

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

FROM: Dan W. Bartel

DATE: January 11, 2022

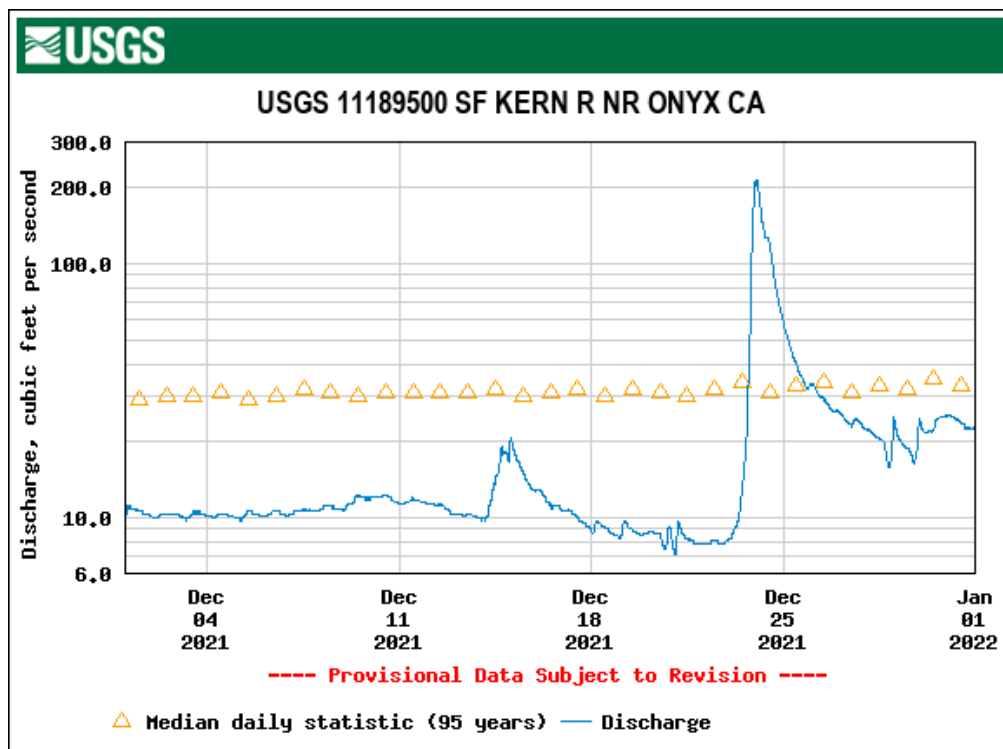
RE: Onyx Ranch Operations Report

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.
- Worked on stockwater systems projects
- Worked on planning for flow metering improvements of other right holders
- Completed and distributed 2021 South Fork water diversion records
- Received Access documents for annual maintenance activities on Boone/Mack/Nicoll and for Smith metering
- 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 with hopes of implementation for February 1, 2022.

Onyx Ranch diverted 792 AF in November. Wells were operated to supplement the available surface water supplies. South Fork flows downstream of Bloomfield averaged 18 cfs with a peak of 200 cfs, below the long-term median of 31 cfs.



South Fork Kern River Monthly Measurement Report

Feb-21

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	28													6.8	7	Yes
2	30													6.9	7	Yes
3	30			0.3								6.6		6.9	14	Yes
4	28			0.3								6.5		7.0	14	Yes
5	26			0.3								6.3		7.0	14	Yes
6	27			0.3								6.7		7.0	14	Yes
7	28			0.3								6.6		7.0	14	Yes
8	28			0.3								6.9		8.7	16	Yes
9	28			10.0								7.3		8.7	26	Yes
10	32			10.0								7.6		8.9	26	Yes
11	30			10.0								7.5		8.7	26	Yes
12	31			10.0								9.7		9.1	29	Yes
13	34			12.0								9.7		9.3	31	Yes
14	30			12.0								6.0		9.0	27	Yes
15	28			11.0								6.0		8.9	26	Yes
16	30			7.0								7.6		8.6	23	Yes
17	29			5.0								6.9		7.5	19	Yes
18	28			7.0								6.7		7.3	21	Yes
19	27			5.0								9.2		7.3	21	Yes
20	28			5.0								11.1		7.4	24	Yes
21	28			5.0								11.4		7.4	24	Yes
22	27			5.0								11.1		7.4	24	Yes
23	27			0.5								10.9		7.5	19	Yes
24	28			2.0							7.3	10.0		7.5	27	Yes
25	28		3.0	6.0	3.0						6.5	8.9	3.0	7.6	38	Yes
26	28		4.0	6.0	4.0						7.3	6.9	3.1	7.6	39	Yes
27	28		4.2	4.0	4.2						7.2	7.1	3.2	7.5	37	Yes
28	29		4.9	4.0	4.9						6.1	7.0	2.7	7.6	37	Yes
SFD	806	0	16	138	16	0	0	0	0	0	34	208	12	218	643	0
AF	1,599	0	32	274	32	0	0	0	0	0	68	413	24	433	1,275	0
	29			305			32			0	68			437	457	23

Note: Cottonwood via the Landers

South Fork Kern River Monthly Measurement Report

Mar-21

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	29		4.8	3.0	4.8					7.8		6.8	7.7	35	Yes	
2	29		4.5	6.0	4.5				6.8	7.7			7.6	37	Yes	
3	29		4.5	5.0	4.5				7.0	7.7			7.6	36	Yes	
4	29		4.4	4.0	4.4				6.9	7.6			7.7	35	Yes	
5	28		4.5	4.0	4.5				6.8	7.8			7.8	35	Yes	
6	28		4.4	4.0	4.4				6.9	7.7			7.8	35	Yes	
7	29		4.4	4.0	4.4				7.2	7.8			7.9	36	Yes	
8	31		4.4	4.0	4.4				7.5	8.0			8.0	36	Yes	
9	32		4.4	3.0	4.4				13.1	7.1			8.0	40	Yes	
10	32		4.3	2.0	4.3				15.9	7.7			7.9	42	Yes	
11	32		4.6	3.0	4.6				16.1			5.6	8.0	42	Yes	
12	30		4.7	3.0	4.7				14.9			3.8	7.8	39	Yes	
13	27		4.6	2.0	4.6				14.6			3.6	7.6	37	Yes	
14	27		4.0	2.0	4.0				11.6		6.8		7.6	36	Yes	
15	36		4.4	2.0	4.4				10.0		8.9		8.3	38	Yes	
16	35		4.4	4.0	4.4				8.5		8.6		8.7	39	Yes	
17	32		4.5	4.0	4.5				7.9		7.9		8.3	37	Yes	
18	34		4.4	3.0	4.4				7.9		7.3		7.9	35	Yes	
19	36		4.3	4.0	4.3				8.0		8.0		7.8	36	Yes	
20	41		4.8	3.0	4.8				15.6		8.6		8.1	45	Yes	
21	49		5.6	6.0	5.6				14.1			6.6	8.4	46	Yes	
22	46		5.0	5.0	5.0				13.9			6.5	8.5	44	Yes	
23	43		4.7	7.0	4.7				15.3	10.5			8.8	51	Yes	
24	41		3.9	5.0	3.9				11.8	12.2			8.6	45	Yes	
25	37		3.9	5.0	3.9				11.7	11.7			8.4	44	Yes	
26	38		3.7	4.0	3.7				12.0	11.7			8.6	44	Yes	
27	38		3.6	2.0	3.6				12.3	11.8			8.3	42	Yes	
28	38		3.6	2.0	3.6				12.4	11.8			8.3	42	Yes	
29	37		3.4	2.0	3.4				12.9	11.6			8.4	42	Yes	
30	40		3.3	3.0	3.3				14.2		11.7		8.7	44	Yes	
31	42		2.8	3.0	2.8				16.1		9.3		8.9	43	Yes	
SFD	1,075	0	133	113	133	0	0	0	340	158	77	20	13	252	1,239	0
AF	2,132	0	263	224	263	0	0	0	674	314	153	40	26	500	2,457	0

35

488

263

988

153

65

526

40

Note: Cottonwood via the Landers

South Fork Kern River Monthly Measurement Report

Apr-21

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	41		4.6	3.0	4.6				16.1		8.0			9.1	45	Yes
2	40		4.7	2.0	4.7				16.0		7.9			8.6	44	Yes
3	41		4.6	2.0	4.6				15.8		7.9			8.8	44	Yes
4	43		4.7	2.0	4.7				16.2				8.0	9.2	45	Yes
5	44		4.6	3.0	4.6				16.1	10.4				9.2	48	Yes
6	43		4.3	2.0	4.3				16.3	10.7				9.2	47	Yes
7	42		4.6	3.0	4.6				16.2	10.0				8.9	47	Yes
8	41		4.5	2.0	4.5				16.5	9.5				8.7	46	Yes
9	40		4.8	2.0	4.8				16.3	9.4				8.4	46	Yes
10	40		4.6	2.0	4.6				16.2	9.4				8.1	45	Yes
11	39		4.5	2.0	4.5				16.8	9.3				8.3	45	Yes
12	37		4.1	2.0	4.1				16.6	9.1				8.5	44	Yes
13	36		4.1	2.0	4.1				16.3		8.9			8.6	44	Yes
14	36		3.9	2.0	3.9				16.4		8.7			8.5	43	Yes
15	34		3.9	2.0	3.9				15.5		8.7			8.5	43	Yes
16	33		3.5	1.0	3.5				15.0		8.5			8.4	40	Yes
17	32		3.3	1.0	3.3				14.8		8.5			8.3	39	Yes
18	31		3.1	1.0	3.1				13.4	10.3				8.2	39	Yes
19	30		2.7	1.0	2.7				14.0	10.9				8.1	39	Yes
20	29		4.4	0.3	4.4				13.2	9.6				7.0	39	Yes
21	28		7.9	1.0	7.9				10.9	8.1				6.6	42	Yes
22	29		7.8	2.0	7.8				11.1	8.5				6.6	44	Yes
23	29		7.6	1.0	7.6				9.9	8.7				6.6	41	Yes
24	30		7.7	1.0	7.7				9.5	8.7				6.6	41	Yes
25	28		6.9	1.0	6.9				9.9	8.6				6.6	40	Yes
26	28		7.0	1.0	7.0				15.5	8.7				6.6	46	Yes
27	28		6.5	2.0	6.5				11.7		5.3			6.6	39	Yes
28	28		6.5	0.5	6.5				8.6		5.5			6.5	34	Yes
29	27		6.5	1.0	6.5				11.6		8.0			6.4	40	Yes
30	26		6.3	1.0	6.3				9.7		7.8			6.3	37	Yes
SFD	1,034	0	154	49	154	0	0	0	422	160	94	0	8	236	1,277	0
AF	2,050	0	305	97	305	0	0	0	837	318	186	0	16	469	2,532	0
	34		402				305			1,154	186		16	469	43	

Note: Cottonwood via the Landers

South Fork Kern River Monthly Measurement Report

May-21

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	25		5.5	0.5	5.5				9.8		7.6			6.2	35	Yes
2	24		5.0	0.5	5.0				13.7		7.6			6.2	38	Yes
3	24		5.3	0.5	5.3				15.3					6.1	33	Yes
4	23		5.5	0.5	5.5				9.2	7.5				5.9	34	Yes
5	23		5.0		5.0				8.2	8.5				5.7	32	Yes
6	22		4.5		4.5				9.2	8.0				5.5	32	Yes
7	21		4.5		4.5				9.0	7.9				5.4	31	Yes
8	20		4.0		4.0				8.5	7.8				5.3	30	Yes
9	19		4.0		4.0				8.4	7.7				5.2	29	Yes
10	19		4.0		4.0				8.2	8.1				5.0	29	Yes
11	18		3.8		3.8				7.6	7.2				4.8	27	Yes
12	18		4.0		4.0				6.3		6.3			4.4	25	Yes
13	17		3.8		3.8				6.9		6.2			4.2	25	Yes
14	16		3.8	0.5	3.8				6.5		6.2			4.0	25	Yes
15	16		3.0	0.5	3.0				5.0		6.2			4.0	22	Yes
16	15		3.0	0.5	3.0				5.0		6.3			4.0	22	Yes
17	17		2.5		2.5				12.0		6.1			4.3	27	Yes
18	17		1.8	0.5	1.8				11.0					4.3	19	Yes
19	16		1.4		1.4				9.0					4.2	16	Yes
20	15		1.0		1.0				8.0					4.0	14	Yes
21	15		2.2		2.2				8.0					3.9	16	Yes
22	15		2.7	0.5	2.7				8.0					4.3	18	Yes
23	15		3.2	0.5	3.2				8.5					4.5	20	Yes
24	16		3.0		3.0				9.0					4.8	20	Yes
25	15		2.5		2.5				9.0					4.8	19	Yes
26	15		2.3		2.3				8.0		1.0			4.3	18	Yes
27	15		2.5		2.5				6.0		3.0			3.6	18	Yes
28	14		2.5		2.5				1.0		7.0			3.4	16	Yes
29	13		2.0		2.0						7.0			3.1	14	Yes
30	12		2.0		2.0						7.0			2.9	14	No
31	12		2.0		2.0						7.0			2.8	14	
SFD	542	0	102	5	102	0	0	0	234	63	85	0	0	141	732	0
AF	1,074	0	202	10	202	0	0	0	465	124	168	0	0	280	1,451	0
	17		212		202				589		168	0		280	24	

Note: Cottonwood via the Landers.
May 26- June 2 water exchanged between Nicoll and Landers

South Fork Kern River Monthly Measurement Report

Jun-21

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	11		1.5		1.5						7.0			2.6	13	Yes
2	11		0.8		0.8						8.0			2.4	12	Yes
3	10		0.4		0.4				10.1					2.4	13	Yes
4	10		0.1		0.1				9.0					2.8	12	Yes
5	10								8.5					2.9	11	Yes
6	9								8.5					2.7	11	Yes
7	9								7.0					2.6	10	Yes
8	9								7.5					2.6	10	Yes
9	8								7.5					2.6	10	Yes
10	8								8.0					2.5	10	Yes
11	8								8.0					2.3	10	Yes
12	8								7.5					2.4	10	Yes
13	7								7.5					2.3	10	Yes
14	7								7.0					2.3	9	Yes
15	6								6.0					5.2	11	Yes
16	6								5.0					11.3	16	Yes
17	5								4.5					10.0	15	Yes
18	5								4.0					8.7	13	Yes
19	5								4.0					9.0	13	Yes
20	4								4.5					8.8	13	Yes
21	5								4.5					8.5	13	Yes
22	4								3.4					8.6	12	Yes
23	4								3.5					1.3	5	Yes
24	4								3.5					1.3	5	Yes
25	4								3.8					1.4	5	Yes
26	4								3.7					1.3	5	Yes
27	4								4.0					1.2	5	Yes
28	4								3.9					1.1	5	Yes
29	4								3.0					0.3	3	Yes
30	4								3.5					0.3	4	Yes
SFD	196	0	3	0	3	0	0	0	161	0	15	0	0	114	295	0
AF	390	0	5	0	5	0	0	0	319	0	30	0	0	225	585	0
	7			5			5			319	30		0	225		

Note: Cottonwood via the Landers
May 26- June 2 water exchanged between Nicoll and Landers

South Fork Kern River Monthly Measurement Report

Jul-21

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	4								3.5					0.3	4	Yes
2	4								3.5					0.3	4	Yes
3	4								3.5					0.3	4	Yes
4	3								3.9					0.3	4	Yes
5	3								3.9					0.0	4	Yes
6	3								3.0					0.0	3	Yes
7	3								3.0					0.0	3	Yes
8	3								2.9					0.0	3	Yes
9	3								3.0					0.0	3	Yes
10	3								2.5					0.0	3	Yes
11	3								2.5					0.0	3	Yes
12	3								2.8						3	Yes
13	3								2.0						2	Yes
14	3								2.5						3	Yes
15	3								2.9						3	Yes
16	3								3.0						3	Yes
17	3								2.5						3	Yes
18	3								2.5						3	Yes
19	3								2.9						3	No
20	3								3.0						3	No
21	3								2.0						2	No
22	3								3.0						3	No
23	3								2.5						3	No
24	3								2.5						3	No
25	3								2.5						3	No
26	3								2.4					0.5	3	No
27	3								2.5					0.5	3	No
28	4								2.0					0.5	3	No
29	3								2.0					0.5	3	No
30	4								2.0					0.5	3	No
31	4								0.5					0.5	1	No
SFD	96	0	0	0	0	0	0	0	83	0	0	0	0	4	87	
AF	191	0	0	0	0	0	0	0	165	0	0	0	0	8	173	
	3								165					8		

Note: Cottonwood via the Landers

South Fork Kern River Monthly Measurement Report

Aug-21

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	5								1.5					0.5	2	No
2	4								2.0					2.1	4	No
3	4								1.5					2.1	4	No
4	3								1.5					2.1	4	No
5	3								2.0					2.1	4	No
6	3								2.0					2.1	4	No
7	3								1.5					2.1	4	No
8	3								2.0					2.1	4	No
9	3								1.5					2.0	4	No
10	3								1.5					2.0	4	No
11	3								1.5					2.0	4	No
12	3								1.5					2.0	4	No
13	3								1.5					2.0	4	No
14	3								1.0					2.0	3	No
15	3								1.5					2.0	4	No
16	3								1.0					2.0	3	No
17	3								1.0					2.0	3	No
18	3								1.5					2.0	4	No
19	3								0.5					2.0	3	No
20	3								1.5					2.0	4	No
21	3								0.5					2.0	3	No
22	3								1.5					2.0	4	No
23	4								2.0					2.4	4	No
24	4								1.5					2.4	4	No
25	4								0.5					2.4	3	No
26	3								0.5					2.4	3	No
27	3								0.5					2.4	3	No
28	3								0.5					2.4	3	No
29	3								1.0					2.4	3	No
30	3								1.0					1.7	3	No
31	3								1.0					1.7	3	No
SFD	97	0	0	0	0	0	0	0	40	0	0	0	0	64	104	0
AF	192	0	0	0	0	0	0	0	79	0	0	0	0	126	205	0
	3								79					126		

Note: Cottonwood via the Landers

South Fork Kern River Monthly Measurement Report

Sep-21

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	3								1.0					1.7	3	No
2	3								1.0					1.7	3	No
3	3													1.7	2	No
4	3													1.7	2	No
5	3								1.0					1.7	3	No
6	3													1.7	2	No
7	3													1.7	2	No
8	3													1.7	2	No
9	3													1.7	2	No
10	3													1.7	2	No
11	4													1.7	2	No
12	4													1.7	2	No
13	4													2.0	2	No
14	4													2.0	2	No
15	4													2.0	2	No
16	4													2.0	2	No
17	4													2.0	2	No
18	4													2.0	2	No
19	4													2.0	2	No
20	4								1.0					0.0	1	No
21	4								2.5					0.0	3	No
22	4								2.5					0.0	3	No
23	4								2.5					0.0	3	No
24	4								2.5					0.0	3	No
25	4								2.5					0.0	3	No
26	4								2.5					0.0	3	No
27	4								2.5					0.0	3	No
28	5								2.5					0.0	3	No
29	5								2.5					0.0	3	No
30	5								3.0					0.0	3	No
SFD	109	0	0	0	0	0	0	0	30	0	0	0	0	34	64	0
AF	215	0	0	0	0	0	0	0	59	0	0	0	0	68	127	0
	4	0			0			59			0	0		68		

Note:

South Fork Kern River Monthly Measurement Report

Oct-21

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	5								3.0						3	No
2	5								3.5						4	No
3	5								3.5						4	No
4	5								3.5						4	No
5	5								4.5						5	No
6	5								3.5						4	No
7	5								3.5						4	No
8	5								5.0						5	No
9	5								5.6						6	No
10	6								6.0						6	No
11	6								5.6						6	No
12	6								6.0						6	No
13	6								6.3						6	No
14	6								6.1						6	No
15	6								6.8						7	No
16	6								6.2						6	No
17	6								6.0						6	No
18	6								6.6						7	No
19	6								6.6						7	No
20	6								6.5						6	No
21	6								7.4						7	No
22	6								8.0						8	No
23	7								10.2						10	No
24	7								10.6						11	No
25	8								10.9						11	No
26	11								13.1						13	No
27	10								11.5						11	No
28	9								9.1						9	No
29	8								9.5						9	No
30	8								9.9						10	No
31	8								9.0						9	No
SFD	197	0	0	0	0	0	0	0	213	0	0	0	0	0	213	0
AF	390	0	0	0	0	0	0	0	423	0	0	0	0	0	423	0
	6									423	0			0	7	

Note:

South Fork Kern River Monthly Measurement Report

Nov-21

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	9								10.3						10	No
2	10								13.5						13	No
3	10								13.7						14	No
4	10								11.4						11	No
5	10								12.6						13	No
6	10								11.2						11	No
7	9								11.6						12	No
8	9								12.5						12	No
9	9								11.8						12	No
10	10								11.9						12	No
11	10								12.5						12	No
12	10								13.5						14	No
13	10								13.0						13	No
14	10								10.5						10	No
15	10								13.2						13	No
16	10								12.6						13	No
17	10								12.3						12	No
18	10								11.1						11	No
19	10								11.4						11	No
20	10								11.5						12	No
21	10								11.7						12	No
22	10								12.1						12	No
23	10								12.1						12	No
24	10								12.0						12	No
25	10								11.9						12	No
26	10								11.3						11	No
27	10								10.8						11	No
28	9								12.3						12	No
29	10								11.9						12	No
30	10								12.1						12	No
SFD	295	0	0	0	0	0	0	0	360	0	0	0	0	0	360	
AF	585	0	0	0	0	0	0	0	714	0	0	0	0	0	714	

10

0

0

714

0

0

0

Note:

Cottonwood via the Landers

South Fork Kern River Monthly Measurement Report

Dec-21

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	10								12.4						12	No
2	10								12.0						12	No
3	10								12.9						13	No
4	10								12.1						12	No
5	10								12.4						12	No
6	10								12.8						13	No
7	10								12.8						13	No
8	11								12.6						13	No
9	12								16.9						17	No
10	12								13.6						14	No
11	12								15.7						16	No
12	11								14.5						14	No
13	10								14.3						14	No
14	14								14.7						15	No
15	15								17.7						18	No
16	12								17.7						18	No
17	10								17.7						18	No
18	9								17.7						18	No
19	9								17.7						18	No
20	8								17.7						18	No
21	8								15.0						15	No
22	8								11.2						11	No
23	41								12.3						12	No
24	120								12.0						12	No
25	41								7.4						7	No
26	29								7.5						8	No
27	24								5.5						6	Yes
28	20								5.3						5	Yes
29	20								8.7						9	Yes
30	23								8.8						9	Yes
31	24								9.7						10	Yes
SFD	573	0	0	0	0	0	0	0	399	0	0	0	0	0	389	
AF	1,137	0	0	0	0	0	0	0	792	0	0	0	0	0	772	
	18			0			0			792	0		0	0		

LB

South Fork Kern River Annual Diversion Report - 2021

All units in AF

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"
January	1,542	0	0	111	0	0	0	0	609	0	0	350	0	433	1,504	Yes
February	1,599	0	32	274	32	0	0	0	0	0	68	413	24	433	1,275	Yes
March	2,132	0	263	224	263	0	0	0	674	314	153	40	26	500	2,457	Yes
April	2,050	0	305	97	305	0	0	0	837	318	186	0	16	469	2,532	Yes
May	1,074	0	202	10	202	0	0	0	465	124	168	0	0	280	1,451	Yes
June	390	0	5	0	5	0	0	0	319	0	30	0	0	225	585	No
July	191	0	0	0	0	0	0	0	165	0	0	0	0	8	173	No
August	192	0	0	0	0	0	0	0	79	0	0	0	0	126	205	No
September	215	0	0	0	0	0	0	0	59	0	0	0	0	68	127	No
October	390	0	0	0	0	0	0	0	423	0	0	0	0	0	423	No
November	585	0	0	0	0	0	0	0	714	0	0	0	0	0	714	No
December	1,137	0	0	0	0	0	0	0	792	0	0	0	0	0	772	Yes
AF	11,497	0	808	716	808	0	0	0	5,135	756	605	803	66	2,542	12,219	Yes
				1,524			808			5,891			868			

Note: Cottonwood via the Landers

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

2021

Well Name	DATE	Depth to Water (ft)	Notes
Onyx Store - Domestic			
Ranch HQ - Domestic			
Landers Sand - Old Ag Well	1/1/2022	19	
Onyx Store - Old Ag Well	1/1/2022	22.7	
Mack Well	12/31/2021	26.2	
Nicoll Field - Old Ag Well	12/31/2021	20.3	
Mack Field West - Domestic	12/31/2021	15.7	
Gibboney-2 Piezo	1/1/2022	6	
Gibboney-3 Piezo	1/1/2022	8.3	
Boone Piezo	1/1/2022	10.7	
Lieb Piezo	12/31/2021	9.1	
Pruitt Piezo	1/1/2022	16.4	
Scodie Well	1/1/2022	27	
Pruitt Well	1/1/2022	17.5	
Nicoll Well	12/31/2021	20.6	
Mack Piezo	1/1/2022	20.3	