

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

FROM: Dan W. Bartel

DATE: March 11, 2025

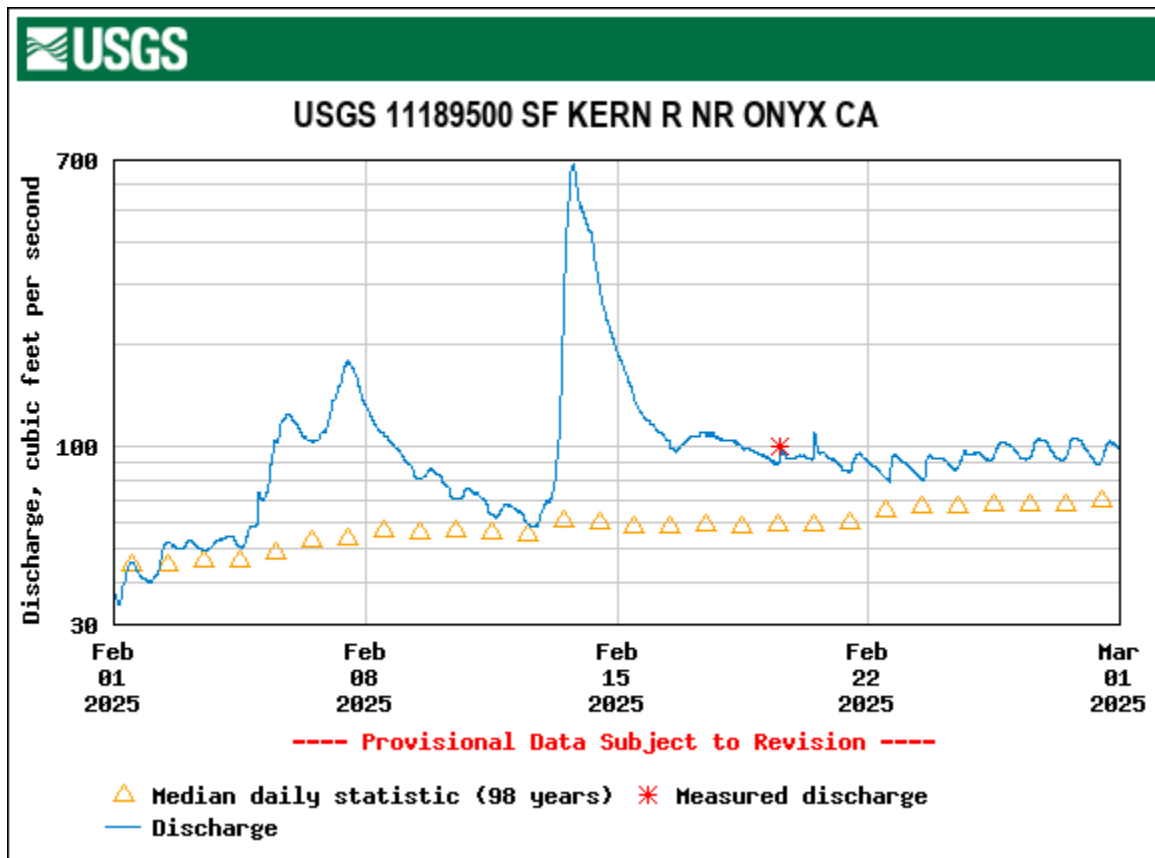
RE: Onyx Ranch Operations Report

Discussion:

Staff has:

- Continued operation of conveyance facilities
- Staff implemented stream lined daily schedule and log sheets
- USGS verified the South Fork station on February 19.
- Staff stream gaged one time during the month
- Staff worked on ditch cleaning
- Staff designing iron treatment system for new stockwater/domestic well
- Staff coordinating with KRI's on starting project flows as soon as possible

South Fork flows downstream of Bloomfield averaged 102 cfs plus calculated accretions of 15 cfs, for a total average flow of about 117 cfs.



Daily values in SFD = Second Foot Days, Monthly total in AF = Acre-Foot

February-2025

Date	South Fork			D.Prince (4,5,17,20-22,37)			Hafenfeld (5)			IRBWS (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)	IRBWS (1/3 Smith)		Total Diverted	South Fork		IRBWS to Isabella		Simulated Per Project Parameters		
	Mean Flow	USGS - Onyx @ 0500	Accretions	Doyle Ranch Road	Mil/Hillside	Miller	Prince	Miller	Landers	Cottonwood	Scodia/Mack	Landers	Nicoll	Redirected "Gross Project Water"	Nicoll	Cottonwood	Nicoll	Total Smith	Smith	Smith		Redirected "Gross Project Water"	Sierra Way "Flow"	Patterson "Flow"	Redirected "Gross Project Water"	"Net Project Water"	Redirected "Gross Project Water"	"Net Project Water"
1	41	36	8			3.0					8.0		0.0		3.0		8.0	5.3	2.7	0.0	22	Y	Y		0	23.0	16	
2	48	42	8			3.0					8.0		0.0		3.0		8.0	5.3	2.7	0.0	22	Y	Y		0	23.0	16	
3	51	51	8			3.0					8.0		0.0		3.0		8.0	5.3	2.7	0.0	22	Y	Y		0	23.0	16	
4	54	54	8			4.0					5.0		0.0		6.0		8.0	5.3	2.7	0.0	23	Y	Y		0	23.0	16	
5	98	70	8			4.0					2.0		0.0		5.0		14.3	9.5	4.8	0.0	25	Y	Y		0	23.0	16	
6	109	108	8			4.0					2.0		0.0		6.0		5.9	3.9	2.0	0.0	18	Y	Y		0	23.0	16	
7	154	140	17	139		5.0					8.0		0.0		3.0		6.7	4.5	2.2	0.0	23	Y	Y		0	23.0	16	
8	111	117	17			5.0					8.0		0.0		3.0		6.0	4.0	2.0	0.0	22	Y	Y		0	23.0	16	
9	85	87	17			5.0					8.0		0.0		3.0		6.0	4.0	2.0	0.0	22	Y	Y		0	23.0	16	
10	75	76	17			4.0					8.0		0.0		3.0		5.5	3.7	1.8	0.0	21	Y	Y		0	23.0	16	
11	67	70	17			4.0					8.0		0.0		3.0		5.4	3.6	1.8	0.0	20	Y	Y		0	0.0	0	
12	63	65	17			4.0					0.0		0.0		0.0		6.1	4.1	2.0	0.0	10	Y	Y		0	0.0	0	
13	310	74	17			4.5					0.5		0.0		0.0		6.6	4.4	2.2	0.0	12	Y	Y		0	0.0	0	
14	328	440	17			4.5					0.5		0.0		0.0		4.8	3.2	1.6	0.0	10	Y	Y		0	0.0	0	
15	145	172	17			4.0					0.5		0.0		0.0		2.5	1.7	0.8	0.0	7	Y	Y		0	0.0	0	
16	105	113	17			4.0					0.5		0.0		0.0		2.5	1.7	0.8	0.0	7	Y	Y		0	0.0	0	
17	108	111	17			4.0					0.5		0.0		0.0		2.5	1.7	0.8	0.0	7	Y	Y		0	0.0	0	
18	100	107	17			4.0					0.5		0.0		0.0		2.6	1.7	0.9	0.0	7	Y	Y		0	0.0	0	
19	93	95	17			4.0					0.5		0.0		0.0		5.3	3.6	1.8	0.0	10	Y	Y		0	0.0	0	
20	95	94	17			4.0					0.5		0.0		0.0		6.0	4.0	2.0	0.0	11	Y	Y		0	0.0	0	
21	90	89	17			4.0					0.5		0.0		0.0		5.8	3.8	1.9	0.0	14	Y	Y		0	0.0	0	
22	88	88	17			4.0					0.5		0.0		0.0		5.5	3.7	1.8	0.0	14	Y	Y		0	0.0	0	
23	88	87	17			4.0					0.0		0.0		0.0		5.5	3.7	1.8	0.0	13	Y	Y		0	0.0	0	
24	92	90	17			4.0					0.0		0.0		0.0		5.4	3.6	1.8	0.0	13	Y	Y		0	0.0	0	
25	97	93	17			3.0					0.0		0.0		0.0		7.0	4.7	2.3	0.0	15	Y	Y		0	0.0	0	
26	98	94	17			3.0					12.0		0.0		0.0		10.4	7.0	3.5	0.0	32	Y	Y		0	23.0	14	
27	99	94	17			3.0					12.0		0.0		0.0		10.8	7.2	3.6	0.0	33	Y	Y		0	23.0	14	
28	97	93	17			10.0					12.0		0.0		0.0		10.4	6.9	3.5	0.0	39	Y	Y		0	23.0	14	
SFD	2,988	2,849	422		0	0	116	0	0	0	0	114	0	0	0	41	0	121	60		493	0	0	0	0	299	203	
AF	5,926	5,651	836		0	0	230	0	0	0	0	226	0	0	81	0	240	120		978	0	0	0	0	593	403		
						230				0			226	0		81	4.3	2.2	120		18				0.0			

Note: Miller ditch water is being split Prince and Nat. 50/50
 Redirected Historic Irrigation Demand Limit = 23
 USGS Fork at 0500
 Bold # on USGS denotes USGS gage verification

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