		1.8	1.2	0.6				6			0	0.0	0
4	49	51	3.0										0.0		4.5		1.7	1.2	0.6				6			0	0.0	0
5	49	52	3										0.0		4.5		9.5	6.3	3.2				14			0	0.0	0
6	47	51	3										0.0		4.0		9.4	6.2	3.1				13			0	0.0	0
7	46	49	3										0.0		4.0		9.0	6.0	3.0				13			0	0.0	0
8	45	47	3										0.0		4.0		8.4	5.6	2.8				12			0	0.0	0
9	45	47	3										0.0		4.0		9.5	6.3	3.2				13			0	0.0	0
10	42	45	3										0.0		4.5		8.0	5.3	2.7				12			0	0.0	0
11	40	45	3										0.0		4.5		8.0	5.4	2.7				13			0	0.0	0
12	39	45	3										0.0		4.0		8.1	5.4	2.7				12			0	0.0	0
13	40	46	3										0.0		4.0		0.0	0.0	0.0				4			0	0.0	0
14	39	37	3										0.0		4.0		0.0	0.0	0.0				4			0	0.0	0
15	43	44	3										0.0		4.0		0.0	0.0	0.0				4			0	0.0	0
16	38	38	3										0.0		1.5		0.0	0.0	0.0				2			0	0.0	0
17	39	36	3										0.0		6.0		0.0	0.0	0.0				6			0	0.0	0
18	41	43	3										0.0		5.0		0.0	0.0	0.0				5			0	0.0	0
19	41	43	3										0.0		5.0		0.0	0.0	0.0				5			0	0.0	0
20	42	43	3										0.0		7.0		0.0	0.0	0.0				7			0	0.0	0
21	42	43	3	52.6									0.0		7.0		0.0	0.0	0.0				7			0	0.0	0
22	42	43	3										0.0		7.0		0.0	0.0	0.0				7			0	0.0	0
23	43	44	3										0.0		5.0		0.0	0.0	0.0				5			0	0.0	0
24	44	44	3										0.0		5.0		0.0	0.0	0.0				5			0	0.0	0
25	45	46	3										0.0		5.0		0.0	0.0	0.0				5			0	0.0	0
26	41	43	3			5.0							0.0		5.0		0.0	0.0	0.0				10			0	0.0	0
27	43	43	3			4.5							0.0		5.0		0.0	0.0	0.0				10			0	0.0	0
28	46	47	3			4.0							0.0		5.0		0.0	0.0	0.0				9			0	0.0	0
29	44	46	3			5.0							0.0		5.0		0.0	0.0	0.0				10			0	0.0	0
30	44	47	3			5.0							0.0		5.0		0.0	0.0	0.0				10			0	0.0	0
31	44	46	3			4.0					5.0		0.0		5.0		0.0	0.0	0.0				9			0	0.0	0
SFD	1,361	1,417	93		0	0	28	0	0	0	0	5	0	0	0	0	52	26	0	0	0	0	250	0	0	0	0	0
AF	2,700	2,810	184		0	0	55	0	0	0	0	10	0	0	0	279	102	51	0	0	0	0	497	0	0	0	0	0
		46	3			55			0				10		0		1.7	0.8					8			0.0		

Note:

Miller ditch water is being split Prince and Haf. 50/50
 Redirected Historic Irrigation Demand Limit = 43
 USGS SFork at 0500

Bold ## on USGS denotes USGS gage verification
 Smith Ditch off 12/13 - XX/XX for ditch cleaning

Simulated project flows off due to ditch maintenance.

South Fork Kern River Annual Diversion Report - 2024

All units in AF

Date	USGS -Onyx Mean Flow		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) 2/3	Smith (RRB) 1/3	Total South Fork Diverted All Users	South Fork	Simulated Per Project Parameters	
	USGS - Onyx (AF)	Accretions "Estimated"	Mill/Hillside	Miller	Prince	Miller	Scodie/Mack	Landers	Nicoll	Nicoll	Cottonwood	Nicoll	Smith	Smith		Sierra Way "Flow"	Redirected "Gross Project Water"	Net Project
January	4,400	624	0	0	0	0	309	386	0	0	302	38	351	175	1,562	Yes	716	616
February	8,343	663	0	0	0	0	0	0	0	0	169	0	0	0	169	Yes	0	0
March	11,439	492	0	99	215	100	425	724	387	137	296	54	87	43	2,569	Yes	1,458	972
April	34,060	476	0	404	833	405	557	409	395	173	360	43	420	210	4,207	Yes	1,541	1,111
May	25,023	492	0	295	738	295	967	877	461	228	388	30	437	218	4,935	Yes	2,644	1,925
June	6,862	290	0	254	432	254	942	511	294	158	358	69	427	213	4,056	Yes	2,559	1,881
July	2,142	409	0	314	38	314	0	584	460	91	155	41	208	104	2,371	Yes	1,255	922
August	1,266	80	0	219	0	219	0	596	35	94	0	0	73	36	1,290	Closed	600	441
September	1,240	94	0	178	0	178	0	766	0	20	0	0	74	37	1,264	Closed	565	415
October	1,522	122	0	326	0	326	0	810	0	0	11	0	137	69	1,740	Closed	659	484
November	2,579	179	0	167	0	167	0	486	109	0	246	0	190	95	1,498	Closed	730	536
December	2,810	184	0	0	55	0	0	10	0	0	279	0	102	51	497	Closed	0	0
AF	101,688	4,105	0	2,256	2,311	2,257	3,201	6,158	2,141	902	2,562	275	2,505	1,252	26,156		12,726	9,304
					4,567				11,500			2,838						

Note: Cottonwood via the Landers

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

2024

Well Name	DATE	Depth to Water (ft)	Notes
Onyx Store - Domestic	1/2/2025	41.5	
Ranch HQ - Domestic	1/2/2025	34.7	On
Landers Sand - Old Ag Well	1/2/2025	17	
Onyx Store - Old Ag Well	1/2/2025	20.3	
Mack Well	1/3/2025	21.3	
Nicoll Field - Old Ag Well	1/3/2025	14.5	
Mack Field West - Domestic	1/3/2025	12.5	
Gibboney-2 Piezo	1/3/2025	6.2	
Gibboney-3 Piezo	1/3/2025	6.2	
Boone Piezo	1/2/2025	5.3	
Lieb Piezo	1/3/2025	8	
Pruitt Piezo	1/2/2025	13.1	
Scodie Well	1/2/2025	23.3	
Pruitt Well	1/2/2025	14.5	
Nicoll Well	1/3/2025	15	
Mack Piezo	1/2/2025	16.6	
West Onyx Piezo (Top of pipe to the concrete 1.9ft)	1/2/2025	17.7	
East Onyx Piezo (Top of pipe to the concrete 1.4ft)	1/2/2025	23.5	
Smith Piezo #1	1/2/2025	15.6	
Smith Piezo #2	1/2/2025	18.6	
Smith Piezo #3	1/2/2025	16	