

2021 KERN RIVER



2021
HYDROGRAPHIC ANNUAL REPORT

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HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
		Measurements and Estimates were not made prior to September 29, 1893...															
1893	acre-feet										32,864	30,827	31,757	--	--	--	--
	mean s.f.d.										534	518	516	--	--	--	--
1894	acre-feet	40,647	39,816	61,548	88,974	98,801	64,564	43,061	20,565	14,759	17,179	14,501	28,911	533,326	--	--	--
	mean s.f.d.	661	717	1,001	1,495	1,607	1,085	700	334	248	279	244	470	--	2,208	172	737
1895	acre-feet	49,769	69,521	84,456	162,071	268,635	172,890	91,133	38,672	20,452	20,091	20,604	24,758	1,023,052	--	--	--
	mean s.f.d.	809	1,252	1,374	2,724	4,369	2,906	1,482	629	344	327	346	403	--	5,583	276	1,413
1896	acre-feet	45,951	35,510	58,494	57,864	86,174	146,124	82,760	29,885	18,061	16,401	21,108	21,360	619,692	--	--	--
	mean s.f.d.	747	617	951	972	1,401	2,456	1,346	486	304	267	355	347	--	3,611	223	854
1897	acre-feet	22,949	44,941	56,756	173,393	281,639	137,393	61,837	28,842	17,728	20,888	21,146	25,922	893,434	--	--	--
	mean s.f.d.	373	809	923	2,914	4,580	2,309	1,006	469	298	340	355	422	--	5,342	260	1,234
1898	acre-feet	22,332	24,105	23,882	42,248	45,213	32,809	15,033	7,390	6,885	9,830	9,884	12,216	251,827	--	--	--
	mean s.f.d.	363	434	388	710	735	551	244	120	116	160	166	199	--	1,342	80	348
1899	acre-feet	16,185	16,754	36,279	53,133	51,353	79,178	30,046	9,600	6,248	9,852	13,180	17,064	338,872	--	--	--
	mean s.f.d.	263	302	590	893	835	1,331	489	156	105	160	221	278	--	4,932	86	468
1900	acre-feet	22,266	15,562	25,384	28,102	68,295	76,366	24,125	8,860	9,903	9,808	20,787	22,915	332,373	--	--	--
	mean s.f.d.	362	280	413	472	1,111	1,283	392	144	166	160	349	373	--	1,969	101	459
1901	acre-feet	30,337	47,760	78,109	83,190	186,446	197,792	114,613	59,536	20,535	19,468	22,429	19,874	880,089	--	--	--
	mean s.f.d.	493	860	1,270	1,398	3,032	3,324	1,864	968	345	317	377	323	--	4,419	226	1,216
1902	acre-feet	17,407	20,582	48,546	107,403	109,904	128,853	43,436	19,172	11,695	12,242	16,739	16,560	552,539	--	--	--
	mean s.f.d.	283	371	790	1,805	1,787	2,165	706	312	197	199	281	269	--	3,758	160	763
1903	acre-feet	21,531	25,192	35,575	74,315	132,097	139,222	53,355	18,623	11,357	10,681	12,107	12,340	546,395	--	--	--
	mean s.f.d.	350	454	579	1,249	2,148	2,340	868	303	191	174	203	201	--	3,374	150	755
1904	acre-feet	11,982	19,902	40,996	59,812	113,205	103,904	39,725	28,733	15,901	26,955	17,006	14,828	492,949	--	--	--
	mean s.f.d.	195	346	667	1,005	1,841	1,746	646	467	267	438	286	241	--	3,167	156	679
1905	acre-feet	17,258	22,001	50,598	62,047	117,748	132,766	53,835	20,134	12,563	12,744	14,041	16,074	531,809	--	--	--
	mean s.f.d.	281	396	823	1,043	1,915	2,231	876	327	211	207	236	261	--	3,247	165	735
1906	acre-feet	42,623	34,750	126,844	173,143	360,234	458,418	399,841	141,384	57,925	37,464	29,931	37,983	1,900,540	--	--	--
	mean s.f.d.	693	626	2,063	2,910	5,859	7,704	6,503	2,299	973	609	503	618	--	9,684	222	2,625
1907	acre-feet	41,697	56,834	83,272	197,720	199,950	183,995	97,083	41,940	24,623	22,428	19,747	21,611	990,900	--	--	--
	mean s.f.d.	678	1,023	1,354	3,323	3,252	3,092	1,579	682	414	365	332	351	--	--	--	1,369
1908	acre-feet	27,878	32,481	65,079	79,320	79,418	60,305	41,851	32,378	21,763	21,487	18,206	18,337	498,503	--	--	--
	mean s.f.d.	453	565	1,058	1,333	1,292	1,013	681	527	366	349	306	298	--	--	--	687
1909	acre-feet	118,441	125,050	128,649	247,402	382,617	394,086	194,870	66,224	43,448	31,214	34,350	72,292	1,838,643	--	--	--
	mean s.f.d.	1,926	2,252	2,092	4,158	6,223	6,623	3,169	1,077	730	508	577	1,176	--	11,870	295	2,540
1910	acre-feet	73,523	48,904	85,085	102,883	127,733	79,464	42,046	24,216	17,201	18,976	18,881	19,999	658,911	--	--	--
	mean s.f.d.	1,196	881	1,384	1,729	2,077	1,335	684	394	289	309	317	325	--	4,847	222	910

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1911	acre-feet	38,241	53,944	80,166	138,113	184,481	222,076	156,498	45,880	25,222	25,422	21,691	21,650	1,013,384	--	--	--
	mean s.f.d.	622	971	1,304	2,321	3,000	3,732	2,545	746	424	413	365	352	--	5,383	273	1,400
1912	acre-feet	23,320	21,302	28,090	37,246	80,471	100,925	33,170	16,653	10,899	11,780	11,772	11,804	387,432	--	--	--
	mean s.f.d.	379	370	457	626	1,309	1,696	539	271	183	192	198	192	--	3,220	147	534
1913	acre-feet	13,019	15,731	25,191	42,494	73,561	60,738	34,929	31,454	25,357	13,402	15,368	16,596	367,840	--	--	--
	mean s.f.d.	212	283	410	714	1,196	1,021	568	512	426	218	258	270	--	1,976	126	508
1914	acre-feet	116,541	62,575	102,739	144,934	210,676	201,064	128,338	55,127	25,240	24,462	20,390	21,427	1,113,513	--	--	--
	mean s.f.d.	1,895	1,127	1,671	2,436	3,426	3,379	2,087	897	424	398	343	348	--	18,287	285	1,538
1915	acre-feet	22,500	30,254	48,536	80,916	124,506	172,324	77,496	24,668	16,457	14,452	14,858	19,320	646,287	--	--	--
	mean s.f.d.	366	545	789	1,360	2,025	2,896	1,260	401	277	235	250	314	--	4,249	203	891
1916	acre-feet	172,346	202,510	378,116	481,749	472,994	391,700	225,154	56,755	33,808	41,774	30,879	32,364	2,520,149	--	--	--
	mean s.f.d.	2,803	3,521	6,149	8,096	7,693	6,583	3,662	923	568	679	519	526	--	17,962	274	3,481
1917	acre-feet	40,128	44,894	65,242	126,329	165,062	187,638	81,275	36,990	19,696	17,970	18,488	19,370	823,082	--	--	--
	mean s.f.d.	653	808	1,061	2,123	2,684	3,153	1,322	602	331	292	311	315	--	4,331	267	1,137
1918	acre-feet	18,918	18,559	48,087	74,513	78,722	136,753	44,828	20,807	17,562	32,555	22,160	25,039	538,503	--	--	--
	mean s.f.d.	308	334	782	1,252	1,280	2,298	729	338	295	529	372	407	--	3,478	227	744
1919	acre-feet	21,098	23,002	37,973	86,574	140,215	81,844	34,364	16,288	11,722	13,835	13,884	18,325	499,124	--	--	--
	mean s.f.d.	343	414	618	1,455	2,280	1,375	559	265	197	225	233	298	--	4,299	156	689
1920	acre-feet	17,220	18,044	40,397	83,370	158,904	137,840	50,699	22,431	14,949	16,596	19,490	20,703	600,643	--	--	--
	mean s.f.d.	280	314	657	1,401	2,584	2,316	825	365	251	270	328	337	--	4,456	196	827
1921	acre-feet	23,520	30,791	55,402	51,723	100,096	120,387	49,119	18,073	12,595	13,180	12,960	21,673	509,519	--	--	--
	mean s.f.d.	383	554	901	869	1,628	2,023	799	294	212	214	218	352	--	3,548	110	704
1922	acre-feet	30,682	33,846	52,468	84,407	242,259	202,395	88,649	37,061	23,772	17,770	19,835	28,282	861,426	--	--	--
	mean s.f.d.	499	609	853	1,419	3,940	3,401	1,442	603	400	289	333	460	--	5,300	196	1,190
1923	acre-feet	26,863	25,720	31,372	73,355	120,849	82,528	55,800	22,322	18,054	15,495	14,348	13,809	500,515	--	--	--
	mean s.f.d.	437	463	510	1,233	1,965	1,387	908	363	303	252	241	225	--	3,275	179	691
1924	acre-feet	13,676	13,702	15,953	28,540	41,722	14,069	8,225	5,881	5,494	7,642	14,196	18,627	187,727	--	--	--
	mean s.f.d.	222	238	259	480	679	236	134	96	92	124	239	303	--	1,073	74	259
1925	acre-feet	17,992	26,333	31,299	56,408	102,016	96,252	58,437	25,938	11,405	12,906	12,305	14,622	465,913	--	--	--
	mean s.f.d.	293	474	509	948	1,659	1,618	950	422	192	210	207	238	--	2,819	148	635
1926	acre-feet	12,022	15,667	24,739	66,079	98,598	49,530	18,575	9,522	7,029	8,358	28,493	28,094	366,706	--	--	--
	mean s.f.d.	196	282	402	1,110	1,604	832	302	155	118	136	479	457	--	6,511	74	507
1927	acre-feet	20,485	75,279	73,083	100,362	184,721	161,153	75,481	26,817	14,842	14,037	27,180	19,140	792,580	--	--	--
	mean s.f.d.	333	1,355	1,189	1,687	3,004	2,708	1,228	436	249	228	457	311	--	6,571	188	1,095
1928	acre-feet	18,452	17,818	32,668	37,757	76,885	60,344	18,716	9,189	6,583	8,732	11,974	13,710	312,828	--	--	--
	mean s.f.d.	300	310	531	635	1,250	1,014	304	149	111	142	201	223	--	2,058	101	431
1929	acre-feet	13,864	14,654	25,176	39,064	85,995	63,487	30,986	12,797	9,146	8,793	9,035	9,961	322,958	--	--	--
	mean s.f.d.	225	264	409	656	1,399	1,067	504	208	154	143	152	162	--	2,003	119	446
1930	acre-feet	12,234	20,099	34,550	53,506	67,851	82,824	28,401	11,819	7,743	9,314	11,042	10,590	349,973	--	--	--
	mean s.f.d.	199	362	562	899	1,103	1,392	462	192	130	151	186	172	--	2,423	118	483

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1931	acre-feet	12,284	13,785	15,784	23,440	41,867	24,262	8,493	6,302	6,860	6,817	8,241	17,510	185,645	--	--	--
	mean s.f.d.	200	248	257	394	681	408	138	102	115	111	138	285	--	2,261	71	256
1932	acre-feet	22,235	39,596	68,647	111,273	154,742	166,404	94,013	28,243	13,593	13,942	12,077	12,962	737,727	--	--	--
	mean s.f.d.	362	688	1,116	1,870	2,517	2,797	1,529	459	228	227	203	211	--	3,726	180	1,016
1933	acre-feet	17,175	21,021	36,244	57,265	60,026	125,395	56,898	18,692	10,062	10,893	10,776	16,639	441,086	--	--	--
	mean s.f.d.	279	379	589	962	976	2,107	925	304	169	177	181	271	--	3,769	144	609
1934	acre-feet	20,033	16,842	27,429	39,919	43,065	21,820	11,341	6,948	7,043	8,196	11,272	13,757	227,665	--	--	--
	mean s.f.d.	326	303	446	671	700	367	184	113	118	133	189	224	--	914	82	314
1935	acre-feet	14,840	18,500	24,841	71,042	103,787	133,634	42,184	17,193	11,363	11,962	11,905	12,877	474,128	--	--	--
	mean s.f.d.	241	333	404	1,194	1,688	2,246	686	280	191	195	200	209	--	3,378	164	655
1936	acre-feet	14,737	46,808	57,374	157,290	219,404	137,028	67,902	32,987	14,372	15,423	15,828	17,294	796,447	--	--	--
	mean s.f.d.	240	814	933	2,643	3,568	2,303	1,104	536	242	251	266	281	--	4,173	194	1,097
1937	acre-feet	21,745	139,109	111,443	183,505	352,050	225,395	91,097	32,186	17,780	17,173	16,379	52,320	1,260,182	--	--	--
	mean s.f.d.	354	2,505	1,812	3,084	5,726	3,788	1,482	523	299	279	275	851	--	20,000	223	1,741
1938	acre-feet	31,265	42,456	162,121	223,928	315,044	291,880	130,917	54,155	28,693	27,475	24,748	26,003	1,358,685	--	--	--
	mean s.f.d.	508	764	2,637	3,763	5,124	4,905	2,129	881	482	447	416	423	--	14,582	356	1,877
1939	acre-feet	28,558	33,273	54,119	92,136	92,253	58,400	25,480	18,774	13,712	16,826	13,692	13,850	461,073	--	--	--
	mean s.f.d.	464	599	880	1,548	1,500	981	414	305	230	274	230	225	--	2,028	178	637
1940	acre-feet	45,082	65,032	77,810	118,175	196,465	145,503	50,471	18,926	13,234	14,670	16,007	27,723	789,098	--	--	--
	mean s.f.d.	733	1,131	1,265	1,986	3,195	2,445	821	308	222	239	269	451	--	5,454	167	1,087
1941	acre-feet	39,540	73,589	109,735	124,615	386,666	309,960	174,416	62,537	27,997	26,325	27,661	38,035	1,401,076	--	--	--
	mean s.f.d.	643	1,325	1,785	2,094	6,289	5,209	2,837	1,017	471	428	465	619	--	8,523	337	1,935
1942	acre-feet	49,438	40,834	58,487	112,586	150,036	178,754	81,529	30,284	16,500	14,648	16,130	22,740	771,966	--	--	--
	mean s.f.d.	804	735	951	1,892	2,440	3,004	1,326	493	277	238	271	370	--	4,060	141	1,066
1943	acre-feet	92,551	56,820	261,344	198,736	254,785	155,650	88,011	34,435	17,857	17,849	18,565	24,224	1,220,827	--	--	--
	mean s.f.d.	1,505	1,023	4,250	3,340	4,144	2,616	1,431	560	300	290	312	394	--	21,701	252	1,686
1944	acre-feet	27,473	32,781	69,836	80,223	150,109	115,862	59,197	20,305	12,843	12,952	21,521	22,435	625,537	--	--	--
	mean s.f.d.	447	570	1,136	1,348	2,441	1,947	963	330	216	211	362	365	--	3,071	191	862
1945	acre-feet	20,783	70,522	63,925	131,246	205,509	169,002	91,593	41,632	21,548	41,268	36,845	44,182	938,055	--	--	--
	mean s.f.d.	338	1,270	1,040	2,206	3,342	2,840	1,490	677	362	671	619	719	--	9,370	155	1,296
1946	acre-feet	45,481	34,854	60,958	109,658	155,476	85,880	39,733	20,091	13,261	16,141	31,365	37,785	650,683	--	--	--
	mean s.f.d.	740	628	991	1,843	2,529	1,443	646	327	223	263	527	615	--	3,814	192	899
1947	acre-feet	31,146	28,167	36,319	60,353	110,325	57,778	21,116	12,313	9,140	12,607	13,492	13,942	406,698	--	--	--
	mean s.f.d.	507	507	591	1,014	1,794	971	343	200	154	205	227	227	--	2,584	135	562
1948	acre-feet	13,486	12,267	16,233	43,976	86,108	78,565	31,331	9,927	6,899	8,908	9,586	11,220	329,506	--	--	--
	mean s.f.d.	219	231	264	739	1,400	1,320	510	161	116	145	161	182	--	2,206	97	454
1949	acre-feet	11,982	12,992	21,136	50,517	84,508	57,685	17,201	8,682	6,541	7,704	11,131	12,791	302,870	--	--	--
	mean s.f.d.	195	234	344	849	1,374	969	280	141	110	125	187	208	--	2,128	69	418
1950	acre-feet	17,119	39,761	37,087	76,155	98,483	90,367	34,901	12,179	10,393	9,955	96,968	77,992	601,360	--	--	--
	mean s.f.d.	278	716	603	1,280	1,602	1,519	568	198	175	162	1,630	1,268	--	37,000	128	831

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1951	acre-feet	32,975	30,018	35,101	48,914	85,039	88,990	38,941	12,966	7,793	9,364	11,958	40,163	442,222	--	--	--
	mean s.f.d.	536	541	571	822	1,383	1,496	633	211	131	152	201	653	--	8,341	69	611
1952	acre-feet	60,367	53,673	84,726	222,633	434,769	302,557	159,856	68,200	30,670	23,417	24,871	35,260	1,500,999	--	--	--
	mean s.f.d.	982	933	1,378	3,741	7,071	5,085	2,600	1,109	515	381	418	573	--	8,530	254	2,073
1953	acre-feet	60,760	40,498	38,709	70,730	86,019	103,164	69,657	21,503	12,730	13,125	15,023	16,915	548,833	--	--	--
	mean s.f.d.	988	729	630	1,189	1,399	1,734	1,133	350	214	213	252	275	--	3,798	119	758
1954	acre-feet	22,019	30,361	44,575	101,203	139,719	73,553	39,642	19,198	12,571	12,351	15,328	17,837	528,357	--	--	--
	mean s.f.d.	358	547	725	1,701	2,272	1,236	645	312	211	201	258	290	--	2,948	150	729
1955	acre-feet	20,438	24,625	29,734	37,567	69,544	86,660	31,014	19,293	9,840	10,100	12,526	92,959	444,300	--	--	--
	mean s.f.d.	332	443	484	631	1,131	1,456	504	314	165	164	211	1,512	--	12,711	101	614
1956	acre-feet	82,943	49,993	62,767	97,553	159,683	168,876	99,529	41,141	21,370	23,397	17,042	16,568	840,862	--	--	--
	mean s.f.d.	1,349	869	1,021	1,639	2,597	2,838	1,619	669	359	381	286	269	--	5,167	207	1,158
1957	acre-feet	18,535	26,178	31,357	38,644	79,355	132,359	41,988	17,518	12,111	13,648	14,013	18,632	444,338	--	--	--
	mean s.f.d.	301	471	510	649	1,291	2,224	683	285	204	222	235	303	--	3,411	147	614
1958	acre-feet	22,088	39,453	68,140	168,105	316,974	230,866	115,724	56,190	27,515	20,815	19,835	19,025	1,104,730	--	--	--
	mean s.f.d.	359	710	1,108	2,825	5,155	3,880	1,882	914	462	339	333	309	--	6,592	236	1,526
1959	acre-feet	20,592	22,258	33,274	40,566	39,945	32,061	18,013	10,094	9,852	9,689	10,419	11,215	257,978	--	--	--
	mean s.f.d.	335	401	541	682	650	539	293	164	166	158	175	182	--	944	104	356
1960	acre-feet	13,363	30,682	31,908	46,272	58,336	47,181	16,683	9,638	8,678	10,187	14,183	12,926	300,037	--	--	--
	mean s.f.d.	217	533	519	778	949	793	271	157	146	166	238	210	--	1,690	99	413
1961	acre-feet	11,466	10,905	14,221	24,137	29,980	24,305	8,952	16,018	8,463	7,353	9,554	12,288	177,642	--	--	--
	mean s.f.d.	186	196	231	406	488	408	146	261	142	120	161	200	--	626	99	245
1962	acre-feet	13,507	53,411	37,660	147,463	135,884	157,253	74,874	25,416	13,849	14,051	12,407	11,929	697,704	--	--	--
	mean s.f.d.	220	962	612	2,478	2,210	2,643	1,218	413	233	229	209	194	--	3,604	144	964
1963	acre-feet	27,793	101,595	42,994	69,412	137,839	163,944	105,384	47,008	28,883	27,291	25,837	23,470	801,450	--	--	--
	mean s.f.d.	452	1,829	699	1,167	2,242	2,755	1,714	765	485	444	434	382	--	15,584	160	1,107
1964	acre-feet	19,943	17,119	25,146	42,946	61,521	54,658	23,803	14,097	9,025	9,150	14,939	46,919	339,266	--	--	--
	mean s.f.d.	324	298	409	722	1,001	919	387	229	152	149	251	763	--	4,693	120	467
1965	acre-feet	46,768	31,702	36,359	80,043	131,980	149,357	95,288	49,105	22,036	17,631	29,542	30,551	720,362	--	--	--
	mean s.f.d.	761	571	591	1,345	2,146	2,510	1,550	799	370	287	496	497	--	3,322	226	995
1966	acre-feet	29,272	22,439	39,108	68,779	82,336	45,431	23,347	18,141	9,608	10,822	15,501	313,811	678,595	--	--	--
	mean s.f.d.	476	404	636	1,156	1,339	763	380	295	161	176	261	5,104	--	80,029	112	937
1967	acre-feet	63,580	65,831	86,200	99,509	269,631	311,063	243,802	94,834	55,255	36,230	34,546	35,746	1,396,227	--	--	--
	mean s.f.d.	1,034	1,185	1,402	1,672	4,385	5,228	3,965	1,542	929	589	581	581	--	7,223	419	1,928
1968	acre-feet	34,052	40,354	48,803	65,584	87,991	64,054	30,690	20,600	11,466	13,599	16,982	19,585	453,760	--	--	--
	mean s.f.d.	554	702	794	1,102	1,431	1,076	499	335	193	221	285	319	--	1,923	155	625
1969	acre-feet	178,493	111,342	157,595	378,333	617,968	496,796	254,777	111,100	49,936	36,036	34,862	34,132	2,461,370	--	--	--
	mean s.f.d.	2,903	2,005	2,563	6,358	10,050	8,349	4,144	1,807	839	586	586	555	--	24,216	344	3,400
1970	acre-feet	66,480	41,419	59,917	63,513	110,057	95,700	50,138	24,224	14,392	13,301	21,519	28,814	589,474	--	--	--
	mean s.f.d.	1,081	746	974	1,067	1,790	1,608	815	394	242	216	362	469	--	6,298	171	814

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1971	acre-feet	34,143	30,960	41,913	52,661	66,635	82,707	42,472	19,841	11,371	11,540	14,102	19,109	427,454	--	--	--
	mean s.f.d.	555	557	682	885	1,084	1,390	691	323	191	188	237	311	--	1,895	125	590
1972	acre-feet	19,864	18,827	33,213	28,288	45,965	38,531	14,936	10,927	11,334	11,431	14,703	20,408	268,427	--	--	--
	mean s.f.d.	323	327	540	475	748	648	243	178	190	186	247	332	--	951	111	370
1973	acre-feet	33,628	36,395	52,778	110,892	288,652	230,390	93,834	41,028	23,030	18,895	22,342	27,788	979,652	--	--	--
	mean s.f.d.	547	655	858	1,864	4,694	3,872	1,526	667	387	307	375	452	--	5,886	220	1,353
1974	acre-feet	50,337	29,873	74,247	114,113	183,733	167,740	69,580	39,991	23,532	21,953	19,904	23,603	818,606	--	--	--
	mean s.f.d.	819	538	1,208	1,918	2,988	2,819	1,132	650	395	357	334	384	--	4,141	220	1,130
1975	acre-feet	21,521	26,725	42,815	46,602	147,001	140,660	51,917	22,625	17,133	16,209	15,049	16,310	564,567	--	--	--
	mean s.f.d.	350	481	696	783	2,391	2,364	844	368	288	264	253	265	--	3,783	164	780
1976	acre-feet	16,308	16,994	23,074	25,924	47,151	20,930	14,749	14,573	25,097	20,523	12,954	11,191	249,468	--	--	--
	mean s.f.d.	265	295	375	436	767	352	240	237	422	334	218	182	--	1,188	142	344
1977	acre-feet	13,456	13,704	14,765	23,391	25,630	35,655	10,973	10,979	7,815	8,146	8,456	24,028	196,998	--	--	--
	mean s.f.d.	219	247	240	393	417	599	178	179	131	132	142	391	--	2,049	57	272
1978	acre-feet	46,596	116,432	175,484	181,700	363,157	354,825	194,693	74,001	61,696	29,562	26,874	28,485	1,653,505	--	--	--
	mean s.f.d.	758	2,096	2,854	3,054	5,906	5,963	3,166	1,204	1,037	481	452	463	--	10,901	350	2,284
1979	acre-feet	34,062	41,825	72,299	102,079	164,935	106,112	46,733	27,243	19,583	19,781	18,779	19,230	672,661	--	--	--
	mean s.f.d.	554	753	1,176	1,715	2,682	1,783	760	443	329	322	316	313	--	3,540	229	929
1980	acre-feet	145,545	168,887	139,620	211,608	287,825	282,877	208,715	78,143	35,068	26,955	25,006	29,708	1,639,957	--	--	--
	mean s.f.d.	2,367	2,936	2,271	3,556	4,681	4,754	3,394	1,271	589	438	420	483	--	14,171	261	2,259
1981	acre-feet	28,709	34,762	45,608	69,320	91,914	65,817	25,630	17,389	13,222	14,781	18,922	23,189	449,263	--	--	--
	mean s.f.d.	467	626	742	1,165	1,495	1,106	417	283	222	240	318	377	--	2,211	157	621
1982	acre-feet	37,682	52,996	78,724	212,963	254,985	198,748	130,098	61,956	61,716	46,306	57,116	77,849	1,271,139	--	--	--
	mean s.f.d.	613	954	1,280	3,579	4,147	3,340	2,116	1,008	1,037	753	960	1,266	--	9,075	389	1,756
1983	acre-feet	87,905	138,514	265,543	206,473	478,625	571,846	288,866	154,935	68,503	53,300	71,599	103,019	2,489,128	--	--	--
	mean s.f.d.	1,430	2,494	4,319	3,470	7,784	9,610	4,698	2,520	1,151	867	1,203	1,675	--	14,038	602	3,438
1984	acre-feet	76,054	60,926	82,738	91,359	161,613	93,114	77,046	49,698	28,306	26,428	35,020	39,495	821,797	--	--	--
	mean s.f.d.	1,237	1,059	1,346	1,535	2,628	1,565	1,253	808	476	430	589	642	--	3,305	288	1,132
1985	acre-feet	40,423	40,610	53,371	136,241	146,799	99,858	41,395	23,956	17,024	16,495	22,314	33,945	672,431	--	--	--
	mean s.f.d.	657	731	868	2,290	2,387	1,678	673	390	286	268	375	552	--	3,353	208	929
1986	acre-feet	42,668	149,966	204,775	208,147	293,335	263,794	121,398	57,160	26,567	28,330	25,341	23,458	1,444,939	--	--	--
	mean s.f.d.	694	2,700	3,330	3,498	4,771	4,433	1,974	930	446	461	426	382	--	8,296	313	1,996
1987	acre-feet	25,595	29,504	41,566	55,236	75,108	56,146	24,918	14,735	10,683	11,484	14,745	16,215	375,935	--	--	--
	mean s.f.d.	416	531	676	928	1,222	944	405	240	180	187	248	264	--	1,817	145	519
1988	acre-feet	22,677	19,815	30,210	39,584	58,350	43,140	20,969	13,454	10,733	9,283	10,955	15,515	294,685	--	--	--
	mean s.f.d.	369	344	491	665	949	725	341	219	180	151	184	252	--	1,418	118	406
1989	acre-feet	15,947	23,528	67,430	91,380	71,849	49,823	21,378	13,010	10,213	10,824	10,707	10,949	397,038	--	--	--
	mean s.f.d.	259	424	1,097	1,536	1,169	837	348	212	172	176	180	178	--	2,068	123	548
1990	acre-feet	12,916	13,127	23,048	32,019	38,600	29,345	13,380	8,386	6,428	8,834	8,340	9,148	203,571	--	--	--
	mean s.f.d.	210	236	375	538	628	493	218	136	108	144	140	149	--	845	78	281

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1991	acre-feet	10,931	9,215	47,341	58,092	79,763	100,423	38,265	14,854	11,040	9,358	13,940	13,067	406,289	--	--	--
	mean s.f.d.	178	166	770	976	1,297	1,688	622	242	186	152	234	213	--	5,025	109	561
1992	acre-feet	14,069	22,314	26,410	55,448	74,394	32,987	16,324	11,942	7,896	9,414	11,054	14,577	296,829	--	--	--
	mean s.f.d.	229	388	430	932	1,210	554	265	194	133	153	186	237	--	1,584	104	409
1993	acre-feet	39,221	39,564	94,231	133,993	200,864	162,420	87,414	32,763	16,506	14,223	14,398	18,163	853,760	--	--	--
	mean s.f.d.	638	712	1,533	2,252	3,267	2,730	1,422	533	277	231	242	295	--	3,957	203	1,179
1994	acre-feet	18,936	23,946	38,592	46,489	67,224	56,223	21,068	11,939	8,981	14,771	12,780	15,507	336,456	--	--	--
	mean s.f.d.	308	431	628	781	1,093	945	343	194	151	240	215	252	--	1,686	121	465
1995	acre-feet	46,832	48,774	156,387	143,244	255,046	293,129	237,802	89,657	39,108	24,093	22,268	28,820	1,385,160	--	--	--
	mean s.f.d.	762	878	2,543	2,407	4,148	4,926	3,867	1,458	657	392	374	469	--	8,420	240	1,913
1996	acre-feet	40,304	98,549	108,042	147,959	225,987	154,883	70,502	32,255	16,651	15,788	40,903	86,438	1,038,261	--	--	--
	mean s.f.d.	655	1,713	1,757	2,487	3,675	2,603	1,147	525	280	257	687	1,406	--	9,024	222	1,430
1997	acre-feet	246,022	104,771	120,448	142,909	214,290	142,358	71,919	38,047	26,039	20,926	23,708	30,532	1,181,969	--	--	--
	mean s.f.d.	4,001	1,887	1,959	2,402	3,485	2,392	1,170	619	438	340	398	497	--	19,794	284	1,633
1998	acre-feet	45,927	136,340	151,329	189,663	308,440	371,835	267,435	94,510	50,959	35,008	33,302	33,219	1,717,967	--	--	--
	mean s.f.d.	747	2,455	2,461	3,187	5,016	6,249	4,349	1,537	856	569	560	540	--	8,477	436	2,373
1999	acre-feet	37,722	38,388	38,495	55,843	95,199	68,733	32,852	17,133	12,547	11,714	12,288	13,057	433,971	--	--	--
	mean s.f.d.	613	691	626	938	1,548	1,155	534	279	211	191	207	212	--	2,077	174	599
2000	acre-feet	19,140	35,096	50,176	67,388	129,406	81,396	28,306	16,610	10,937	12,912	12,764	12,688	476,819	--	--	--
	mean s.f.d.	311	610	816	1,133	2,105	1,368	460	270	184	210	215	206	--	2,910	145	657
2001	acre-feet	15,429	19,004	36,948	58,249	124,417	43,033	24,593	11,558	8,916	9,142	15,293	24,869	391,451	--	--	--
	mean s.f.d.	251	342	601	979	2,023	723	400	188	150	149	257	404	--	2,525	132	541
2002	acre-feet	27,533	21,072	31,603	58,838	69,991	63,775	22,703	10,439	7,720	8,939	73,894	28,189	424,696	--	--	--
	mean s.f.d.	448	379	514	989	1,138	1,072	369	170	130	145	1,242	458	--	10,627	115	587
2003	acre-feet	33,402	31,428	48,924	56,146	113,472	118,383	37,075	24,278	14,555	10,798	12,962	18,301	519,724	--	--	--
	mean s.f.d.	543	566	796	944	1,845	1,990	603	395	245	176	218	298	--	3,887	154	718
2004	acre-feet	23,359	25,131	70,461	64,197	78,343	56,378	23,084	12,349	9,322	13,031	14,507	17,143	407,305	--	--	--
	mean s.f.d.	380	437	1,146	1,079	1,274	947	375	201	157	212	244	279	--	1,863	132	561
2005	acre-feet	71,631	48,599	94,332	132,119	288,847	238,352	129,182	48,311	25,615	23,800	21,707	33,614	1,156,109	--	--	--
	mean s.f.d.	1,165	875	1,534	2,220	4,698	4,006	2,101	786	430	387	365	547	--	7,196	315	1,597
2006	acre-feet	55,466	36,668	65,938	147,043	309,409	232,520	106,756	38,834	21,072	19,989	17,542	20,604	1,071,841	--	--	--
	mean s.f.d.	902	660	1,072	2,471	5,032	3,908	1,736	632	354	325	295	335	--	6,537	250	1,481
2007	acre-feet	20,874	21,917	34,887	35,649	51,267	24,131	12,363	9,941	8,547	9,951	10,100	13,065	252,692	--	--	--
	mean s.f.d.	339	395	567	599	834	406	201	162	144	162	170	212	--	1,018	117	349
2008	acre-feet	22,580	36,754	56,727	80,991	123,177	89,078	38,095	15,558	10,145	11,022	16,933	16,937	517,997	--	--	--
	mean s.f.d.	367	639	923	1,361	2,003	1,497	620	253	171	179	285	275	--	3,779	151	714
2009	acre-feet	23,568	27,293	41,337	63,650	130,352	65,252	35,907	14,392	9,560	24,089	15,138	19,628	470,166	--	--	--
	mean s.f.d.	383	491	672	1,070	2,120	1,097	584	234	161	392	254	319	--	3,022	140	649
2010	acre-feet	25,486	36,627	57,056	95,484	163,601	226,437	94,875	29,341	15,467	17,849	19,212	129,540	910,975	--	--	--
	mean s.f.d.	414	660	928	1,553	2,661	3,805	1,543	477	260	290	323	2,107	--	15,010	187	1,258

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
2011	acre-feet	71,506	54,664	111,636	231,304	261,005	274,675	175,874	69,592	33,257	36,389	29,445	25,547	1,374,894	--	--	--
	mean s.f.d.	1,163	984	1,816	3,887	4,245	4,616	2,860	1,132	559	592	495	415	--	6,020	359	1,899
2012	acre-feet	29,562	26,247	37,652	65,851	69,671	26,945	14,154	11,205	8,575	8,916	11,361	17,849	327,988	--	--	--
	mean s.f.d.	481	456	612	1,107	1,133	453	230	182	139	145	185	290	--	1,865	100	453
2013	acre-feet	19,329	17,740	23,290	32,212	39,509	19,494	11,700	8,317	6,686	7,995	9,328	10,618	206,218	--	--	--
	mean s.f.d.	314	319	379	541	643	328	190	135	109	130	152	173	--	950	78	285
2014	acre-feet	9,947	11,716	16,251	26,527	40,042	20,965	7,016	12,456	5,050	5,960	7,880	11,599	175,409	--	--	--
	mean s.f.d.	162	211	264	446	651	352	114	203	82	97	128	189	--	827	64	242
2015	acre-feet	11,014	14,214	14,190	13,662	17,153	13,813	13,037	5,028	3,513	7,575	10,308	15,233	138,740	--	--	--
	mean s.f.d.	179	256	231	230	279	232	212	82	57	123	168	248	--	1,274	39	192
2016	acre-feet	21,566	27,207	41,240	50,386	73,279	75,628	22,538	9,521	6,317	7,561	9,681	19,283	364,207	--	--	--
	mean s.f.d.	351	473	671	847	1,192	1,271	367	155	103	123	157	314	--	2,010	63	503
2017	acre-feet	177,800	246,046	195,201	290,457	385,311	343,801	180,930	70,193	36,151	26,955	24,869	23,076	2,000,790	--	--	--
	mean s.f.d.	2,892	4,430	3,175	4,881	6,266	5,778	2,943	1,142	588	438	404	375	--	11,660	234	2,764
2018	acre-feet	26,626	18,420	49,343	84,716	66,988	46,574	28,370	19,139	10,988	11,460	12,843	17,699	393,166	--	--	--
	mean s.f.d.	433	332	802	1,424	1,089	757	461	311	179	186	209	288	--	4542	143	543
2019	acre-feet	29,764	59,853	137,034	203,673	251,734	302,910	154,203	53,484	28,911	25,335	24,926	33,412	1,305,239	--	--	--
	mean s.f.d.	484	1,078	2,229	3,423	4,094	5,091	2,508	870	486	412	419	543	--	7773	216	1803
2020	acre-feet	29,512	26,370	30,006	59,213	86,350	35,786	15,453	12,986	11,167	8,769	10,338	11,802	337,752	--	--	--
	mean s.f.d.	480	458	488	995	1,404	601	251	211	188	143	174	192	--	1959	107	465
2021	acre-feet	14,057	15,513	16,695	22,530	28,034	12,643	7,230	5,865	4,907	8,285	10,362	17,706	163,827	--	--	--
	mean s.f.d.	229	279	272	379	456	212	118	95	82	135	174	288	--	806	51	226

KERN RIVER APRIL-JULY RUNOFF FIRST POINT OF MEASUREMENT 1894 TO DATE

Acre-foot Quantities in Order of Magnitude

Year: 2021

YEAR	APR	MAY	JUN	JUL	TOTAL	% OF AVERAGE	YEAR	APR	MAY	JUN	JUL	TOTAL	% OF AVERAGE
2015	13,662	17,153	13,813	13,037	57,665	13%	1918	74,513	78,722	136,753	44,828	334,816	73%
2021	22,530	28,034	12,643	7,230	70,437	15%	1919	86,574	140,215	81,844	34,364	342,997	75%
1961	24,137	29,980	24,305	8,952	87,374	19%	1935	71,042	103,787	133,634	42,184	350,647	77%
1924	28,540	41,722	14,069	8,225	92,556	20%	1910	102,883	127,733	79,464	42,046	352,126	77%
2014	26,527	40,042	20,965	7,016	94,550	21%	1954	101,203	139,719	73,553	39,642	354,117	77%
1977	23,391	25,630	35,655	10,973	95,649	21%	1905	62,047	117,748	132,766	53,835	366,396	80%
1931	23,440	41,867	24,262	8,493	98,062	21%	1896	57,864	86,174	146,124	82,760	372,922	81%
2013	32,212	39,509	19,494	11,700	102,915	22%	1975	46,602	147,001	140,660	51,917	386,180	84%
1976	25,924	47,151	20,930	14,749	108,754	24%	1902	107,403	109,904	128,853	43,436	389,596	85%
1990	32,019	38,600	29,345	13,380	113,344	25%	1946	109,658	155,476	85,880	39,733	390,747	85%
1934	39,919	43,065	21,820	11,341	116,145	25%	1903	74,315	132,097	139,222	53,355	398,989	87%
2007	35,649	51,267	24,131	12,363	123,410	27%	1944	80,223	150,109	115,862	59,197	405,391	88%
1972	28,288	45,965	38,531	14,936	127,720	28%	1979	102,079	164,935	106,112	46,733	419,859	92%
1959	40,566	39,945	32,061	18,013	130,585	28%	1984	91,359	161,613	93,114	77,046	423,132	92%
1898	42,248	45,213	32,809	15,033	135,303	30%	1985	136,241	146,799	99,858	41,395	424,293	93%
1988	39,584	58,350	43,140	20,969	162,043	35%	1920	83,370	158,904	137,840	50,699	430,813	94%
1960	46,272	58,336	47,181	16,683	168,472	37%	1915	80,916	124,506	172,324	77,496	455,242	99%
2012	65,851	69,671	26,945	14,154	176,621	39%	1965	80,043	131,980	149,357	95,288	456,668	100%
1992	55,448	74,394	32,987	16,324	179,153	39%	1963	69,412	137,839	163,944	105,384	476,579	104%
1964	42,946	61,521	54,658	23,803	182,928	40%	1940	118,175	196,465	145,503	50,471	510,614	111%
1994	46,489	67,224	56,223	21,068	191,004	42%	1962	147,463	135,884	157,253	74,874	515,474	112%
1928	37,757	76,885	60,344	18,716	193,702	42%	1927	100,362	184,721	161,153	75,481	521,717	114%
2020	59,213	86,350	35,786	15,453	196,802	43%	1942	112,586	150,036	178,754	81,529	522,905	114%
1900	28,102	68,295	76,366	24,125	196,888	43%	1956	97,553	159,683	168,876	99,529	525,641	115%
1949	50,517	84,508	57,685	17,201	209,911	46%	1932	111,273	154,742	166,404	94,013	526,432	115%
1987	55,236	75,108	56,146	24,918	211,404	46%	1974	114,113	183,733	167,740	69,580	535,166	117%
1913	42,494	73,561	60,738	34,929	211,722	46%	1917	126,329	165,062	187,638	81,275	560,304	122%
1899	53,133	51,353	79,178	30,046	213,710	47%	1997	142,909	214,290	142,358	71,919	571,476	125%
2002	58,838	69,991	63,775	22,703	215,307	47%	2010	95,484	163,601	226,437	94,875	580,397	127%
1929	39,064	85,995	63,487	30,986	219,532	48%	1936	157,290	219,404	137,028	67,902	581,624	127%
1966	68,779	82,336	45,431	23,347	219,893	48%	1901	83,190	186,446	197,792	114,613	582,041	127%
2016	50,386	73,279	75,628	22,538	221,831	48%	1993	133,993	200,864	162,420	87,414	584,691	128%
2004	64,197	78,343	56,378	23,084	222,002	48%	1945	131,246	205,509	169,002	91,593	597,350	130%
1955	37,567	69,544	86,660	31,014	224,785	49%	1996	147,959	225,987	154,883	70,502	599,331	131%
2018	84,716	66,988	46,574	28,370	226,648	49%	1922	84,407	242,259	202,395	88,649	617,710	135%
1930	53,506	67,851	82,824	28,401	232,582	51%	1897	173,393	281,339	137,393	61,837	654,262	143%
1926	66,079	98,598	49,530	18,575	232,782	51%	1907	197,720	199,950	183,995	97,083	678,748	148%
1989	91,380	71,849	49,823	21,378	234,430	51%	1914	144,934	210,676	201,064	128,338	685,012	149%
1948	43,976	86,108	78,565	31,331	239,980	52%	1895	162,071	268,635	172,890	91,133	694,729	152%
1971	52,661	66,635	82,707	42,472	244,475	53%	1943	198,736	254,785	155,650	88,011	697,182	152%
1968	65,584	87,991	64,054	30,690	248,319	54%	1911	138,113	184,481	222,076	156,498	701,168	153%
1947	60,353	110,325	57,778	21,116	249,572	54%	1973	110,892	288,652	230,390	93,834	723,768	158%
2001	58,249	124,417	43,033	24,593	250,292	55%	2005	132,119	288,847	238,352	129,182	788,500	172%
1912	37,246	80,471	100,925	33,170	251,812	55%	2006	147,043	309,409	232,520	106,756	795,728	174%
1999	55,843	95,199	68,733	32,852	252,627	55%	1982	212,963	254,985	198,748	130,098	796,794	174%
1981	69,320	91,914	65,817	25,630	252,681	55%	1958	168,105	316,974	230,866	115,724	831,669	181%
1908	79,320	79,418	60,305	41,851	260,894	57%	1937	183,505	352,050	225,395	91,097	852,047	186%
1951	48,914	85,039	88,990	38,941	261,884	57%	1986	208,147	293,335	263,794	121,398	886,674	193%
1939	92,136	92,253	58,400	25,480	268,269	59%	2019	203,673	251,734	302,910	154,203	912,520	199%
1991	58,092	79,763	100,423	38,265	276,543	60%	1967	99,509	269,631	311,063	243,802	924,005	202%
1957	38,644	79,355	132,359	41,988	292,346	64%	1995	143,244	255,046	293,129	237,802	929,221	203%
2009	63,650	130,352	65,252	35,907	295,161	64%	2011	231,304	261,005	274,675	175,874	942,858	206%
1894	88,974	88,801	64,564	43,061	295,400	64%	1938	223,928	315,044	291,880	130,917	961,769	210%
1933	57,265	60,026	125,395	56,898	299,584	65%	1980	211,608	287,825	282,877	208,715	991,025	216%
1950	76,155	98,483	90,367	34,901	299,906	65%	1941	124,615	386,666	309,960	174,416	995,657	217%
2000	67,388	129,406	81,396	28,306	306,496	67%	1978	181,700	363,157	354,825	194,693	1,094,375	239%
1925	56,408	102,016	96,252	58,437	313,113	68%	1952	222,633	434,769	302,557	159,856	1,119,815	244%
1904	59,812	113,205	103,904	39,725	316,646	69%	1998	189,663	308,440	371,835	267,435	1,137,373	248%
1970	63,513	110,057	95,700	50,138	319,408	70%	2017	290,457	385,311	343,801	180,930	1,200,499	262%
1921	51,723	100,096	120,387	49,119	321,325	70%	1909	247,402	382,617	394,086	194,870	1,218,975	266%
2003	56,146	113,472	118,383	37,075	325,076	71%	1906	173,143	360,234	458,418	399,841	1,391,636	304%
1953	70,730	86,019	103,164	69,657	329,570	72%	1983	206,473	478,625	571,846	288,866	1,545,810	337%
2008	80,991	123,177	89,078	38,095	331,341	72%	1916	481,749	472,994	391,700	225,154	1,571,597	343%
1923	73,355	120,849	82,528	55,800	332,532	73%	1969	178,333	617,968	496,796	254,777	1,747,874	381%
							MAXIMUM	481,749	617,968	571,846	399,841	1,747,874	
							MINIMUM	13,662	17,153	12,643	7,016	57,665	
							AVERAGE	98,534	153,357	135,930	70,535	458,356	

**KERN RIVER AT FIRST POINT OF MEASUREMENT
HISTORICAL MONTHLY NATURAL FLOWS**

YEAR: 2021

October 1893 to Date...

Quantities in acre-feet except where noted...

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
Mean Monthly Flow	37,527	43,532	64,886	98,533	153,357	135,931	70,535	30,408	17,817	17,096	19,614	27,437	716,673
Mean Monthly Flow (second foot days)	610	777	1,055	1,656	2,494	2,284	1,147	495	299	278	330	446	989
Maximum Monthly Flow	246,022	246,046	378,116	481,749	617,968	571,846	399,841	154,935	68,503	53,300	96,968	313,811	
<i>Year of Occurrence</i>	1997	2017	1916	1916	1969	1983	1906	1983	1983	1983	1950	1966	
Minimum Monthly Flow	9,947	9,215	14,190	13,662	17,153	12,643	7,016	5,028	3,513	5,960	7,880	9,148	
<i>Year of Occurrence</i>	2014	1991	2015	2015	2015	2021	2014	2015	2015	2014	2014	1990	
Number Months of Record	128	128	128	128	128	128	128	128	128	129	129	129	
Cumulative Monthly Flow	4,803,435	5,572,064	8,305,388	12,612,308	19,629,751	17,399,070	9,028,421	3,892,228	2,280,515	2,172,551	2,530,561	3,539,357	
Median Monthly Flow	23,750	29,952	46,661	73,902	117,413	103,829	45,181	20,953	13,343	14,035	15,624	19,174	
Median Monthly Flow (second foot days)	386	535	759	1,242	1,910	1,745	735	341	224	228	263	312	723

MEAN APRIL - JULY RUNOFF TO DATE = 458,356 AcFt
 MEDIAN APRIL - JULY RUNOFF TO DATE = 340,325 AcFt

MEAN MARCH - OCTOBER RUNOFF TO DATE = 588,563 AcFt
 MEDIAN MARCH - OCTOBER RUNOFF TO DATE = 435,317 AcFt

DISCHARGE IN CUBIC FEET PER SECOND

**Kern River Mean Natural Flow at First Point of Measurement
(1893 to Date)**

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	460	709	850	1,289	2,119	2,626	1,651	710	358	289	287	343
2	505	680	887	1,296	2,148	2,605	1,629	685	353	285	283	354
3	587	651	952	1,317	2,192	2,601	1,604	665	351	283	281	364
4	501	611	927	1,334	2,254	2,597	1,575	647	342	281	278	380
5	559	610	966	1,358	2,300	2,645	1,524	623	353	277	280	469
6	508	687	964	1,380	2,333	2,634	1,483	607	355	285	280	982
7	492	825	904	1,410	2,353	2,626	1,440	590	334	276	283	492
8	517	797	909	1,462	2,383	2,591	1,395	576	322	280	346	414
9	534	803	975	1,466	2,416	2,537	1,350	562	311	280	363	417
10	533	772	1,011	1,473	2,445	2,510	1,310	552	301	276	311	425
11	547	713	1,016	1,551	2,445	2,471	1,264	542	298	274	312	434
12	565	719	977	1,560	2,444	2,442	1,230	530	301	273	309	420
13	568	805	986	1,554	2,468	2,422	1,201	508	293	273	303	402
14	644	816	997	1,573	2,494	2,391	1,177	489	283	278	306	380
15	574	798	980	1,596	2,516	2,366	1,138	486	280	275	302	376
16	582	769	1,017	1,637	2,533	2,321	1,111	479	276	272	303	387
17	582	792	1,039	1,661	2,555	2,289	1,079	467	273	277	311	385
18	640	880	1,093	1,697	2,584	2,248	1,052	464	271	275	324	383
19	618	876	1,087	1,742	2,614	2,213	1,020	461	266	275	435	474
20	590	869	1,086	1,792	2,615	2,183	994	448	267	277	393	442
21	602	823	1,127	1,832	2,609	2,150	962	431	268	275	353	397
22	686	821	1,130	1,868	2,613	2,114	934	415	267	271	362	419
23	715	838	1,146	1,881	2,604	2,066	920	406	265	272	349	532
24	701	820	1,137	1,899	2,609	2,003	915	393	265	271	367	479
25	901	821	1,171	1,920	2,627	1,947	878	384	280	270	370	478
26	876	812	1,189	1,959	2,665	1,885	851	373	314	277	351	452
27	740	819	1,221	1,990	2,674	1,838	831	372	293	280	363	479
28	697	813	1,231	2,038	2,679	1,788	801	372	279	280	358	464
29	625	818	1,237	2,056	2,690	1,738	770	369	283	281	351	457
30	607	-	1,237	2,086	2,679	1,685	749	364	281	287	375	500
31	664	-	1,264	-	2,658	-	723	361	-	294	-	453
TOTAL	18,920	21,947	32,713	49,677	77,318	68,532	35,561	15,331	8,983	8,619	9,889	13,833
MAXIMUM DAY	901	880	1,264	2,086	2,690	2,645	1,651	710	358	294	435	982
MINIMUM DAY	460	610	850	1,289	2,119	1,685	723	361	265	270	278	343
MEAN	610	777	1,055	1,656	2,494	2,284	1,147	495	299	278	330	446
TOTAL AC. FT.	37,527	43,532	64,886	98,533	153,357	135,931	70,535	30,408	17,817	17,096	19,614	27,437
WHOLE YEAR:-	TOTAL,	361,323	MAX.,	2,690	MIN.,	265	MEAN,	989	TOTAL AC.FT.,	716,673		

**Kern River Median Natural Flow at First Point of Measurement
(1893 to Date)**

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	345	440	615	1,017	1,619	2,101	1,125	479	249	225	244	278
2	344	429	632	1,025	1,659	2,072	1,013	458	252	225	252	281
3	345	452	608	1,005	1,645	1,987	1,062	452	250	225	250	299
4	353	458	625	1,006	1,696	2,020	1,019	442	251	226	250	293
5	355	457	682	1,044	1,683	2,011	983	420	243	219	257	302
6	373	468	667	1,096	1,695	2,060	939	414	243	212	249	310
7	371	471	645	1,166	1,677	2,185	935	394	235	222	249	306
8	372	507	625	1,194	1,694	2,114	879	377	235	223	253	302
9	376	502	646	1,185	1,725	2,045	833	370	235	222	258	297
10	365	515	632	1,181	1,805	2,067	798	373	236	221	261	295
11	371	521	643	1,181	1,831	2,059	792	351	228	220	261	298
12	378	535	646	1,178	1,868	2,030	780	351	226	219	258	296
13	379	555	622	1,201	1,963	2,060	748	352	228	226	258	314
14	390	546	659	1,194	1,867	1,976	759	333	221	223	269	309
15	367	529	704	1,163	1,889	1,994	730	335	218	222	263	315
16	373	550	701	1,192	1,863	1,884	702	331	216	226	262	319
17	373	584	718	1,180	1,995	1,771	682	322	221	226	264	320
18	374	592	737	1,226	2,036	1,674	664	319	217	229	265	308
19	384	577	767	1,214	2,098	1,568	665	308	217	231	273	302
20	402	567	787	1,280	2,064	1,514	660	304	214	236	268	313
21	393	558	847	1,319	2,010	1,447	644	301	218	234	265	304
22	408	566	845	1,379	2,034	1,449	602	290	214	227	262	324
23	412	569	874	1,383	2,026	1,403	596	295	211	232	275	334
24	423	574	875	1,398	2,079	1,392	567	284	203	230	273	328
25	421	593	902	1,402	2,048	1,318	551	290	208	231	276	331
26	403	598	950	1,436	2,042	1,283	555	272	212	239	276	321
27	408	620	974	1,480	2,079	1,250	528	272	209	245	269	327
28	419	623	982	1,499	2,114	1,237	503	267	200	243	266	329
29	419	598	958	1,497	2,090	1,202	502	268	204	241	276	329
30	427	-	968	1,538	2,162	1,174	484	271	213	239	275	339
31	451	-	989	-	2,140	-	479	269	-	237	-	344
TOTAL	11,974	15,101	23,525	37,259	59,196	52,347	22,779	10,564	6,727	7,076	7,877	9,667
MAXIMUM DAY	451	623	989	1,538	2,162	2,185	1,125	479	252	245	276	344
MINIMUM DAY	344	429	608	1,005	1,619	1,174	479	267	200	212	244	278
MEAN	386	535	759	1,242	1,910	1,745	735	341	224	228	263	312
TOTAL AC. FT.	23,750	29,952	46,661	73,902	117,413	103,829	45,181	20,953	13,343	14,035	15,624	19,174
WHOLE YEAR:-	TOTAL,	264,092	MAX.,	2,185	MIN.,	200	MEAN,	723	TOTAL AC.FT.,	523,817		

KERN RIVER REGULATED FLOW AT FIRST POINT OF MEASUREMENT (1954 to Date)

RECAPITULATION IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1954	22,019	30,361	44,575	79,089	80,539	81,189	61,059	39,830	22,114	14,450	17,500	17,595	510,320
1955	19,795	22,058	34,671	38,874	48,188	72,196	43,259	25,065	12,936	10,399	13,599	26,743	367,783
1956	41,377	40,326	62,779	49,291	94,887	115,428	124,007	99,489	52,098	42,294	16,990	16,534	755,500
1957	17,958	22,425	34,935	39,677	52,885	96,466	70,175	39,943	22,471	17,282	13,795	17,847	445,859
1958	19,137	28,175	42,125	78,472	131,421	181,305	187,890	143,722	61,519	49,825	25,095	18,625	967,511
1959	20,811	20,991	37,767	29,936	27,463	94,028	59,817	22,699	10,524	8,700	9,786	10,643	353,165
1960	12,516	17,405	24,044	25,041	47,986	81,481	38,991	26,386	13,154	10,483	13,803	12,798	324,088
1961	11,280	10,736	14,017	16,318	16,780	19,321	25,222	13,404	13,404	7,267	9,281	12,121	177,063
1962	13,121	27,435	44,838	95,445	87,187	112,437	113,318	40,778	26,164	22,623	12,448	12,054	607,848
1963	12,067	24,175	32,959	38,914	54,756	80,063	127,710	118,179	68,368	64,828	31,174	23,044	676,237
1964	20,356	21,152	28,532	27,485	28,451	76,268	71,078	31,323	10,989	8,852	14,259	22,879	361,624
1965	35,784	35,907	41,383	39,399	61,313	85,934	96,236	75,497	52,397	47,220	34,356	28,877	634,303
1966	29,978	22,752	50,933	44,634	37,289	67,486	68,338	51,110	19,535	14,739	15,265	82,447	504,506
1967	146,180	40,516	57,923	82,732	190,249	200,743	183,566	240,154	146,509	85,002	56,799	35,482	1,465,855
1968	33,088	36,284	44,904	45,035	52,156	88,046	82,937	56,584	13,656	13,886	16,365	14,085	497,026
1969	50,499	106,247	237,265	378,817	332,015	374,787	263,903	221,738	121,359	102,494	90,523	34,122	2,313,769
1970	42,299	32,206	52,489	60,101	53,698	86,904	94,112	88,421	35,667	21,285	18,228	15,844	601,254
1971	25,978	35,520	48,589	30,809	31,950	57,322	82,128	64,643	23,520	12,184	12,839	17,169	442,651
1972	19,527	22,094	32,130	29,760	32,410	44,965	47,996	31,579	11,560	10,286	12,460	16,524	311,291
1973	21,356	26,214	38,878	66,541	97,172	143,554	161,028	102,660	47,983	29,457	24,811	25,579	785,133
1974	35,447	45,969	49,248	47,151	57,477	96,807	120,476	109,093	69,648	54,365	37,085	23,137	745,903
1975	21,221	34,844	45,041	38,444	57,142	95,197	108,932	89,738	34,139	17,072	15,108	15,213	572,091
1976	14,690	19,008	31,789	23,609	28,901	52,300	54,190	30,742	21,828	19,440	12,946	11,341	320,784
1977	14,051	14,380	15,925	18,778	17,431	25,813	32,951	21,888	8,765	7,660	8,287	14,773	200,702
1978	26,132	50,285	49,222	149,450	266,073	236,549	198,587	146,660	73,234	93,098	70,927	10,306	1,390,675
1979	32,549	31,793	45,903	46,508	62,557	109,987	126,343	107,605	32,267	22,792	18,855	18,909	656,068
1980	55,976	81,590	157,503	185,089	167,415	194,134	238,716	200,338	106,516	82,893	61,644	28,838	1,560,652
1981	25,482	27,013	40,594	41,768	46,348	78,405	80,906	51,310	14,315	14,324	18,426	21,578	460,469
1982	30,363	43,374	57,060	86,469	155,508	166,492	156,341	88,411	104,122	101,403	82,435	1,121,088	1,121,088
1983	57,566	71,165	152,862	286,605	370,706	419,760	387,505	176,194	153,814	117,233	97,616	90,549	2,381,575
1984	84,280	96,998	68,614	49,793	67,327	89,409	110,785	96,734	43,180	41,726	37,420	47,770	834,036
1985	40,133	48,686	53,821	56,358	72,506	98,757	111,385	77,728	34,973	25,305	20,333	28,986	668,971
1986	31,277	39,039	95,946	172,221	205,204	233,197	193,767	141,114	67,569	82,792	45,227	24,208	1,331,561
1987	24,117	28,919	43,408	44,894	43,609	68,424	73,047	42,545	18,589	15,824	14,269	14,664	432,309
1988	20,793	26,906	35,036	33,769	31,815	50,995	60,458	28,346	13,529	9,025	10,318	14,483	335,473
1989	16,869	21,568	32,092	38,575	39,632	56,527	55,765	36,204	14,241	12,773	10,788	13,739	348,773
1990	12,926	16,124	25,071	24,422	25,454	30,030	31,129	21,519	6,885	8,979	8,037	8,925	219,501
1991	10,627	9,112	27,814	28,937	30,539	62,997	63,654	48,196	12,490	11,353	13,381	14,394	333,494
1992	13,593	20,711	25,451	25,777	33,548	38,600	40,967	31,928	10,195	7,789	10,383	13,880	272,822
1993	22,062	25,426	52,479	45,489	63,322	107,357	118,677	88,671	51,846	34,725	14,021	18,264	642,339
1994	19,622	28,720	41,819	41,256	35,411	69,470	75,175	53,484	16,072	13,745	12,060	15,527	422,361
1995	19,839	20,858	57,225	113,865	138,034	186,960	195,546	205,924	102,593	71,157	57,106	27,993	1,197,100
1996	28,994	34,576	47,226	59,046	148,419	153,050	147,913	113,232	64,770	43,593	45,201	82,016	968,036
1997	63,352	142,831	158,678	95,933	120,789	133,315	133,724	108,452	55,240	42,278	31,894	46,977	1,133,463
1998	45,636	93,987	97,468	132,317	239,423	284,408	239,607	200,713	114,224	89,980	93,054	31,739	1,662,556
1999	32,523	40,907	29,480	38,071	64,411	78,924	64,167	36,405	20,473	10,848	16,203	16,203	461,621
2000	19,946	23,320	33,834	46,580	49,204	81,023	83,659	59,577	26,533	20,340	12,260	16,260	472,536
2001	13,936	17,643	26,364	29,679	41,423	73,624	61,618	42,432	21,410	15,588	13,259	18,793	375,769
2002	25,339	19,898	26,465	28,300	34,740	54,714	58,163	36,317	16,197	13,635	20,165	23,694	357,627
2003	28,584	20,966	24,889	25,548	41,952	78,152	83,336	68,297	37,192	29,364	12,785	17,724	468,789
2004	19,772	17,917	34,389	49,551	49,068	71,088	61,801	48,508	27,646	15,009	14,041	16,589	425,379
2005	34,455	33,256	36,881	38,928	86,217	191,024	188,997	137,561	78,554	60,066	35,747	30,654	952,340
2006	55,783	32,313	24,899	49,968	273,669	258,061	157,823	86,747	45,725	22,006	20,484	18,660	1,046,136
2007	23,408	22,678	28,256	27,362	36,690	49,642	57,969	36,724	17,179	12,742	9,645	11,998	334,293
2008	13,854	19,952	34,365	39,580	58,926	83,715	80,059	68,881	28,848	18,787	15,935	9,857	472,759
2009	14,268	19,888	28,126	34,491	47,734	75,827	84,876	56,850	34,415	20,772	14,437	10,584	442,288
2010	12,012	14,686	30,864	50,750	117,758	144,075	125,470	105,922	53,233	28,571	17,448	51,515	752,304
2011	85,304	69,949	68,260	154,407	244,080	242,027	192,218	119,108	86,797	88,895	28,040	25,470	1,404,555
2012	25,173	27,493	33,156	33,807	51,211	67,845	60,641	14,174	14,174	10,564	11,989	17,011	384,409
2013	20,052	17,268	17,039	21,762	27,871	36,007	24,845	14,419	11,328	9,638	7,117	4,784	212,130
2014	10,920	8,951	16,036	19,712	24,124	25,505	18,898	15,610	7,018	9,577	7,820	11,185	175,356
2015	10,582	10,930	14,596	14,295	17,371	19,812	14,994	5,313	3,415	6,777	9,769	11,903	139,757
2016	18,647	19,275	23,138	21,431	25,219	42,887	45,199	33,513	12,956	11,663	9,811	13,076	276,815
2017	55,448	131,048	275,920	260,453	316,003	321,321	241,413	105,419	62,023	65,211	25,827	22,591	1,882,677
2018	24,676	10,730	23,712	26,792	56,024	86,949	86,023	68,131	30,937	13,429	12,486	17,211	457,100
2019	19,670	8,837	36,958	151,809	200,237	270,095	187,913	106,813	74,327	47,584	25,384	31,394	1,161,021
2020	27,306	20,989	21,000	37,199	54,526	61,964	66,140	39,826	15,873	10,156	9,209	11,510	375,698
2021	13,594	15,750	16,470	23,127	22,109	29,544	18,195	8,894	6,438	7,876	10,189	14,461	186,647
MAXIMUM	146,180	142,831	275,920	378,817	370,706	419,760	387,505	240,154	153,814	117,233	101,403	90,549	2,381,575
MINIMUM	10,582	8,837	14,017	14,295	14,994	19,321	14,994	5,313	3,415	6,777	7,117	4,784	139,757
AcFt TOTAL	1,987,975	2,321,505	3,409,907	4,368,493	5,928,573	7,717,191	7,248,641	5,286,189	2,763,783	2,196,322	1,694,943	1,610,052	46,533,574
AcFt AVERAGE	29,235	34,140	50,146	64,242	87,185	113,488	106,598	77,738	40,644	32,299	24,926	23,676	684,317
S.F.D. AVERAGE	475	609	816	1,080	1,418	1,907	1,264	683	525	419	385	419	943

DISCHARGE IN CUBIC FEET PER SECOND

Kern River Mean Regulated Flow at First Point of Measurement
(1954 to Date)

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	427	505	757	908	1,269	1,639	1,880	1,471	860	609	429	393
2	434	512	750	928	1,291	1,685	1,845	1,445	839	615	422	375
3	424	525	757	933	1,299	1,736	1,837	1,449	820	601	424	366
4	428	527	763	935	1,335	1,780	1,812	1,441	807	590	428	370
5	445	524	762	953	1,343	1,806	1,839	1,445	781	582	422	379
6	477	537	775	958	1,343	1,825	1,858	1,449	759	595	424	435
7	448	540	778	975	1,341	1,858	1,859	1,433	739	574	419	383
8	445	541	771	1,001	1,360	1,877	1,869	1,420	724	562	420	371
9	440	614	766	1,025	1,369	1,896	1,870	1,427	706	560	423	364
10	441	601	783	1,048	1,372	1,909	1,853	1,423	694	549	423	359
11	436	577	805	1,063	1,368	1,923	1,825	1,410	687	536	432	358
12	441	577	788	1,073	1,382	1,934	1,815	1,388	676	512	428	365
13	444	586	795	1,074	1,388	1,947	1,792	1,360	666	514	431	363
14	447	607	790	1,079	1,389	1,964	1,793	1,335	666	513	419	360
15	451	605	807	1,093	1,379	1,962	1,790	1,325	657	505	415	365
16	469	598	812	1,096	1,385	1,973	1,777	1,311	657	498	418	362
17	471	600	823	1,102	1,386	2,008	1,741	1,289	650	489	422	365
18	483	610	815	1,107	1,400	2,015	1,706	1,290	640	498	417	387
19	487	623	816	1,126	1,410	2,017	1,688	1,262	632	502	417	412
20	486	653	828	1,127	1,440	1,990	1,662	1,225	626	504	418	398
21	488	658	842	1,132	1,457	1,989	1,682	1,197	623	506	423	385
22	481	678	850	1,139	1,473	1,999	1,665	1,158	625	501	416	382
23	492	707	859	1,151	1,491	1,984	1,656	1,135	628	498	407	388
24	519	711	861	1,168	1,498	1,998	1,632	1,117	627	496	396	387
25	533	703	864	1,166	1,504	1,979	1,610	1,091	623	495	408	387
26	552	707	864	1,177	1,498	1,945	1,609	1,053	624	491	414	389
27	543	714	874	1,193	1,505	1,899	1,595	1,022	620	485	413	401
28	525	726	878	1,196	1,520	1,883	1,568	997	617	480	416	411
29	518	584	869	1,214	1,549	1,906	1,554	970	618	484	411	425
30	530	-	882	1,249	1,586	1,891	1,547	946	600	480	412	425
31	534	-	898	-	1,626	-	1,514	909	-	460	-	427
TOTAL	14,739	17,212	25,282	32,389	43,956	57,217	53,743	39,193	20,491	16,284	12,567	11,937
MAX. INSTANT	4,567	8,280	5,691	7,394	6,675	7,576	7,327	4,694	3,126	7,000	2,275	9,289
MIN. INSTANT	38	67	118	86	143	215	124	47	50	36	66	22
MEAN	475	609	816	1,080	1,418	1,907	1,734	1,264	683	525	419	385
TOTAL AC. FT.	29,235	34,140	50,146	64,242	87,185	113,488	106,598	77,738	40,644	32,299	24,926	23,676
WHOLE YEAR :	TOTAL,	345,010	MAX.,	9,289	MIN.,	22	MEAN,	943	TOTAL AC.FT.,	684,317		

Isabella Reservoir Daily Mean Storage (1954-2021)

MIDNIGHT STORAGE IN ACRE-FEET

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	145,447	156,708	167,850	182,141	212,152	271,678	282,880	239,364	188,621	163,424	145,923	139,594
2	145,695	157,062	168,228	182,922	213,737	273,312	282,161	237,737	187,542	162,676	145,572	139,539
3	146,258	157,238	168,552	183,673	215,312	274,855	281,397	236,030	186,478	161,804	145,224	139,585
4	146,539	157,398	168,947	184,456	216,983	276,267	280,617	234,281	185,449	161,232	144,869	139,555
5	146,978	157,554	169,493	185,176	218,644	277,782	279,683	232,495	184,533	160,543	144,505	139,886
6	147,157	157,844	169,935	185,886	220,370	279,159	278,685	230,659	183,661	159,845	144,167	142,017
7	147,358	158,256	170,255	186,638	222,052	280,497	277,617	228,831	182,760	159,175	143,825	142,461
8	147,639	158,826	170,591	187,440	223,720	281,645	276,413	227,038	181,864	158,500	143,746	142,591
9	148,011	159,407	170,875	188,220	225,470	282,634	275,135	225,169	180,968	157,836	143,708	142,661
10	148,333	159,945	171,234	188,925	227,346	283,536	273,819	223,307	180,072	157,179	143,479	142,756
11	148,699	160,315	171,656	189,824	229,175	284,284	272,461	221,480	179,195	156,555	143,227	142,922
12	149,142	160,617	172,003	190,719	230,962	284,913	271,048	219,665	178,365	155,995	142,944	142,994
13	149,635	161,109	172,301	191,594	232,808	285,362	269,642	217,850	177,518	155,413	142,667	143,047
14	150,097	161,653	172,651	192,445	234,651	285,802	268,228	216,058	176,650	154,865	142,405	143,065
15	150,361	162,124	172,950	193,321	236,577	286,152	266,711	214,287	175,793	154,323	142,152	143,068
16	150,730	162,535	173,294	194,191	238,557	286,470	265,199	212,545	174,914	153,796	141,879	143,119
17	151,057	162,957	173,680	195,117	240,569	286,641	263,674	210,801	174,069	153,289	141,648	143,129
18	151,246	163,707	174,033	196,077	242,633	286,688	262,199	209,043	173,236	152,774	141,461	143,170
19	151,539	164,364	174,417	197,076	244,821	286,759	260,679	207,359	172,404	152,246	141,251	143,442
20	151,823	165,045	174,801	198,132	247,027	286,846	259,110	205,722	171,596	151,734	141,031	143,710
21	152,133	165,507	175,287	199,247	249,173	286,869	257,488	204,085	170,816	151,178	140,842	143,765
22	152,454	165,897	175,863	200,385	251,346	286,797	255,900	202,511	170,007	150,636	140,707	143,920
23	152,797	166,255	176,472	201,503	253,490	286,675	254,286	200,950	169,193	150,104	140,553	144,469
24	153,192	166,544	177,030	202,595	255,603	286,392	252,676	199,422	168,399	149,583	140,444	144,807
25	154,186	166,857	177,574	203,741	257,629	286,049	251,041	197,896	167,650	149,047	140,370	145,089
26	154,839	167,220	178,106	204,915	259,704	285,682	249,366	196,437	167,033	148,553	140,224	145,314
27	155,246	167,313	178,695	206,220	261,798	285,322	247,702	195,025	166,335	148,094	140,028	145,606
28	155,506	167,530	179,368	207,621	263,899	284,864	246,033	193,657	165,590	147,620	139,865	145,778
29	155,670	171,110	180,000	209,093	265,998	284,266	244,330	192,317	164,859	147,293	139,727	145,948
30	155,792	-	180,659	210,607	267,947	283,593	242,642	191,012	164,146	146,711	139,689	146,065
31	156,148	-	181,380	-	269,859	-	240,966	189,764	-	146,320	-	146,152
MAXIMUM DAY	156,148	171,110	181,380	210,607	269,859	286,869	282,880	239,364	188,621	163,424	145,923	146,152
MINIMUM DAY	145,447	156,708	167,850	182,141	212,152	271,678	240,966	189,764	164,146	146,320	139,689	139,539

HISTORICAL INFLOWS TO ISABELLA LAKE

Runoff in 1,000 acre-feet

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1955	11.8	14.4	16.0	18.1	22.7	28.1	35.1	67.9	83.4	29.1	18.9	10.3	355.8
1956	9.5	11.5	90.4	77.1	48.2	59.9	94.5	156.3	167.4	97.2	38.1	20.3	870.4
1957	17.6	15.7	15.1	16.4	25.3	30.3	38.5	78.1	131.8	41.0	16.4	12.5	438.7
1958	13.6	13.3	17.6	20.6	36.5	61.5	153.6	312.3	231.7	120.1	51.1	25.8	1057.7
1959	20.6	18.7	17.8	19.3	21.2	31.7	39.5	39.4	33.0	15.8	9.9	9.6	276.5
1960	9.6	9.7	10.3	12.2	27.9	30.2	44.5	58.0	45.5	15.1	7.9	8.4	279.3
1961	9.5	13.0	11.7	10.6	10.0	13.1	23.0	29.1	23.8	8.5	15.1	7.6	175.0
1962	7.1	8.8	11.0	12.4	47.1	32.4	140.5	130.8	154.7	72.1	23.7	13.1	653.7
1963	12.9	11.6	11.1	26.5	99.6	41.0	67.6	134.0	162.3	102.6	42.2	26.5	737.9
1964	24.5	23.8	21.5	18.2	16.6	22.7	39.6	60.0	52.3	22.0	13.3	8.6	323.1
1965	8.7	13.9	44.2	43.5	30.2	33.2	74.5	131.0	149.9	94.9	50.7	22.0	696.7
1966	15.6	28.4	28.3	27.0	21.4	37.8	66.7	81.5	45.4	21.9	16.1	9.6	399.7
1967	9.5	13.7	299.0	59.6	62.5	83.2	95.5	268.1	302.9	238.1	90.5	53.5	1576.1
1968	34.9	31.9	33.0	32.2	38.9	47.1	64.4	86.7	62.1	28.4	18.4	11.3	489.3
1969	12.6	15.3	17.1	159.4	93.4	133.9	337.4	597.5	485.6	236.0	93.8	44.3	2226.3
1970	33.3	32.4	30.9	61.8	39.0	56.9	62.1	109.8	92.7	49.2	22.7	13.4	604.2
1971	12.7	18.8	26.8	31.5	29.4	40.6	51.1	64.4	81.1	41.6	18.9	11.1	428.0
1972	11.4	13.4	17.2	18.2	17.6	32.3	27.3	45.4	37.7	14.6	10.7	11.2	257.0
1973	10.6	14.5	19.3	30.5	32.2	45.0	103.9	282.5	226.5	91.8	36.9	18.8	912.5
1974	16.8	20.4	25.1	45.6	28.1	68.8	108.1	182.2	166.7	68.6	37.6	20.4	788.4
1975	19.1	17.6	20.6	21.1	25.3	39.9	43.9	142.8	138.8	50.3	22.4	16.2	558.0
1976	15.1	14.7	15.6	14.6	15.3	21.8	24.2	47.0	18.9	13.9	13.7	23.1	237.9
1977	18.7	11.7	10.0	12.2	12.0	12.6	22.4	24.3	34.5	10.3	9.8	7.0	185.5
1978	7.9	8.1	21.8	42.0	90.0	163.4	170.2	352.2	351.9	188.1	73.1	58.9	1527.6
1979	28.1	24.3	27.2	32.2	38.7	66.9	99.4	164.0	105.5	47.0	26.9	19.1	679.3
1980	18.2	18.2	17.7	138.7	159.4	130.7	204.1	284.4	274.9	198.9	69.9	35.1	1550.2
1981	27.1	24.9	28.0	25.9	33.4	43.6	67.5	90.8	65.7	25.5	15.6	12.2	460.2
1982	14.0	18.5	21.4	33.9	49.5	71.4	202.9	253.0	194.9	124.6	58.1	60.6	1102.8
1983	45.1	55.2	73.7	81.0	121.2	227.6	182.2	465.9	567.1	285.8	152.5	61.0	2318.3
1984	46.9	65.9	93.6	69.1	55.0	77.3	88.0	159.4	90.7	72.4	45.6	26.9	890.8
1985	26.2	33.6	35.6	36.7	37.0	49.5	133.6	147.4	100.4	38.7	23.4	16.7	678.8
1986	15.1	20.0	30.4	38.9	143.6	196.2	198.6	283.9	250.4	107.4	46.1	24.3	1354.9
1987	25.5	22.4	21.3	22.5	27.3	37.7	54.5	72.6	54.5	23.4	13.6	10.0	385.3
1988	10.6	14.3	15.5	22.0	19.1	29.0	39.6	58.4	42.6	21.5	13.4	10.2	296.2
1989	8.9	9.9	14.6	15.4	22.6	64.0	90.2	69.8	48.4	22.1	12.3	10.2	388.4
1990	10.4	10.5	10.0	11.4	11.8	21.4	32.0	38.5	29.1	14.9	8.2	6.3	204.5
1991	8.3	7.6	7.8	9.6	8.5	44.2	55.2	78.9	100.7	37.9	14.1	11.1	383.9
1992	9.4	12.7	11.6	12.7	20.0	24.6	54.2	74.7	33.3	16.3	11.7	7.5	288.7
1993	9.6	11.5	13.4	36.1	35.8	90.1	131.9	202.9	163.9	88.0	34.6	16.1	833.9
1994	13.4	14.1	17.1	18.3	22.6	38.1	46.3	68.4	56.6	20.8	11.2	9.1	336.0
1995	14.6	12.2	14.1	41.9	45.9	146.4	137.6	245.0	281.9	227.7	78.3	37.7	1283.3
1996	21.7	20.4	25.7	36.7	87.8	99.7	143.7	218.1	150.6	67.9	29.9	16.0	918.2
1997	15.1	39.5	80.9	231.9	94.8	113.0	142.0	211.7	137.7	71.1	39.7	23.6	1201.0
1998	22.5	25.1	26.1	40.4	101.4	126.8	163.9	277.5	346.3	251.4	82.0	46.2	1509.6
1999	35.2	33.1	29.8	33.9	33.6	35.3	52.7	94.1	67.7	31.3	15.0	12.0	473.7
2000	10.6	12.2	12.4	17.5	32.0	46.5	66.9	130.1	81.9	27.8	14.7	10.9	463.5
2001	12.1	12.0	11.9	14.3	17.6	35.7	57.1	125.2	41.4	23.8	11.3	9.3	371.7
2002	9.6	14.8	23.6	25.2	19.9	30.3	58.3	71.1	63.9	21.6	9.7	8.0	356.0
2003	9.0	71.8	26.3	30.9	29.6	47.3	54.5	113.2	118.1	36.1	23.4	14.8	575.0
2004	10.3	12.4	17.3	22.2	23.7	68.9	64.1	79.9	56.6	22.9	12.9	8.8	400.0
2005	12.7	14.5	16.3	68.9	47.2	91.0	129.8	283.4	231.2	123.5	45.0	26.4	1089.9
2006	22.6	19.5	31.2	51.6	35.2	62.1	143.5	296.9	222.7	100.3	36.9	20.2	1042.7
2007	18.8	17.4	20.2	19.7	20.7	33.7	35.5	51.7	24.4	13.7	10.0	8.8	274.6
2008	10.1	9.9	13.0	22.3	34.6	56.9	80.7	122.9	89.3	37.6	15.2	10.3	502.8
2009	11.3	16.9	16.7	22.7	26.8	40.8	63.6	131.8	66.4	35.5	14.3	10.5	457.3
2010	24.6	15.3	18.5	24.3	34.9	55.7	93.8	161.5	226.1	93.4	29.6	17.5	795.2
2011	18.0	19.5	109.2	66.5	51.0	101.4	220.6	256.8	269.3	172.4	70.8	36.8	1392.3
2012	41.5	28.2	23.7	28.4	25.4	36.4	64.4	71.2	28.2	14.3	11.1	9.9	382.7
2013	9.1	11.4	18.1	19.1	16.9	24.4	33.9	39.4	20.2	12.2	8.7	6.9	220.3
2014	8.0	9.0	9.9	10.1	11.5	16.2	26.4	40.0	20.9	7.7	12.5	5.3	177.5
2015	5.9	7.9	11.9	10.5	13.4	13.6	13.6	17.3	13.4	12.6	5.2	4.0	129.3
2016	7.5	9.9	13.5	20.1	25.8	37.8	48.5	72.1	75.8	23.6	9.8	6.3	350.7
2017	7.0	8.8	18.5	150.1	227.5	180.5	278.8	378.9	337.2	166.7	67.5	37.1	1858.6
2018	28.3	25.2	23.1	26.3	18.5	47.8	83.8	73.3	48.9	32.7	21.5	10.9	440.3
2019	11.7	12.1	17.0	28.3	56.9	127.5	201.3	250.4	301.0	154.4	52.5	30.3	1243.4
2020	23.6	23.0	32.7	26.9	24.9	29.0	57.0	86.2	37.9	20.0	13.6	10.6	385.4
2021	8.7	11.1	12.4	13.6	15.3	16.6	23.7	29.8	14.9	8.7	7.1	5.8	167.7
MEAN	16.6	19.0	29.0	37.9	42.8	61.2	91.8	148.1	131.8	69.1	30.7	18.6	696.6

PRECIPITATION DATA -- ISABELLA DAM & RESERVOIR
OCTOBER 1949 TO DATE
(In Inches)

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1949-50	0.05	0.65	1.32	1.37	2.60	1.02	0.44	0.00	0.00	0.23	0.11	0.21	8.00
1950-51	0.08	3.16	0.98	1.12	0.18	0.11	0.93	0.03	0.00	0.00	0.00	0.00	6.59
1951-52	0.35	0.47	4.77	5.52	0.37	3.26	0.12	0.00	0.00	0.00	0.00	0.11	14.97
1952-53	0.00	1.98	3.09	2.39	0.04	0.67	1.20	0.20	0.00	0.00	0.09	0.00	9.66
1953-54	0.13	0.90	0.78	1.88	2.26	2.13	0.16	0.07	0.00	0.00	0.00	0.02	8.33
1954-55	0.00	0.80	1.30	2.47	1.05	0.00	0.67	0.78	0.00	0.00	0.00	0.00	7.07
1955-56	0.00	1.34	4.01	4.25	0.26	0.03	1.51	0.43	0.00	0.20	0.00	0.00	12.03
1956-57	0.42	0.00	0.17	1.88	0.96	0.84	0.72	1.03	0.01	0.02	0.00	0.00	6.05
1957-58	0.19	0.33	1.63	3.09	4.45	3.63	2.77	0.24	0.00	0.00	0.05	0.20	16.58
1958-59	0.17	0.49	0.02	0.64	1.54	0.08	0.45	0.07	0.00	0.00	0.00	0.34	3.80
1959-60	0.00	0.00	0.97	1.77	6.48	0.43	1.28	0.34	0.00	0.00	0.00	0.07	11.34
1960-61	0.12	1.26	0.12	0.50	0.01	1.59	0.51	0.16	0.11	0.02	1.20	0.00	5.60
1961-62	0.00	2.15	0.79	2.55	5.35	1.26	0.00	0.08	0.00	0.00	0.00	0.00	12.18
1962-63	0.03	0.00	0.00	1.52	3.06	2.06	1.07	0.13	0.72	0.00	1.16	1.16	10.91
1963-64	2.02	1.20	0.46	0.97	0.07	1.93	0.84	0.10	0.03	0.00	0.01	0.00	7.63
1964-65	0.47	1.82	3.99	1.75	0.27	1.21	2.58	0.18	0.13	0.39	0.50	0.20	13.49
1965-66	0.00	2.76	2.37	0.66	0.75	0.22	0.00	0.00	0.00	0.00	0.80	0.00	7.56
1966-67	0.00	1.09	11.53	2.49	0.02	0.63	2.75	0.18	0.24	0.30	0.23	1.63	21.09
1967-68	0.00	1.41	1.85	0.82	0.85	1.55	0.77	0.01	0.00	0.01	0.11	0.00	7.38
1968-69	0.35	1.28	1.65	9.56	6.12	1.14	0.95	0.35	0.34	0.27	0.00	0.10	22.11
1969-70	0.07	0.56	0.24	3.91	0.54	1.89	0.43	0.00	0.02	0.01	0.00	0.00	7.67
1970-71	0.04	3.47	2.20	0.54	0.37	0.45	0.66	0.89	0.00	0.06	0.54	0.00	9.22
1971-72	0.05	0.47	3.04	0.00	0.39	0.00	0.37	0.05	0.80	0.00	0.34	0.03	5.54
1972-73	0.66	3.13	2.48	3.96	2.57	2.65	0.25	0.25	0.00	0.00	0.00	0.00	15.95
1973-74	0.11	1.26	1.25	2.75	0.09	2.00	1.95	0.39	0.00	0.78	0.00	0.00	10.58
1974-75	2.30	0.10	1.96	0.65	1.82	2.77	0.49	0.04	0.00	0.00	0.03	1.85	12.01
1975-76	0.41	0.22	0.07	0.02	1.25	1.61	0.89	0.05	0.00	0.41	0.00	5.20	10.13
1976-77	0.23	0.07	0.32	1.50	1.04	0.75	0.00	0.91	0.39	0.00	0.87	0.00	6.08
1977-78	0.02	0.17	5.02	4.51	7.44	3.46	0.87	0.00	0.00	0.03	0.00	1.33	22.85
1978-79	0.02	0.39	1.11	3.24	3.22	2.54	0.00	0.19	0.00	0.03	0.14	0.93	11.81
1979-80	0.95	0.33	0.34	7.71	4.32	1.85	0.51	0.55	0.00	0.00	0.00	0.00	16.56
1980-81	0.09	0.01	0.63	2.65	1.49	3.05	0.23	0.34	0.00	0.00	0.00	0.04	8.53
1981-82	1.05	1.17	1.16	4.04	1.15	4.27	1.59	0.01	0.04	0.00	0.13	0.71	15.32
1982-83	0.78	3.14	3.78	4.31	4.36	5.96	0.58	0.09	0.00	0.00	1.14	0.20	24.34
1983-84	0.63	3.49	3.56	0.00	1.13	0.31	0.51	0.00	0.02	2.01	0.63	0.00	12.29
1984-85	0.62	2.90	1.93	0.68	1.16	1.71	0.03	0.00	0.00	0.00	0.00	0.15	9.18
1985-86	0.10	2.27	1.43	2.94	3.58	3.58	0.10	0.00	0.00	0.38	0.00	0.27	14.65
1986-87	0.24	0.54	0.27	2.65	2.03	1.88	0.10	0.42	0.48	0.00	0.00	0.04	8.65
1987-88	0.62	0.87	1.36	1.80	0.40	0.24	1.41	0.50	0.05	0.51	0.00	0.00	7.76
1988-89	0.00	1.75	3.15	0.29	2.24	2.28	0.09	0.04	0.00	0.00	0.00	0.62	10.46
1989-90	0.11	0.30	0.00	1.33	1.00	0.67	0.44	0.26	0.02	0.00	0.00	0.35	4.48
1990-91	0.01	0.61	0.74	0.99	1.17	6.43	0.03	0.09	0.00	0.00	0.01	0.19	10.27
1991-92	0.53	1.30	1.45	1.02	3.10	1.82	0.00	0.12	0.00	0.00	0.00	0.00	9.34
1992-93	0.94	0.00	2.80	4.09	4.15	0.79	0.00	0.00	0.64	0.00	0.00	0.00	13.41
1993-94	0.12	1.52	1.60	0.66	3.10	0.76	0.87	0.19	0.00	0.00	0.00	0.25	9.07
1994-95	0.31	1.45	0.71	7.26	1.35	3.83	0.38	0.55	0.40	0.00	0.51	0.00	16.75
1995-96	0.00	0.00	1.79	4.36	5.03	1.47	0.53	0.00	0.00	0.00	0.00	0.00	13.18
1996-97	0.66	2.38	4.29	3.90	0.13	0.00	0.00	0.00	0.00	0.08	0.00	1.02	12.46
1997-98	0.40	1.76	1.74	2.72	10.60	2.87	0.52	1.74	0.09	0.00	0.00	0.09	22.53
1998-99	0.12	1.03	0.60	3.82	0.51	0.57	1.65	0.98	0.00	0.04	0.00	0.39	9.71
1999-00	0.00	0.18	0.00	1.55	3.98	0.79	0.56	0.10	0.00	0.00	0.07	0.00	7.23
2000-01	0.51	0.14	0.23	2.28	3.16	0.15	1.86	0.00	0.00	0.42	0.00	0.00	8.75
2001-02	0.57	3.11	2.37	0.39	0.32	1.09	0.03	0.28	0.00	0.11	0.00	0.00	8.27
2002-03	0.00	5.76	2.65	0.01	1.70	1.24	0.73	0.56	0.00	0.29	0.78	0.56	14.28
2003-04	0.18	0.71	2.04	1.09	3.04	0.46	0.05	0.00	0.00	0.00	0.00	0.00	7.57
2004-05	1.98	0.39	2.76	6.03	0.99	2.01	0.72	0.68	0.00	0.00	0.85	0.51	16.92
2005-06	1.11	0.06	3.63	3.10	1.38	2.21	0.93	0.02	0.00	1.68	0.00	0.00	14.12
2006-07	0.19	0.06	2.32	0.57	1.84	0.68	0.20	0.00	0.00	0.00	0.00	0.42	6.28
2007-08	0.06	0.10	1.56	3.94	5.96	0.02	0.00	0.02	0.00	0.14	0.00	0.08	11.88
2008-09	0.08	2.26	2.92	0.44	2.25	1.25	0.11	0.83	0.07	0.00	0.00	0.00	10.21
2009-10	0.31	0.08	3.00	3.35	2.96	0.66	1.09	0.11	0.00	0.00	0.00	0.00	11.56
2010-11	0.78	1.66	11.82	0.76	1.23	1.91	0.09	0.58	0.00	0.51	0.00	0.34	19.68
2011-12	0.75	1.19	0.00	1.92	0.41	1.76	1.27	0.03	0.00	0.00	0.03	0.00	7.36
2012-13	0.11	0.23	1.86	0.59	0.19	0.36	0.41	0.25	0.00	0.12	0.57	0.00	4.69
2013-14	0.24	0.50	0.38	0.35	1.10	0.99	0.75	0.02	0.00	0.00	0.22	0.00	4.55
2014-15	0.20	0.07	3.35	1.22	1.59	0.16	0.47	0.59	0.26	0.32	0.00	0.03	8.26
2015-16	1.21	1.25	3.89	3.07	0.39	1.11	0.37	0.04	0.00	0.00	0.00	0.00	11.33
2016-17	0.20	1.00	4.02	10.48	3.56	0.33	0.18	0.00	0.04	0.04	0.13	0.13	20.11
2017-18	0.00	0.16	0.00	0.84	0.01	3.61	0.85	0.06	0.00	0.00	0.00	0.03	5.56
2018-19	0.04	1.19	2.83	4.36	5.04	3.48	0.00	2.12	0.03	0.00	0.00	0.01	19.10
2019-20	0.00	2.70	2.03	0.48	0.13	1.35	2.85	0.02	0.00	0.00	0.00	0.00	9.56
2020-21	0.00	1.47	0.75	1.10	0.06	0.42	0.00	0.00	0.00	0.18	0.00	0.35	4.33
AVERAGE	0.35	1.17	2.04	2.41	2.07	1.56	0.68	0.27	0.07	0.13	0.16	0.28	11.18
MAXIMUM	2.30	5.76	11.82	10.48	10.60	6.43	2.85	2.12	0.80	2.01	1.20	5.20	24.34
DAILY MAXIMUM	1.13	2.85	5.20	2.58	3.58	2.21	1.45	1.00	0.50	1.56	1.01	3.09	
DATE OF OCCURRENCE	10/19/04	11/20/50	12/05/66	01/09/05	02/03/08	03/05/19	04/02/74	05/09/19	06/08/72	07/20/06	08/08/63	09/30/76	

ISABELLA, CALIFORNIA
AVERAGE MONTHLY TEMPERATURES (°F)
1956 to Date

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1956	46.6	43.7	52.5	55.6	65.0	74.0	79.8	76.2	74.7	59.1	53.7	46.8	60.6
1957	40.6	52.5	52.0	58.1	62.8	77.3	81.9	78.4	73.5	59.3	49.8	46.9	61.1
1958	46.3	49.3	47.6	56.1	68.7	72.2	79.7	82.8	74.9	67.3	52.1	50.8	62.3
1959	47.6	46.1	56.5	64.1	62.8	77.2	86.4	79.9	70.7	65.4	55.6	47.3	63.3
1960	41.7	45.8	55.6	57.2	63.6	79.8	83.0	80.0	76.0	61.6	50.9	45.3	61.7
1961	48.0	50.0	50.7	59.5	62.0	79.4	84.5	81.3	71.2	62.3	49.6	44.7	61.9
1962	44.7	46.4	48.0	61.3	60.9	73.4	79.6	79.0	74.4	63.2	53.0	47.8	61.0
1963	44.0	52.7	48.6	50.2	63.5	68.2	76.7	74.3	74.3	62.7	51.0	46.1	59.5
1964	43.3	44.8	47.2	53.6	60.6	70.5	79.4	78.8	70.1	66.8	48.6	47.2	59.2
1965	46.1	47.9	49.6	54.1	60.7	67.1	77.3	76.8	66.5	64.4	51.8	43.6	58.8
1966	41.9	43.8	52.4	60.7	68.0	73.3	77.8	79.5	72.4	62.2	51.2	44.4	60.6
1967	44.4	47.9	50.9	45.4	62.6	69.2	80.9	82.1	72.3	63.9	56.4	39.7	59.6
1968	42.8	52.2	53.0	55.7	63.6	74.4	80.6	74.8	71.9	61.0	50.8	40.7	60.1
1969	44.0	42.4	48.1	54.3	65.9	69.6	78.9	79.4	73.1	57.6	53.3	45.0	59.3
1970	45.6	50.4	49.9	51.0	65.8	72.7	81.6	80.1	69.6	60.1	52.4	41.3	60.0
1971	43.4	44.8	50.6	52.5	58.3	70.7	79.7	79.7	70.9	56.4	48.6	38.8	57.9
1972	42.0	49.1	56.1	56.1	65.6	73.5	80.5	76.1	68.2	56.8	45.7	39.6	59.1
1973	40.3	45.7	42.8	53.0	64.9	73.1	76.9	74.8	68.5	59.1	46.9	44.9	57.6
1974	41.3	44.6	49.4	51.2	62.2	72.5	76.6	74.2	74.2	61.4	50.0	41.0	58.4
1975	43.1	43.6	45.7	45.7	60.7	71.2	75.9	73.6	72.4	57.6	48.7	45.1	56.9
1976	44.2	45.7	47.4	50.6	65.7	71.2	77.5	70.5	68.3	60.3	53.6	44.5	58.3
1977	42.8	48.4	43.8	57.5	55.4	74.0	77.6	77.2	70.0	62.3	51.1	47.3	59.0
1978	44.3	46.1	53.1	50.9	60.4	71.7	76.7	76.8	67.6	65.3	47.2	39.7	58.3
1979	40.7	41.7	48.5	60.6	63.2	71.4	75.9	72.6	74.0	61.8	50.0	48.4	59.1
1980	47.5	49.1	46.5	54.8	57.7	66.8	77.8	75.3	69.2	63.2	52.4	49.0	59.1
1981	48.3	49.5	47.7	57.0	63.6	76.0	79.1	79.7	73.2	56.9	52.9	47.1	60.9
1982	41.8	47.8	47.4	52.5	63.6	68.6	75.6	77.1	68.5	59.2	48.6	43.2	57.8
1983	45.2	47.2	48.5	49.9	61.4	69.2	73.0	75.7	74.0	61.3	50.2	46.1	58.5
1984	47.0	46.6	51.4	52.6	67.3	70.6	80.9	78.2	74.6	55.7	48.3	41.9	59.6
1985	43.2	45.7	46.5	59.3	62.9	75.1	79.9	75.3	65.1	59.0	47.0	44.5	58.6
1986	49.7	49.0	53.5	54.9	63.5	73.7	75.7	78.6	64.1	58.2	51.0	43.0	59.6
1987	38.9	45.9	47.5	59.0	63.2	73.8	72.6	76.5	69.6	64.4	48.6	38.8	58.2
1988	42.3	48.5	50.8	55.1	59.6	70.3	80.2	77.9	72.5	66.1	50.3	43.1	59.7
1989	41.8	43.4	52.7	61.7	63.0	72.1	78.4	74.3	68.4	58.6	51.8	44.2	59.2
1990	42.5	42.6	50.7	57.9	61.7	71.9	80.1	74.9	69.6	62.7	49.4	37.4	58.5
1991	42.7	50.8	43.6	51.2	56.7	71.0	82.1	77.8	77.2	67.6	53.4	45.2	59.9
1992	43.4	49.2	52.4	62.5	71.7	73.3	79.1	81.3	74.5	64.8	51.3	42.0	62.1
1993	42.5	45.5	54.9	56.8	65.3	70.5	76.7	77.0	72.5	62.7	50.9	43.2	59.9
1994	46.5	45.6	54.7	58.1	66.8	79.6	86.8	85.5	76.7	64.8	48.0	46.1	63.3
1995	45.2	56.1	53.8	56.2	61.4	71.4	81.0	81.7	76.9	68.5	60.8	48.5	63.5
1996	47.1	48.8	52.7	58.8	64.7	74.1	82.3	82.0	73.4	61.2	52.7	48.1	62.2
1997	46.4	48.1	57.1	58.3	71.2	72.4	78.8	80.0	74.6	61.4	52.6	44.2	62.1
1998	46.7	44.3	52.7	53.2	56.1	67.8	80.5	82.5	71.2	59.3	50.8	43.9	59.1
1999	47.9	48.1	49.1	52.2	63.8	72.3	78.9	77.5	75.9	68.0	56.4	47.8	61.5
2000	47.4	49.0	51.9	58.2	67.4	77.1	79.0	80.4	73.3	61.7	48.6	49.5	62.0
2001	44.4	44.1	54.8	53.5	73.0	76.9	79.7	81.6	76.0	67.4	54.1	43.5	62.4
2002	43.2	50.4	51.0	57.7	65.4	76.3	83.6	79.4	74.7	62.0	55.8	45.8	62.1
2003	52.0	47.8	53.5	55.5	66.6	76.0	83.8	80.4	77.7	68.9	49.2	46.5	63.2
2004	44.9	45.3	59.1	60.1	66.7	75.7	81.9	80.6	72.8	60.0	49.8	46.7	62.0
2005	46.4	48.8	53.5	54.9	64.5	70.6	84.8	81.4	70.4	62.7	56.4	49.1	62.0
2006	46.9	49.9	45.8	55.0	68.3	77.4	84.5	79.2	75.0	62.1	54.5	46.0	62.1
2007	43.0	48.7	56.6	58.4	68.5	76.6	82.8	82.3	72.3	62.5	57.2	44.2	62.8
2008	44.1	47.9	53.0	57.9	65.5	78.9	83.6	83.3	76.6	64.8	55.6	44.9	63.0
2009	49.1	46.9	51.4	56.9	72.0	72.5	85.0	80.4	78.0	60.8	54.6	44.1	62.6
2010	47.4	48.3	51.6	53.5	60.2	74.7	83.6	79.9	75.4	63.9	51.5	47.9	61.5
2011	46.9	46.2	51.6	56.0	61.2	72.2	80.9	81.5	78.3	66.1	51.2	45.7	61.5
2012	48.9	48.9	53.3	58.9	68.7	75.0	82.6	85.4	79.4	65.6	56.2	46.0	64.1
2013	42.7	47.5	57.5	63.8	68.1	79.8	85.7	80.9	74.7	61.9	55.4	46.2	63.7
2014	51.4	52.3	56.7	61.0	68.5	78.4	84.8	81.2	77.5	67.8	55.7	47.6	65.2
2015	50.7	54.9	59.3	58.6	65.1	80.0	81.0	82.9	77.2	66.4	48.7	43.0	64.0
2016	46.2	52.1	53.4	59.3	65.6	79.0	82.9	81.7	73.5	64.0	55.2	46.8	63.3
2017	44.0	49.6	55.7	58.7	66.3	77.7	84.9	83.2	73.1	65.7	56.7	50.9	63.9
2018	51.6	49.1	51.5	58.8	66.4	76.8	86.3	82.4	76.0	64.2	55.8	46.6	63.8
2019	47.5	37.6	51.2	61.1	60.2	75.6	80.7	81.6	72.7	62.7	54.9	45.7	61.0
2020	46.8	51.3	50.1	57.9	68.2	74.9	82.8	84.0	78.2	68.7	53.3	47.9	63.7
2021	47.5	49.5	50.7	61.6	68.9	80.9	86.4	82.8	76.5	60.8	57.5	45.1	64.0
Normal	45.1	47.6	51.3	56.3	64.3	73.8	80.5	79.2	73.0	62.6	52.1	45.1	60.9
Maximum	52.0	56.1	59.3	64.1	73.0	80.9	86.8	85.5	79.4	68.9	60.8	50.9	65.2
Minimum	38.9	37.6	42.8	45.4	55.4	66.8	72.6	70.5	64.1	55.7	45.7	37.4	56.9

PAN EVAPORATION AT ISABELLA DAM & RESERVOIR
OCTOBER 1953 TO DATE
(In Inches)

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1953-54	5.98	3.42	1.92	1.77	1.93	3.19	6.93	10.60	11.82	14.48	11.94	9.21	83.19
1954-55	6.57	3.03	2.02	1.24	2.52	5.05	5.94	8.93	11.76	13.92	13.67	9.66	84.31
1955-56	6.67	3.24	1.58	1.52	2.60	5.30	5.70	8.87	11.91	12.37	11.84	9.57	81.17
1956-57	4.93	3.99	2.29	1.83	2.46	4.40	6.60	7.53	12.51	13.76	12.90	9.18	82.38
1957-58	4.74	3.27	2.14	2.08	1.93	2.73	5.97	9.46	10.68	12.56	11.87	8.64	76.07
1958-59	6.54	3.03	2.60	2.36	2.13	5.95	7.98	9.73	13.56	15.53	13.76	9.03	92.20
1959-60	6.57	4.05	2.67	1.49	2.10	5.08	6.39	8.46	13.11	13.14	12.99	9.54	85.59
1960-61	5.43	2.34	2.02	2.60	3.05	4.28	7.20	8.99	13.65	15.41	10.39	9.06	84.42
1961-62	6.42	3.18	1.80	2.28	1.65	3.47	7.29	8.49	12.03	13.33	12.56	9.30	81.80
1962-63	5.55	3.00	2.70	2.82	2.74	4.46	4.38	8.31	10.74	14.32	12.03	7.89	78.94
1963-64	4.59	2.40	2.08	2.26	3.11	4.37	6.51	8.93	11.88	13.95	12.68	9.30	82.06
1964-65	6.54	2.58	2.02	1.83	2.97	3.94	4.74	8.90	10.32	11.87	10.48	8.19	74.38
1965-66	6.26	2.25	1.40	2.11	2.41	4.84	7.86	11.10	12.75	14.07	14.04	9.51	88.60
1966-67	6.20	2.55	1.58	1.89	2.52	4.43	3.72	8.22	10.20	12.71	11.63	7.41	73.06
1967-68	6.32	2.94	1.49	1.83	2.35	3.72	6.54	10.23	12.60	12.77	11.04	9.09	80.92
1968-69	5.24	2.58	1.24	1.40	1.57	4.03	5.76	9.30	9.78	12.28	12.56	8.70	74.44
1969-70	5.43	3.27	1.83	1.95	2.97	4.56	6.09	10.85	11.85	13.49	13.36	10.23	85.88
1970-71	6.63	3.51	1.36	1.74	2.77	5.61	6.63	8.49	12.51	14.38	13.30	9.93	86.86
1971-72	6.32	3.39	1.46	2.33	3.47	6.94	7.89	11.28	12.03	16.09	12.93	9.33	93.46
1972-73	5.24	2.43	1.71	2.20	2.55	3.69	7.17	10.20	13.83	15.78	13.14	10.56	88.50
1973-74	6.79	3.69	1.89	1.83	3.42	4.28	7.02	12.06	14.82	15.13	14.32	11.82	97.07
1974-75	5.64	3.24	2.20	2.51	2.52	3.97	5.70	11.53	15.72	16.93	15.53	10.68	96.17
1975-76	6.39	3.87	2.45	3.69	3.61	6.11	8.04	13.86	15.68	15.93	13.27	8.88	101.78
1976-77	6.17	3.72	2.76	2.14	3.75	5.49	10.05	9.36	15.03	18.45	15.41	11.52	103.85
1977-78	7.56	4.47	2.70	1.77	2.55	4.34	6.15	12.21	15.36	16.34	14.82	8.76	97.03
1978-79	7.56	3.24	1.67	2.14	2.18	4.37	7.83	11.87	15.08	15.97	13.36	10.98	96.25
1979-80	6.14	3.42	2.39	2.05	2.63	4.22	7.23	8.46	12.39	14.23	14.14	9.78	87.08
1980-81	6.96	4.05	2.82	2.39	3.11	3.94	7.98	11.56	17.16	17.92	15.69	11.34	104.92
1981-82	5.55	3.66	2.36	2.08	3.06	3.66	6.84	11.19	12.15	15.28	13.36	8.28	87.47
1982-83	5.77	2.70	1.80	2.11	2.10	3.78	5.67	10.91	13.32	14.32	10.11	9.81	82.40
1983-84	5.30	2.43	1.86	2.82	3.22	5.83	7.71	13.61	14.22	13.14	12.06	10.20	92.40
1984-85	5.95	2.73	1.92	2.26	3.00	4.56	8.76	12.43	15.18	16.03	14.76	8.79	96.37
1985-86	6.42	3.09	1.74	2.51	2.60	4.56	8.31	12.28	14.82	15.56	15.25	9.60	96.74
1986-87	5.98	3.81	2.11	1.83	3.30	4.46	8.52	10.45	14.19	15.59	15.31	10.74	96.29
1987-88	6.85	3.18	1.77	2.29	3.67	6.94	7.56	10.45	12.38	15.25	12.74	9.84	92.92
1988-89	6.73	3.24	1.95	2.23	2.74	6.01	9.90	12.43	14.94	18.07	14.88	9.93	103.05
1989-90	6.54	4.38	2.98	2.60	2.97	5.80	8.73	12.25	15.36	17.48	14.85	10.95	104.89
1990-91	8.40	4.02	2.54	2.48	3.84	3.75	7.98	10.35	12.96	14.07	12.65	9.60	92.64
1991-92	7.44	5.61	4.71	4.25	4.37	5.86	9.45	11.56	12.36	14.14	14.20	10.53	104.48
1992-93	6.48	4.32	4.37	3.64	4.34	4.99	7.92	10.79	12.15	14.57	13.18	9.66	96.41
1993-94	6.12	3.83	1.98	2.33	2.51	5.44	7.35	9.99	14.93	15.80	14.96	9.75	94.99
1994-95	6.06	2.95	1.94	1.34	3.09	3.59	5.83	6.64	11.12	14.96	14.20	11.02	82.74
1995-96	7.75	4.31	2.43	2.65	1.96	5.20	9.14	12.78	14.88	15.78	14.03	10.50	101.41
1996-97	6.51	3.36	1.94	1.45	3.23	6.22	8.33	12.51	12.59	13.66	13.33	9.30	92.43
1997-98	6.64	2.61	2.07	1.51	0.91	3.91	5.44	6.21	10.42	13.95	13.83	8.59	76.09
1998-99	6.18	3.09	2.55	2.75	2.88	4.71	5.58	10.74	13.18	14.56	12.93	10.54	89.69
1999-00	7.87	4.21	3.37	2.14	1.83	4.71	8.03	11.79	14.13	15.27	14.59	10.46	98.40
2000-01	6.08	3.27	3.19	2.28	1.85	5.67	6.57	13.31	15.73	14.94	15.09	11.28	99.26
2001-02	7.59	3.34	1.58	1.78	3.62	5.06	7.81	11.42	14.99	15.65	14.73	11.28	98.85
2002-03	7.10	3.95	2.05	2.85	2.64	5.32	5.40	9.38	13.36	15.39	12.48	10.65	90.57
2003-04	7.36	3.02	2.53	2.20	1.74	5.96	8.86	12.15	14.44	16.22	14.21	11.30	99.99
2004-05	5.62	3.16	2.00	1.50	2.38	4.03	6.13	9.30	12.37	15.23	13.53	9.33	84.58
2005-06	6.15	4.33	1.75	2.62	2.78	2.33	4.93	9.77	11.93	14.10	12.23	10.17	83.09
2006-07	5.80	3.62	1.98	2.12	2.26	5.82	7.09	11.26	12.96	15.77	14.40	9.41	92.49
2007-08	7.99	5.30	2.61	2.78	3.13	5.23	7.21	8.49	12.69	13.77	13.67	10.63	93.50
2008-09	7.67	3.86	2.89	3.80	2.89	4.16	6.55	10.23	9.83	15.74	12.83	11.77	92.22
2009-10	6.96	5.06	2.27	2.14	2.57	4.72	5.39	8.23	11.01	11.82	10.84	8.73	79.74
2010-11	4.85	2.87	1.80	2.85	2.97	3.83	6.12	7.48	9.74	10.73	10.55	8.02	71.61
2011-12	5.29	3.06	2.50	2.66	3.46	4.90	6.21	9.79	11.12	11.49	10.53	8.27	79.28
2012-13	5.47	2.98	1.98	2.55	3.21	5.58	7.34	9.39	11.31	11.16	10.43	8.09	79.49
2013-14	5.96	3.81	2.68	3.15	3.20	5.35	7.20	9.74	12.05	11.58	10.65	8.21	83.58
2014-15	6.06	3.46	1.91	2.55	3.42	5.54	6.84	8.52	10.95	10.78	11.01	7.95	78.99
2015-16	5.39	3.01	2.33	2.81	4.36	5.22	7.09	9.56	13.71	15.17	13.33	9.83	91.81
2016-17	6.56	4.19	2.81	2.14	2.85	5.69	7.20	9.73	12.70	14.71	12.41	9.02	90.01
2017-18	7.80	4.27	3.93	3.58	4.30	4.88	7.45	10.03	13.57	14.91	14.01	10.43	99.16
2018-19	6.60	5.05	2.73	2.79	2.61	4.97	7.69	7.71	11.99	13.42	12.69	9.24	87.49
2019-20	7.76	4.05	2.70	3.16	4.57	4.62	6.28	10.57	12.09	14.64	13.32	9.67	93.43
2020-21	7.29	4.16	3.65	3.45	3.80	5.80	8.93	11.75	14.05	14.44	13.50	9.94	100.76
MEAN	6.37	3.49	2.28	2.34	2.85	4.79	7.04	10.22	12.92	14.50	13.14	9.68	89.62

ISABELLA RESERVOIR EVAPORATION April 1954 to Date

Quantities in acre-feet

Year: 2021

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1954				181	1,662	2,554	2,599	1,563	833	436	192	109	10,129
1955	72	117	236	141	526	1,547	1,705	1,375	847	542	258	190	7,556
1956	407	788	1,444	1,797	3,330	5,496	6,084	5,484	4,183	2,056	1,650	897	33,616
1957	628	724	1,258	1,823	2,210	4,588	5,173	4,512	3,068	1,588	1,107	700	27,379
1958	593	494	734	2,043	4,470	6,462	7,720	6,843	4,729	3,521	1,603	1,307	40,519
1959	1,021	811	2,148	2,880	3,711	4,983	4,439	3,503	2,263	1,728	1,087	684	29,258
1960	323	466	1,099	1,505	2,287	3,372	2,720	2,128	1,379	783	341	280	16,683
1961	315	319	419	780	1,158	2,178	2,204	1,200	930	647	329	168	10,647
1962	188	182	446	1,105	2,307	4,128	4,840	4,084	2,880	1,684	916	770	23,530
1963	694	930	1,523	1,577	3,503	5,534	8,202	6,696	4,136	2,289	1,172	962	37,218
1964	916	1,105	1,418	2,162	3,221	4,584	4,842	3,915	2,836	2,057	849	635	28,540
1965	595	857	1,053	1,368	3,251	4,757	5,986	5,397	4,169	3,098	1,103	656	32,290
1966	843	833	1,555	2,624	4,159	5,117	5,246	4,576	2,821	1,819	767	928	31,288
1967	970	1,071	1,874	1,700	3,931	5,960	8,805	8,051	4,574	3,578	1,597	744	42,855
1968	801	930	1,380	2,511	4,243	5,574	5,258	4,048	3,239	1,954	991	476	31,405
1969	494	668	1,511	1,886	4,334	6,486	8,916	9,046	5,911	3,560	1,968	980	45,760
1970	885	1,289	1,935	2,593	4,954	6,051	6,959	6,376	4,597	3,010	1,623	619	40,891
1971	700	990	1,836	2,277	3,181	5,337	6,227	5,233	3,678	2,370	1,304	545	33,678
1972	729	1,000	1,807	2,045	3,096	3,512	4,154	2,703	1,816	1,059	524	355	22,800
1973	434	496	760	1,738	4,009	7,698	9,126	7,109	5,530	3,564	1,981	966	43,411
1974	825	1,347	1,622	3,023	6,119	9,055	9,630	8,904	7,073	3,308	1,864	1,166	53,936
1975	1,174	1,002	1,476	2,162	4,911	8,206	8,936	7,488	4,887	2,957	1,845	1,125	46,169
1976	1,468	1,291	1,952	2,537	4,552	5,226	4,560	3,261	2,108	1,609	984	702	30,250
1977	466	700	968	1,761	1,765	3,289	3,757	2,495	1,795	1,216	726	428	19,366
1978	343	621	1,597	2,698	5,891	9,253	10,969	9,945	6,020	5,115	2,049	996	55,497
1979	1,069	954	1,896	3,701	6,337	9,080	9,535	7,242	5,710	3,306	1,866	1,246	51,942
1980	1,047	1,375	2,229	3,715	4,943	8,289	10,374	10,171	6,637	4,544	2,446	1,565	57,335
1981	1,154	1,317	1,619	3,386	5,371	8,644	8,660	6,966	5,028	2,582	1,747	1,067	47,541
1982	827	1,093	1,333	3,172	6,563	8,180	10,967	9,418	5,732	4,086	1,769	1,053	54,193
1983	1,097	1,057	2,182	3,235	5,905	9,255	10,645	7,630	7,337	3,814	1,656	1,188	55,001
1984	1,624	1,547	2,545	3,594	7,055	8,327	7,914	7,142	6,085	3,642	1,642	1,103	52,220
1985	1,139	1,287	1,749	3,894	6,375	8,622	9,025	7,650	4,441	3,287	1,577	885	49,931
1986	1,119	1,150	2,323	4,740	7,436	10,088	10,933	10,276	6,361	3,866	2,329	1,206	61,827
1987	916	1,428	1,833	3,537	4,596	6,682	7,115	6,454	4,469	2,906	1,361	732	42,029
1988	823	1,178	1,962	2,132	3,148	4,141	4,667	3,318	2,493	1,777	865	500	27,004
1989	502	540	1,339	2,828	4,292	5,572	6,458	4,653	3,027	2,029	1,380	877	33,497
1990	667	649	1,148	1,755	2,705	3,713	3,993	2,872	2,035	1,609	797	480	22,423
1991	409	547	635	1,587	2,674	4,568	5,171	4,026	2,951	2,315	1,789	1,434	28,106
1992	1,137	1,016	1,295	2,218	3,459	4,132	4,542	4,024	2,910	1,862	1,285	1,238	29,118
1993	970	1,081	1,365	2,888	5,185	7,057	9,080	8,063	5,808	3,652	2,291	1,139	48,579
1994	1,170	1,063	2,212	2,945	4,253	6,827	6,833	5,585	3,431	2,221	1,099	704	38,343
1995	462	1,016	1,444	2,614	3,447	6,952	10,701	10,151	7,525	5,177	2,698	1,402	53,589
1996	1,341	914	2,646	5,072	7,928	9,967	10,681	10,151	7,525	5,177	2,698	1,402	53,589
1997	918	1,862	3,183	4,350	7,260	8,057	8,941	8,428	5,790	4,219	1,611	1,196	55,815
1998	768	415	1,817	2,807	3,586	6,714	10,102	10,163	6,050	4,296	1,981	1,472	50,171
1999	1,384	1,252	1,983	2,430	5,092	6,956	7,761	6,480	5,113	3,802	2,045	1,569	45,867
2000	849	649	1,686	2,971	5,060	6,944	7,315	6,327	4,320	2,499	1,363	1,252	41,235
2001	780	551	1,620	2,053	5,165	6,791	5,978	5,476	3,858	2,539	1,115	524	36,450
2002	541	928	1,261	2,146	3,634	5,581	5,597	4,647	3,338	2,081	1,488	813	32,055
2003	1,018	833	1,714	1,932	3,848	6,732	7,922	6,026	4,911	3,316	1,335	1,071	40,658
2004	827	575	2,027	3,283	4,852	6,083	6,526	5,062	3,658	1,791	1,029	633	36,346
2005	486	718	1,341	2,541	5,040	8,194	10,526	8,963	6,010	3,866	2,604	1,016	51,305
2006	1,327	1,210	1,031	2,507	5,429	6,944	8,164	6,851	5,617	3,281	2,075	1,089	45,525
2007	1,016	934	2,313	2,838	4,715	5,546	6,323	5,155	3,269	2,818	1,872	891	37,690
2008	863	877	1,551	2,408	3,394	5,818	6,305	5,530	3,935	2,785	1,404	1,021	35,891
2009	1,220	837	1,228	2,081	4,034	4,383	6,811	4,854	3,991	2,291	1,726	768	34,224
2010	674	764	1,507	1,914	3,400	5,578	6,534	5,585	4,090	2,194	1,309	853	34,402
2011	1,271	1,204	1,497	2,801	3,749	5,197	6,240	6,113	4,488	2,701	1,464	1,144	37,869
2012	1,055	1,200	1,630	2,156	3,886	4,340	4,026	3,132	2,378	1,619	898	579	26,899
2013	641	692	1,168	1,601	2,311	2,803	2,545	2,229	1,716	1,258	815	591	18,370
2014	635	547	885	1,202	1,866	2,553	2,291	2,019	1,571	1,190	674	367	15,800
2015	409	492	764	918	1,133	1,448	1,335	1,382	1,075	710	434	333	10,433
2016	373	561	770	1,342	2,448	4,629	5,349	4,296	3,023	2,037	1,303	861	26,992
2017	873	1,382	2,525	3,050	4,721	6,932	8,105	6,581	4,705	3,933	2,011	1,781	46,599
2018	1,420	1,496	1,698	2,981	4,409	5,943	5,869	4,595	2,785	1,660	1,275	676	34,807
2019	629	665	1,797	3,134	3,757	6,286	7,533	6,920	4,788	3,784	1,924	1,246	42,463
2020	1,254	1,595	1,589	2,249	4,197	5,006	5,575	4,374	3,035	2,379	1,377	1,154	33,784
2021	954	901	1,313	1,987	2,698	3,130	2,908	2,581	1,939	1,238	992	494	21,135
MEAN	829	916	1,548	2,406	4,090	5,877	6,661	5,653	3,975	2,596	1,406	879	36,836

ISABELLA RESERVOIR
HISTORICAL QUANTITIES OF MAXIMUM & MINIMUM STORAGE WITH DATE OF OCCURRENCE & CARRYOVER STORAGE
Units in Acre-Feet

Year	Maximum Annual Storage	Date of Occurrence	Minimum Annual Storage	Date of Occurrence	December 31 Carryover Storage
1954	85,380	June 9, 1954	0	April 16, 1954	8,670
1955	78,567	December 31	4,330	April 21	78,567
1956	283,033	June 30	79,823	January 1	130,313
1957	183,979	June 20	101,074	December 14	101,413
1958	455,162	June 28	100,947	January 23	198,112
1959	207,674	May 21	71,344	December 19	71,608
1960	119,253	May 19	29,119	December 31	29,119
1961	53,096	June 17	17,410	November 19	17,524
1962	173,675	June 29	17,448	January 11	82,849
1963	369,990	June 28	82,190	January 28	170,043
1964	203,628	June 7	94,497	December 18	118,303
1965	288,937	July 9	117,117	March 23	171,193
1966	337,369	December 21	81,941	November 27	313,258
1967	538,698	July 20	199,282	December 14	199,937
1968	261,193	June 6	119,349	December 7	124,480
1969	578,116	July 14	124,283	January 12	225,535
1970	327,771	June 10	156,517	November 24	172,038
1971	240,996	June 22	120,161	November 25	122,040
1972	126,754	June 11	50,030	October 16	55,589
1973	399,448	June 29	55,449	January 7	205,948
1974	475,881	June 23	201,710	March 1	223,930
1975	348,695	June 17	169,893	December 17	170,190
1976	171,617	January 26	67,668	December 29	67,701
1977	82,347	June 16	34,504	December 16	43,820
1978	491,451	July 16	44,060	January 1	244,904
1979	442,035	June 11	208,632	December 30	208,768
1980	585,381	July 3	208,224	January 7	229,813
1981	312,456	June 7	166,907	December 27	168,210
1982	560,083	June 29	168,984	January 1	261,558
1983	630,825	July 6	260,010	January 9	311,944
1984	407,745	June 7	244,755	December 15	244,979
1985	388,621	June 13	189,823	November 23	195,516
1986	562,134	June 16	195,579	January 1	244,085
1987	276,266	June 7	142,661	December 1	143,410
1988	158,189	June 6	72,638	December 9	73,545
1989	184,801	June 1	71,111	February 18	85,978
1990	97,420	June 12	45,895	December 18	46,014
1991	175,558	June 19	45,300	February 27	89,654
1992	153,942	June 5	82,080	December 28	82,262
1993	416,982	June 29	82,189	January 1	242,525
1994	262,332	June 6	115,492	December 24	115,585
1995	551,921	July 19	115,492	January 3	246,474
1996	546,849	June 11	244,979	December 4	252,811
1997	491,994	June 6	242,450	December 30	242,525
1998	562,474	July 24	242,005	January 31	244,904
1999	334,267	June 8	169,341	December 31	169,341
2000	293,234	June 8	129,469	December 29	129,519
2001	244,904	June 3	98,787	November 22	105,906
2002	184,173	June 15	82,043	November 6	138,222
2003	312,710	June 19	138,326	January 1	148,505
2004	227,948	May 30	92,762	December 26	94,083
2005	538,557	June 17	94,043	January 6	246,549
2006	423,529	May 22	225,807	December 8	226,732
2007	243,340	May 24	104,818	December 6	107,442
2008	258,392	June 15	107,442	January 1	116,888
2009	250,461	June 3	96,149	October 13	110,560
2010	332,148	July 3	155,462	November 19	234,733
2011	366,327	July 8	167,025	November 5	167,203
2012	220,506	May 22	82,556	December 18	83,883
2013	106,959	May 22	52,909	November 2	59,601
2014	80,882	June 10	44,804	December 1	44,851
2015	47,789	February 23	30,158	October 2	33,401
2016	162,161	June 28	32,298	January 17	93,801
2017	360,421	June 24	93,480	January 3	165,315
2018	261,093	May 15	65,885	November 27	66,323
2019	349,477	June 27	66,574	January 1	168,329
2020	227,876	May 31	96,476	December 13	96,599
2021	96,599	January 3	49,487	December 12	52,644

KERN RIVER OPERATIONS



KERN RIVER IN REVIEW 2021

Introduction

The 2020-2021 winter season started and ended the same way: dry and disappointing. La Niña conditions were present all winter leading to rare and weak storms in the watershed. An early November storm was promising but above normal temperatures for the remaining month dissipated the little snow that accumulated. By the time the next storm made landfall in December, the snow sensors at the highest peaks were recording zero water content. January was dry until a strong Pacific storm in the evening of January 27. A Heavy plume of snow fell across the watershed increasing snow water content by an average of 3 inches across the basin. Unfortunately for the Kern, the January 27 storm would be the last significant storm for the winter season. Cold dry conditions for February were persistent throughout the month. March produced minimal snow across the basin. By April, it was apparent that the dismal snowpack was going to result in one of the driest years on record. The State Department of Water Resources (DWR) published its April 1 Bulletin 120 Report, forecasting 24% of normal April-July runoff. Above normal temperatures coupled with burnt-parched areas in the watershed led the actual April-July runoff to steeply decline. In the end, 2021 was recorded as the 2nd driest year in 128 years of record keeping. The final April-July runoff as measured at First Point totaled **70,437** acre-feet; **15%** of the long-term average.



KERN RIVER at BEARDSLEY RIVER WEIR

Precipitation

Monthly precipitation amounts in inches as recorded at selected Kern County stations during the 2020-2021 Water Year were as follows:

	Bakersfield Meadows Field (Elev. 494ft.)			Isabella Dam (Elev. 2260 ft.)			Glennville (Elev. 3140 ft.)		
	2020-2021	Average	% of Average	2020-2021	Average	% of Average	2020-2021	Average	% of Average
Oct	0.00	0.30	0%	0.00	0.35	0%	0.00	0.91	0%
Nov	0.39	0.64	61%	1.47	1.17	126%	0.56	2.05	27%
Dec	0.35	1.02	34%	0.75	2.04	37%	2.15	3.51	61%
Jan	0.98	1.16	84%	1.10	2.41	46%	0.92	3.60	26%
Feb	0.09	1.24	7%	0.06	2.07	3%	0.34	3.75	9%
Mar	0.77	1.21	64%	0.42	1.56	27%	NA	3.43	
Apr	0.19	0.52	37%	0.00	0.68	0%	NA	1.74	
May	0.00	0.25	0%	0.00	0.27	0%	NA	0.78	
Jun	0.00	0.08	0%	0.00	0.07	0%	NA	0.15	
Jul	0.00	0.05	0%	0.18	0.13	138%	NA	0.08	
Aug	0.00	0.00	0%	0.00	0.16	0%	NA	0.12	
Sep	0.00	0.05	0%	0.35	0.28	125%	NA	0.26	
TOTAL	2.77	6.52	42%	4.33	11.19	39%	3.97	20.38	19%

Glennville rain gauge was decommissioned in March of 2021.

Temperature

Isabella, California, 2021 mean air temperatures (°F) with comparative averages were as follows:

	2021 Actuals	Normal	Variance from Normal		2021 Actual	Normal	Variance from Normal
Jan	47.5	45.1	+2.4	Jul	86.4	80.5	+5.9
Feb	49.5	47.6	+1.9	Aug	82.8	79.2	+3.6
Mar	50.7	51.3	-0.60	Sep	76.5	73.0	+3.5
Apr	61.6	56.3	+5.3	Oct	60.8	62.6	-1.8
May	68.9	64.3	+4.6	Nov	57.5	52.1	+5.4
Jun	80.9	73.8	+7.1	Dec	45.1	45.1	0.0

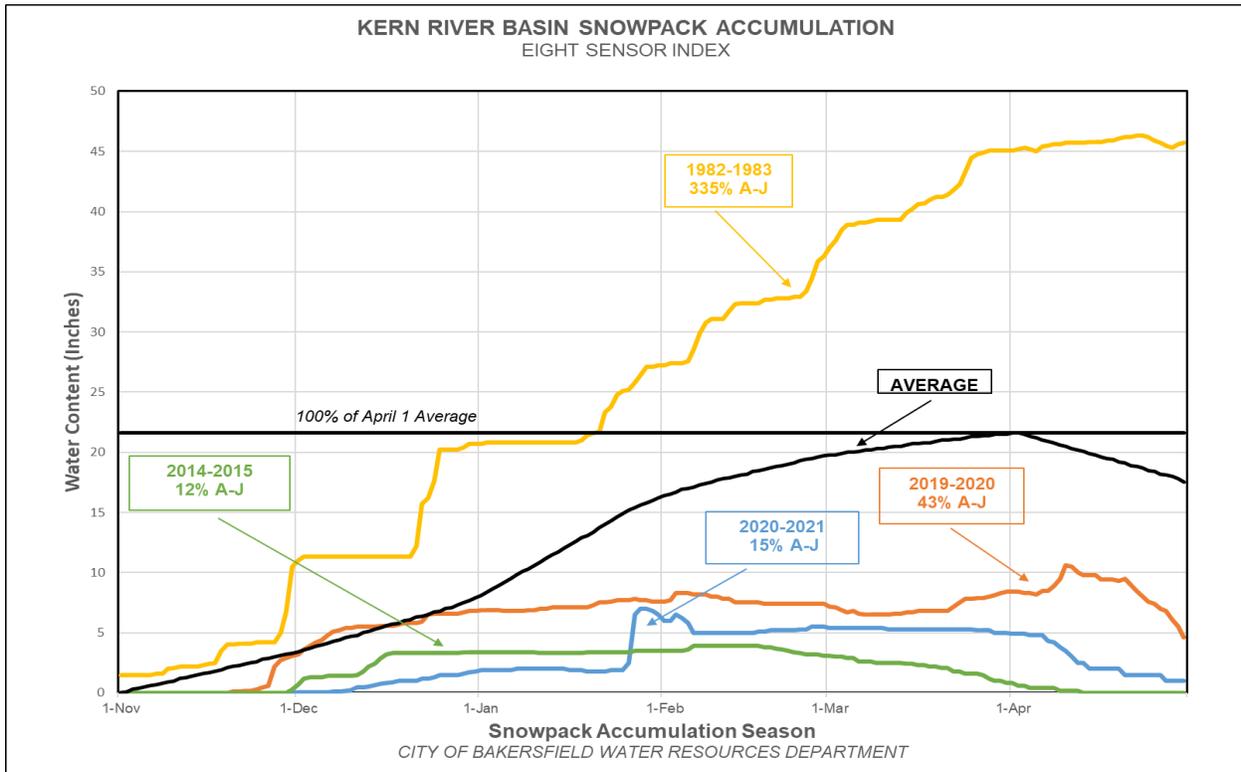
The mean annual temperature as recorded at Isabella Dam for 2021 was 64.0° Fahrenheit, 3.1° above the long-term average (1956 to 2021). The maximum high temperature for 2021 occurred on June 27th at 108 °F. The minimum temperature occurred on December 29th at 28°F.

Snowpack

Listed below are approximate readings, in inches of water content reported by DWR, for the eight remote snow sensor sites located within the Kern River Basin on April 1, 2021, with April 1 historical average water contents of same shown for comparison:

	Upper						Casa	
	Tyndall	Crabtree	Chagoopa		Wet	Tunnel	Vieja	Beach
	Creek	Meadow	Plateau	Pascoe	Meadow	Guard	Meadow	Meadows
April 1, 2021	9.9	5.8	8.7	11.2	8.0	0.0	6.6	0.0
April 1 Average	27.7	19.8	21.8	24.9	30.3	15.6	20.7	11.0

The 2020-2021 Kern River Basin winter snowpack accumulation is depicted on the chart below.



Forecast

The State of California's Department of Water Resources issued the following B-120 forecasts for Kern River runoff into Isabella Reservoir for the 2021 April-July snowmelt period:

February 1, 2021:	46% of average (210,000 acft)
March 1, 2021:	29% of average (135,000 acft)
April 1, 2021:	24% of average (110,000 acft)
May 1, 2021:	16% of average (75,000 acft)

Runoff

Actual 2021 April-July Kern River inflow to Isabella Lake was 77,053 acre-feet (17% of average). Peak inflow to Isabella Reservoir occurred on December 24, 2021, with 1,326 cubic feet per second while peak instantaneous flow at Kernville Measuring Station was reached on December 24, 2021, at the rate of 1,933 cubic feet per second (cfs). Calendar year runoff at First Point of Measurement, near Bakersfield for 2021 totaled 163,827 acre-feet, 23% of the long-term average (716,673 acre-feet) and 31% of the historical median (523,817 acre-feet).



Kern River Below KR1

Storage

Entering 2021, Isabella Reservoir storage held 96,599 acre-feet. Peak storage for 2021 occurred on January 3, 2021, at 96,599 Acre-feet. The reservoir saw minimal gain throughout the year. Spring and summer runoff was not enough to supersede the winter storage levels from January. Isabella Reservoir ended the year with 52,644 acre-feet of storage, equating to 9% of lake capacity and 36% of the average December 31st carryover storage figure, 146,152.



Isabella Dam

Operations

Kern River regulated flow as computed at First Point of Measurement during the 2021 Calendar Year amounted to 186,647 acre-feet, 27% of the 1954-2021 average regulated flow of 684,317 acre-feet. Maximum regulated flow for the year occurred on June 8, 2021, with a mean daily discharge of 673 cfs. Zero Friant-Kern or State Water Project supplies were diverted in 2021.

Total water yield of the Kern River drainage basin and its surface storage reservoir in acre-feet during 2021 is summarized as follows:

+ Kern River Computed Natural Flow.....	163,827
+ Isabella Reservoir Storage.....	43,955
- Isabella Reservoir Evaporation.....	21,135
- Kern River Diversions Above First Point	11,361
= Kern River Flow at First Point	175,286

Delivery of **Kern River** water to canal and conveyance facilities located below First Point of Measurement for the 2021 Calendar Year was as follows:

<u>DELIVERY POINT</u>	<u>FLOW IN ACRE-FEET</u>
Beardsley Canal	35,734
Calloway Canal	17,222
Kern Island Canal	67,641
Eastside Canal	16,561
Stine Canal	1,807
Panorama Preserve	15
Truxtun Lakes	522
Arvin-Edison Turnout	0
Buena Vista Canal	6,441
Park at River Walk	44
Rosedale Channel	0
Pioneer Canal	0
Berrenda Mesa Pipeline	81
Pioneer Property	0
Aera Park	35
Kern Water Bank via 2800 Acres	0
2800 Acres Recharge Facility	0
Kern Water Bank Canal	0
First Point Passing Second Point	0
2 nd Point of Measurement	10,431
Carrier Canal Seepage Loss	4,876
River Seepage Loss	13,876



Carrier Canal near Coffee Rd.

Kern River at First Point of Measurement "Computed Natural"

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	188	248	264	290	461	243	126	161	90	108	166	144
2	221	271	244	326	532	286	117	155	92	101	168	148
3	210	283	260	380	591	357	110	148	89	92	174	158
4	242	283	243	386	586	371	105	132	88	91	178	158
5	225	284	259	381	619	340	104	120	81	104	166	140
6	237	285	235	341	661	279	115	116	80	111	161	149
7	198	298	240	370	649	258	110	116	81	97	162	154
8	201	281	242	377	618	241	112	104	108	91	175	179
9	194	295	267	427	601	246	92	84	99	95	181	165
10	212	275	274	425	574	241	105	74	81	100	186	163
11	201	309	277	437	565	262	111	83	52	105	183	162
12	222	304	253	416	554	251	133	83	70	111	181	176
13	233	300	247	419	535	240	130	92	84	136	179	235
14	235	288	244	431	523	217	121	92	93	144	182	251
15	232	269	266	412	499	198	112	100	95	145	188	255
16	225	298	272	410	468	179	110	89	85	133	190	213
17	233	296	267	365	445	205	137	77	79	121	187	211
18	211	294	254	370	393	214	125	75	51	121	177	208
19	215	279	271	334	367	197	144	73	73	123	172	204
20	190	259	322	385	348	164	124	78	79	127	177	199
21	211	271	331	379	334	138	124	81	92	113	180	199
22	212	257	273	419	329	148	99	89	82	120	175	292
23	221	283	229	376	321	128	82	93	73	120	167	661
24	217	283	209	369	318	138	88	81	70	135	168	806
25	233	249	270	343	348	128	113	76	67	185	164	792
26	275	243	284	345	331	120	131	76	73	204	168	499
27	297	256	306	366	340	108	134	91	78	222	169	415
28	284	280	287	365	322	126	112	93	84	200	166	420
29	274	-	313	362	325	150	121	86	88	208	160	421
30	279	-	343	353	330	201	133	71	117	211	174	436
31	259	-	371	-	247	-	165	68	-	203	-	314
TOTAL	7,087	7,821	8,417	11,359	14,134	6,374	3,645	2,957	2,474	4,177	5,224	8,927
MAXIMUM DAY	297	309	371	437	661	371	165	161	117	222	190	806
MINIMUM DAY	188	243	209	290	247	108	82	68	51	91	160	140
MEAN	229	279	272	379	456	212	118	95	82	135	174	288
TOTAL AC. FT.	14,057	15,513	16,695	22,530	28,034	12,643	7,230	5,865	4,907	8,285	10,362	17,706
WHOLE YEAR:-	TOTAL,	82,596	MAX.,	806	MIN.,	51	MEAN,	226	TOTAL AC.FT.,	163,827		

Kern River North Fork Flow at Kernville
(As reported by U.S. Army Corps of Engineers) Year: 2021

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	177	246	235	314	455	332	128	218	71	86	158	124
2	171	262	237	338	649	348	122	196	72	85	147	124
3	177	266	238	366	585	383	114	173	72	85	154	122
4	180	254	224	395	559	403	110	141	73	85	169	123
5	183	238	203	421	620	368	107	117	73	86	142	122
6	179	237	211	432	699	352	109	111	73	87	141	121
7	175	243	218	420	753	332	106	106	72	90	133	123
8	173	244	222	424	715	313	105	102	71	93	135	125
9	169	253	217	433	620	269	106	97	72	96	135	144
10	170	249	223	441	581	219	110	94	74	99	160	152
11	172	253	221	445	563	191	110	91	76	99	154	136
12	174	282	198	464	570	172	121	90	81	101	156	134
13	174	321	209	466	569	157	147	89	82	104	156	145
14	176	292	212	472	573	152	142	92	81	100	154	255
15	177	260	221	426	578	151	131	93	79	94	159	188
16	178	278	217	390	527	146	120	91	79	92	153	169
17	179	282	208	372	490	136	114	88	80	91	145	198
18	183	259	216	371	447	134	110	86	82	92	142	189
19	143	251	233	361	421	142	108	87	70	96	139	202
20	175	253	346	381	405	141	129	86	80	97	138	199
21	172	182	336	410	378	135	152	86	81	98	135	195
22	176	226	289	415	358	131	150	84	78	98	131	192
23	185	225	275	400	352	126	129	83	80	98	126	446
24	172	253	266	405	338	120	118	77	81	99	129	1,240
25	172	258	250	409	340	115	110	73	81	115	125	585
26	181	253	251	411	342	108	111	74	82	241	123	434
27	187	250	244	382	328	99	115	74	84	168	126	386
28	169	244	245	355	340	95	141	74	85	159	129	347
29	256	-	259	332	355	105	152	73	86	164	129	346
30	222	-	334	359	365	122	161	78	87	166	126	350
31	215	-	308	-	339	-	201	73	-	164	-	360
TOTAL	5,592	7,114	7,566	12,010	15,214	5,997	3,889	3,097	2,338	3,428	4,249	7,976
MAXIMUM DAY	256	321	346	472	753	403	201	218	87	241	169	1,240
MINIMUM DAY	143	182	198	314	328	95	105	73	70	85	123	121
MEAN	180	254	244	400	491	200	125	100	78	111	142	257
TOTAL AC. FT.	11,092	14,110	15,007	23,821	30,177	11,895	7,714	6,143	4,637	6,799	8,428	15,820
WHOLE YEAR:-	TOTAL,	78,470	MAX.,	1,240	MIN.,	70	MEAN,	215	TOTAL AC.FT.,	155,643		

Kern River at First Point of Measurement "Regulated"

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	199	217	273	303	388	471	353	223	138	107	173	152
2	207	261	286	330	383	549	357	234	131	104	174	154
3	211	272	277	335	390	625	376	217	100	113	180	155
4	227	276	282	346	390	613	391	213	86	139	183	155
5	223	326	259	372	374	592	383	214	87	144	184	157
6	222	329	263	363	358	587	368	206	91	113	183	161
7	222	336	257	391	375	638	333	178	90	109	187	169
8	226	326	246	413	355	673	294	147	91	98	175	167
9	213	273	238	404	350	647	340	133	85	102	161	157
10	219	279	235	395	357	651	319	161	86	104	151	155
11	263	285	249	396	355	631	316	153	110	99	156	179
12	267	281	252	420	359	581	281	153	145	117	160	199
13	239	267	250	433	358	521	246	153	148	136	167	174
14	232	274	251	446	352	451	234	144	131	124	173	183
15	219	285	247	436	363	431	237	139	132	120	176	187
16	209	289	239	404	361	398	244	110	113	119	181	210
17	206	297	246	384	349	370	249	107	98	117	186	209
18	202	296	237	415	356	352	249	120	99	110	188	204
19	211	295	234	434	376	351	246	118	88	105	186	189
20	217	292	238	405	360	353	259	101	89	100	181	194
21	211	296	274	412	346	369	252	115	83	106	178	200
22	209	289	269	396	346	420	244	122	84	114	185	205
23	213	271	304	390	341	438	273	122	88	114	183	209
24	230	272	299	381	327	445	312	112	99	122	178	237
25	226	252	309	364	322	446	372	114	118	129	161	357
26	219	251	321	372	358	430	359	119	126	137	152	431
27	234	271	297	372	351	446	267	107	124	142	152	434
28	222	282	299	376	344	484	257	98	126	200	148	429
29	223	-	294	384	345	473	257	95	128	222	147	453
30	215	-	290	388	359	459	267	123	132	211	148	423
31	218	-	289	-	399	-	238	133	-	194	-	403
TOTAL	6,854	7,940	8,304	11,660	11,147	14,895	9,173	4,484	3,246	3,971	5,137	7,291
MAX INSTANT.	286	347	348	594	492	723	528	234	157	258	190	522
MIN INSTANT.	143	217	220	263	250	285	173	95	80	98	135	124
MEAN	221	284	268	389	360	497	296	145	108	128	171	235
TOTAL AC. FT.	13,594	15,750	16,470	23,127	22,109	29,544	18,195	8,894	6,438	7,876	10,189	14,461
WHOLE YEAR:-	TOTAL,	94,102	MAX.,	723	MIN.,	143	MEAN,	258	TOTAL AC.FT.,	186,647		

Total Kern River Flow Diverted Above First Point of Measurement

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14	14	17	16	15	18	18	17	18	17	13	19
2	13	14	13	15	16	20	20	16	20	16	15	18
3	13	14	13	15	15	19	17	17	18	17	16	17
4	12	15	14	15	16	17	18	18	17	15	13	20
5	13	15	14	16	17	17	19	17	17	18	15	18
6	14	13	14	15	15	17	16	18	18	15	14	17
7	14	13	15	12	15	17	18	17	15	17	16	20
8	13	15	15	16	16	16	18	15	18	15	14	17
9	14	13	14	17	14	16	18	18	16	14	17	6
10	16	15	16	17	18	17	16	18	18	19	16	3
11	13	14	14	15	16	15	17	17	17	14	16	3
12	13	14	16	16	25	18	17	17	17	16	17	1
13	13	14	13	13	22	15	18	18	17	16	18	2
14	14	15	15	14	17	16	18	17	17	14	20	2
15	15	14	14	17	16	19	17	17	16	17	19	4
16	13	13	15	15	16	18	17	17	18	17	17	13
17	14	15	11	15	17	16	18	16	16	14	19	16
18	13	13	14	17	16	17	17	18	18	16	20	15
19	13	14	13	15	16	16	17	18	14	17	18	13
20	16	15	16	16	18	17	17	17	19	17	20	14
21	14	13	15	18	17	17	17	18	15	17	17	14
22	13	13	15	15	16	18	18	18	18	18	19	15
23	14	16	15	16	17	16	16	16	15	16	19	17
24	13	15	14	16	16	17	17	17	17	16	19	15
25	15	15	14	15	18	17	16	17	15	11	19	13
26	13	15	17	14	17	19	17	18	16	15	20	16
27	14	14	14	16	17	19	16	17	15	16	19	15
28	14	14	14	15	17	18	18	17	17	17	18	6
29	13	-	14	15	16	18	16	16	15	15	21	3
30	15	-	15	18	18	21	17	17	19	17	18	3
31	13	-	17	-	18	-	17	17	-	19	-	1
TOTAL	424	397	450	465	523	521	536	531	506	498	522	356
MAXIMUM DAY	16	16	17	18	25	21	20	18	20	19	21	20
MINIMUM DAY	12	13	11	12	14	15	16	15	14	11	13	1
MEAN	14	14	15	16	17	17	17	17	17	16	17	11
TOTAL AC. FT.	840	788	892	922	1,037	1,033	1,064	1,053	1,004	987	1,035	706
WHOLE YEAR:-	TOTAL,	5,729	MAX.,	25	MIN.,	1	MEAN,	16	TOTAL AC.FT.,	11,361		

Kern River Channel at Second Point of Measurement (Total Flow)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	0	MAX.,	0	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0		

Kern River Conduit at Alternate Second Point (Total Flow)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	7	40	88	20	60	10	8	9	9	9
2	0	0	12	39	88	39	57	10	9	9	9	9
3	0	0	11	38	90	38	67	9	9	9	9	9
4	0	0	12	41	88	50	70	9	9	9	9	9
5	0	0	11	44	69	58	67	9	9	9	9	9
6	0	0	11	35	54	58	57	9	9	4	5	9
7	0	0	11	57	58	59	63	9	9	7	5	9
8	0	0	11	85	58	58	59	9	10	9	9	9
9	0	0	11	88	59	57	39	9	9	9	9	9
10	0	0	11	91	60	57	10	9	9	10	9	9
11	0	0	11	89	59	53	10	9	9	9	9	9
12	0	0	11	88	58	53	10	9	9	9	9	9
13	0	0	11	89	60	59	10	9	9	9	9	9
14	0	0	11	88	56	57	10	9	9	9	8	9
15	0	0	11	88	58	57	10	9	9	9	8	9
16	0	0	11	88	61	55	10	9	9	9	9	9
17	0	0	11	88	59	54	10	9	9	9	9	9
18	0	0	11	90	60	58	10	9	9	9	9	9
19	0	0	11	88	41	60	9	9	9	9	9	9
20	0	0	11	87	29	58	9	9	9	9	9	9
21	0	0	11	83	29	57	9	9	9	9	9	9
22	0	0	11	88	30	59	9	9	9	9	9	9
23	0	0	10	92	30	59	9	9	9	10	9	9
24	0	0	10	92	20	58	9	9	9	9	9	9
25	0	0	21	91	10	59	10	9	9	9	9	9
26	0	0	44	93	10	60	10	9	9	9	9	9
27	0	0	47	92	10	59	10	9	9	9	9	9
28	0	0	47	90	10	58	10	9	9	9	9	9
29	0	-	43	90	10	59	10	9	9	9	9	9
30	0	-	42	90	10	59	10	9	9	9	9	9
31	0	-	40	-	10	-	10	6	-	9	-	9
TOTAL	0	0	544	2,342	1,432	1,645	753	278	270	274	260	279
MAXIMUM DAY	0	0	47	93	90	60	70	10	10	10	9	9
MINIMUM DAY	0	0	7	35	10	20	9	6	8	4	5	9
MEAN	0	0	18	78	46	55	24	9	9	9	9	9
TOTAL AC. FT.	0	0	1,079	4,645	2,841	3,263	1,494	551	536	544	515	553
WHOLE YEAR:-	TOTAL,	8,077	MAX.,	93	MIN.,	0	MEAN,	22	TOTAL AC.FT.,	16,021		

Friant-Kern Inflow to Kern River Channel (Total Flow)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	0	MAX.,	0	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0		

Quantities in acre-feet

CITY OF BAKERSFIELD
SUMMARY OF KERN RIVER ENTITLEMENTS

Year: 2021

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista W.S.D. Entitlement	0	0	119	1,496	3,084	107	0	0	0	0	0	0	4,806
Hacienda W.D. Entitlement	0	0	0	0	0	0	0						0
K.C.L. Entitlement @ 2nd Point	0	0	0	0	42	6	0	0	0	0	0	0	48
Kern Island (1-st)	13,381	14,902	15,650	17,176	18,058	11,720	6,554	5,189	4,252	7,609	9,707	13,132	137,330
Eastside													
Kern River Conduit			250	3,203	6,174	155	0	0					9,782
Castro	0	0	0	0	0	0	0	0	0	0	0	80	80
KCC & W Co.	0	0	0	0	0	0	0	0	0	0	0	224	224
South Fork	0	0	0	0	0	0	0	0	0	0	0	157	157
Buena Vista (1-st)	0	0	0	0	0	0	0	0	0	0	0	1,194	1,194
James (1-st)	0	0	0	0	0	0	0	0	0	0	0	948	948
Anderson (1-st)	0	0	0	0	0	0	0	0	0	0	0	117	117
Stine	0	0	0	0	0	0	0	0	0	0	0	797	797
Meacham	0	0	0	0	0	0	0	0	0	0	0	115	115
Farmers	0	0	0	0	0	0	0	0	0	0	0	266	266
Plunket	0	0	0	0	0	0	0	0	0	0	0	0	0
Joyce	0	0	0	0	0	0	0	0	0	0	0	0	0
Johnson	0	0	0	0	0	0	0	0	0	0	0	0	0
Pioneer (1-st)	0	0	0	0	0	0	0	0	0	0	0	0	0
Beardsley (1-st)	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo (NKWSD)													
Anderson (2-nd)	0	0	0	0	0	0	0	0	0	0	0	0	0
James & Dixon	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilson	0	0	0	0	0	0	0	0	0	0	0	0	0
KCC & W Co.	0	0	0	0	0	0	0	0	0	0	0	0	0
McCaffrey	0	0	0	0	0	0	0	0	0	0	0	0	0
McCord: Lerdo 30%	0	0	0	0	0	0	0	0	0	0	0	0	0
Beardsley 70%	0	0	0	0	0	0	0	0	0	0	0	0	0
Calloway: Central 20%	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD 80%	0	0	0	0	0	0	0	0	0	0	0	0	0
Railroad: KCC & W Co. 20%	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD 80%	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista (2-nd)	0	0	0	0	0	0	0	0	0	0	0	0	0
James (2-nd)	0	0	0	0	0	0	0	0	0	0	0	0	0
Pioneer (2-nd)	0	0	0	0	0	0	0	0	0	0	0	0	0
Beardsley (3-rd)	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island (2-nd)	0	0	0	0	0	0	0	0	0	0	0	0	0
Computed Loss	676	611	676	655	676	655	676	676	655	676	655	676	7,963
Total 1st Point Group Entitlement	14,057	15,513	16,576	21,034	24,950	12,536	7,230	5,865	4,907	8,285	10,362	17,706	159,021

**UTILIZATION OF STORAGE - ISABELLA RESERVOIR
KERN RIVER FIRST POINT GROUP**

Year: 2021

Quantities in acre-feet

End of Month Unit Storage

STORAGE UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern Island	1,802	1,179	3,498	5,725	6,677	3,500	2,371	1,955	1,988	2,460	2,044	1,897	35,096
Buena Vista	1,151	1,135	1,111	1,076	1,030	87	0	0	0	299	283	276	6,448
Stine	1,500	1,480	1,452	1,404	1,303	0	0	0	0	0	0	12	7,151
Farmers	1,428	1,408	1,379	1,333	1,278	0	0	0	0	0	0	205	7,031
KERN DELTA WD TOTAL	5,881	5,202	7,440	9,538	10,288	3,587	2,371	1,955	1,988	2,759	2,327	2,390	55,726
City of Bakersfield	6,430	6,521	4,536	4,395	8,402	6,940	5,851	4,921	4,138	3,341	4,388	4,391	64,254
Kern River Canal & Irr. Co.	422	0	0	0	0	0	0	0	0	0	0	782	1,204
South Fork	600	1,183	1,183	1,183	1,183	1,183	1,183	1,183	1,183	1,433	600	600	12,697
Improvement District No. 4	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF BAKERSFIELD TOTAL	7,452	7,704	5,719	5,578	9,585	8,123	7,034	6,104	5,321	4,774	4,988	5,773	78,155
NORTH KERN WSD	27,423	27,027	26,452	25,141	23,699	17,269	10,254	7,639	5,698	5,194	4,938	7,035	187,769
TOTAL 1ST POINT STORAGE	40,756	39,933	39,611	40,257	43,572	28,979	19,659	15,698	13,007	12,727	12,253	15,198	321,650

KERN DELTA WATER DISTRICT



KERN DELTA WATER DISTRICT
Monthly Summary of Kern River Entitlements, Diversions,
Deliveries and Storage ... All Canals

Quantities in acre-feet

Year: 2021

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<i>Kern Delta Preserved Entitlement (all canals)</i>	8,840							610	851	8,369	3,633	2,460	
Kern River Entitlement +	13,381	14,902	15,650	17,176	18,058	11,720	6,554	5,189	4,252	7,609	9,707	15,389	139,587
Release Gain +	744	0	0	0	0	0	0	0	0	460	236	410	1,850
Release Loss -	4,888	0	0	0	0	0	0	0	0	620	6,332	13,339	25,179
Entitlement + or - Releases =	9,237	14,902	15,650	17,176	18,058	11,720	6,554	5,189	4,252	7,449	3,611	2,460	116,258
Into Isabella Storage -	1,391	232	2,576	2,378	1,408	193	212	400	555	1,062	58	219	10,684
From Isabella Storage +	95	835	220	0	222	6,504	1,194	603	335	143	348	96	10,595
Storage Transfer to NKWSD -	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage Transfer to COB -	666	1,694	0	0	0	0	0	0	0	666	0	0	3,026
River and Carrier Canal Loss -	470	728	0	0	60	0	0	0	0	558	152	296	2,264
For City of Bakersfield -	0	0	0	0	430	1,176	1,203	1,231	1,176	427	0	0	5,643
Via/For Rosedale RBWSD -	0	0	0	0	0	0	0	0	0	0	0	0	0
Via/For Cawelo Water District -	0	0	0	0	0	0	0	0	0	0	0	0	0
Via/For Improvement District No. 4 -	0	0	3,092	3,901	4,701	5,010	0	0	0	0	0	0	16,704
Via Pioneer Project -	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Heads of Canals =	6,805	13,083	10,202	10,897	11,681	11,845	6,333	4,161	2,856	4,879	3,749	2,041	88,532
Improvement District No. 4 Wells +	0	0	2,253	3,354	3,917	4,897	4,546	3,100	1,958	468	0	0	24,493
From Hacienda WD (LR) +	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply =	6,805	13,083	12,455	14,251	15,598	16,742	10,879	7,261	4,814	5,347	3,749	2,041	113,025
Utility Deliveries	3,600	7,438	8,827	9,670	10,795	11,132	6,103	3,507	2,627	1,967	1,351	1,074	68,091
Contract Deliveries	145	346	385	428	380	316	269	226	125	251	82	75	3,028
Total Irrigation Deliveries -	3,745	7,784	9,212	10,098	11,175	11,448	6,372	3,733	2,752	2,218	1,433	1,149	71,119
Total District Spreading Deliveries -	207	438	0	6	0	0	0	0	0	109	89	0	849
Canal Conveyance Losses =	2,853	4,861	3,243	4,147	4,423	5,294	4,507	3,528	2,062	3,020	2,227	892	41,057
Delivery Percentage	58%	63%	74%	71%	72%	68%	59%	51%	57%	44%	41%	56%	64%
Reservoir Evaporation Loss	73	76	118	280	436	390	234	213	187	148	142	60	2,357
End of Month Reservoir Storage	5,881	5,202	7,440	9,538	10,288	3,587	2,371	1,955	1,988	2,759	2,327	2,390	

Total Flow via the Kern Island Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	62	110	154	97	149	162	82	90	75	48	54	78
2	62	106	149	126	137	213	84	103	64	60	57	91
3	73	115	147	127	142	236	92	108	47	69	64	104
4	81	123	144	131	133	188	101	113	41	71	64	99
5	83	143	131	158	132	147	99	117	41	75	66	87
6	82	133	129	162	135	120	97	116	43	79	60	84
7	84	140	132	160	137	131	81	92	45	74	57	92
8	87	173	117	147	139	147	55	60	45	65	60	97
9	98	149	107	148	137	140	50	55	42	70	69	83
10	102	159	102	129	127	136	51	54	41	67	67	58
11	144	163	104	120	129	132	71	45	46	66	65	46
12	144	166	123	122	127	125	76	44	71	83	65	22
13	129	160	125	133	129	112	73	44	72	102	59	0
14	116	159	128	140	133	118	80	35	55	91	59	0
15	112	171	124	146	143	119	93	32	58	85	63	0
16	99	177	124	142	137	99	98	44	51	84	61	0
17	103	178	122	125	132	81	94	55	52	85	57	0
18	105	170	108	128	133	57	95	66	52	76	58	0
19	96	173	113	141	168	57	96	63	44	70	57	0
20	91	177	126	143	158	62	104	46	41	70	56	0
21	93	173	151	145	142	68	98	47	40	78	57	0
22	87	172	152	143	151	85	91	45	39	78	60	0
23	73	150	169	145	153	92	70	49	48	79	62	0
24	63	158	160	146	144	106	61	45	56	88	60	0
25	67	177	140	150	144	106	61	59	54	61	57	0
26	60	180	137	148	140	80	73	68	51	38	57	0
27	61	175	109	152	136	97	78	62	50	44	66	0
28	61	169	104	140	141	120	89	53	49	57	68	0
29	65	-	96	141	147	113	88	51	55	51	61	0
30	60	-	89	147	144	92	93	65	56	43	66	0
31	74	-	86	-	153	-	89	70	-	47	-	0
TOTAL	2,717	4,399	3,902	4,182	4,352	3,541	2,563	1,996	1,524	2,154	1,832	941
MAXIMUM DAY	144	180	169	162	168	236	104	117	75	102	69	104
MINIMUM DAY	60	106	86	97	127	57	50	32	39	38	54	0
MEAN	88	157	126	139	140	118	83	64	51	69	61	30
TOTAL AC. FT.	5,389	8,725	7,739	8,295	8,632	7,023	5,084	3,959	3,023	4,272	3,634	1,866
WHOLE YEAR:-	TOTAL,	34,103	MAX.,	236	MIN.,	0	MEAN,	93	TOTAL AC.FT.,	67,641		

**KERN DELTA WATER DISTRICT
KERN ISLAND CANAL SERVICE AREA**

Quantities in acre-feet

Year: 2021

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<i>Kern Island (1st) Preserved Ent'l</i>	8,493									6,989	3,375	2,050	
Kern Island (1st) Gross Ent'l +	13,381	14,902	15,650	17,176	18,058	11,720	6,554	5,189	4,252	7,609	9,707	13,132	137,330
Kern Island (1st) Release Loss -	4,888	0	0	0	0	0	0	0	0	620	6,332	11,082	22,922
Kern Island (2nd) Gross Ent'l +	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island (2nd) Release Gain +	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island (2nd) Release Loss -	0	0	0	0	0	0	0	0	0	0	0	0	0
Entitlement + or - Releases =	8,493	14,902	15,650	17,176	18,058	11,720	6,554	5,189	4,252	6,989	3,375	2,050	114,408
Into Storage -	905	232	2,576	2,378	1,408	135	212	400	555	761	2	0	9,564
From Storage +	6	835	220	0	180	2,981	1,107	603	335	143	292	96	6,798
Storage Transfer to COB -	666	1,694	0	0	0	0	0	0	0	666	0	0	3,026
Storage Transfer to NKWSD -	0	0	0	0	0	0	0	0	0	0	0	0	0
River and Carrier Canal Loss -	470	728	0	0	50	0	0	0	0	480	0	210	1,938
Transfer in Storage + or -	0	0	0	0	0	0	87	0	0	0	0	0	87
Eastside Canal Entitlement -	0	1,946	2,463	2,602	3,076	2,371	1,743	801	0	77	0	0	15,079
For City of Bakersfield -	0	0	0	0	430	1,176	1,203	1,231	1,176	427	0	0	5,643
Via/For Rosedale RBWSD -	0	0	0	0	0	0	0	0	0	0	0	0	0
Via/For Cawelo Water District -	0	0	0	0	0	0	0	0	0	0	0	0	0
Via/For Improvement District No. 4 -	0	0	3,092	3,901	4,701	4,716	0	0	0	0	0	0	16,410
Via Pioneer Project -	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head of Canal =	6,458	11,137	7,739	8,295	8,573	6,303	4,590	3,360	2,856	4,721	3,665	1,936	69,633
Improvement District No. 4 Wells +	0	0	2,253	3,354	3,917	4,604	4,546	3,100	1,958	468	0	0	24,200
From Hacienda WD (LR) +	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply =	6,458	11,137	9,992	11,649	12,490	10,907	9,136	6,460	4,814	5,189	3,665	1,936	93,833
Utility Deliveries	3,384	6,432	7,212	7,921	8,554	6,794	5,244	3,124	2,627	1,967	1,351	1,074	55,684
Contract Deliveries	145	346	385	428	380	316	269	226	125	251	82	75	3,028
Total Irrigation Deliveries -	3,529	6,778	7,597	8,349	8,934	7,110	5,513	3,350	2,752	2,218	1,433	1,149	58,712
Total District Spreading -	207	329	0	0	0	0	0	0	0	69	24	0	629
Canal Conveyance Losses =	2,722	4,030	2,395	3,300	3,556	3,797	3,623	3,110	2,062	2,902	2,208	787	34,492
Delivery Percentage	58%	64%	76%	72%	72%	65%	60%	52%	57%	44%	40%	59%	63%

Into Reservoir Storage	905	232	2,576	2,378	1,408	135	212	400	555	761	2	0	9,564
Reservoir Evaporation Loss	18	20	37	151	276	331	234	213	187	146	126	51	1,790
From Reservoir Storage	6	835	220	0	180	2,981	1,107	603	335	143	292	96	6,798
End of Month Reservoir Storage	1,802	1,179	3,498	5,725	6,677	3,500	2,371	1,955	1,988	2,460	2,044	1,897	

State Exchange Delivered +	0	0	0	0	83	175	494	599	167	0	0	0	1,518
State Exchange Spreading/Loss +	0	0	0	0	0	0	0	0	0	0	0	0	0
Total State Exchange Diverted =	0	0	0	0	83	175	494	599	167	0	0	0	1,518
MWD Exchange Delivered +	0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Exchange Spreading/Loss +	0	0	0	0	0	0	0	0	0	0	0	0	0
Total MWD Exchange Diverted =	0	0	0	0	0	0	0	0	0	0	0	0	0
Lower River Water Delivered +	0	0	0	0	0	0	0	0	0	0	0	0	0
Lower River Water Spreading/Loss +	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lower River Water Diverted =	0	0	0	0	0	0	0	0	0	0	0	0	0

KERN ISLAND CANAL
ENTITLEMENT AND DIVERSION OF CONTRACT WATER

BALFOUR - GUTHRIE CONTRACT

Quantities in acre-feet
except where noted.....

Year: 2021

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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KERN ISLAND CANAL ENTITLEMENT:

Maximum	18,446	16,661	18,446	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,187
Actual	13,381	14,902	15,650	17,176	18,058	11,720	6,554	5,189	4,252	7,609	9,707	13,132	137,330
Maximum Percentage	72.54%	89.44%	84.84%	96.22%	97.90%	65.65%	35.53%	28.13%	23.82%	41.25%	54.38%	71.19%	

CONTRACT ENTITLEMENT:

Maximum	113	222	246	238	246	238	246	246	238	246	45	0	2,324
Actual	82	199	209	229	241	156	87	69	57	101	24	0	1,454
Sum to Date	82	281	490	719	960	1,116	1,203	1,272	1,329	1,430	1,454	1,454	

CONTRACT DIVERTED:

For Month	12	119	133	151	77	127	63	44	20	58	34	20	858
To Date	12	131	264	415	492	619	682	726	746	804	838	858	

UNUSED ENTITLEMENT:

For Month	70	80	76	78	164	29	24	25	37	43	(10)	0	616
Sum to Date	70	150	226	304	468	497	521	546	583	626	616	616	

KERN ISLAND CANAL
ENTITLEMENT AND DIVERSION OF CONTRACT WATER

BLOOMFIELD CONTRACT

Quantities in acre-feet
except where noted.....

Year: 2021

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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KERN ISLAND CANAL ENTITLEMENT:

Maximum	18,446	16,661	18,446	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,187
Actual	13,381	14,902	15,650	17,176	18,058	11,720	6,554	5,189	4,252	7,609	9,707	13,132	137,330
Maximum Percentage	72.54%	89.44%	84.84%	96.22%	97.90%	65.65%	35.53%	28.13%	23.82%	41.25%	54.38%	71.19%	

CONTRACT ENTITLEMENT:

Maximum	336	303	336	325	336	325	336	336	325	336	325	0	3,619
Actual	244	271	285	313	329	213	119	95	77	139	177	0	2,262
Sum to Date	244	515	800	1,113	1,442	1,655	1,774	1,869	1,946	2,085	2,262	2,262	

CONTRACT DIVERTED:

For Month	133	227	252	277	303	189	206	182	105	193	48	55	2,170
To Date	133	360	612	889	1,192	1,381	1,587	1,769	1,874	2,067	2,115	2,170	

UNUSED ENTITLEMENT:

For Month	111	44	33	36	26	24	(87)	(87)	(28)	(54)	129	0	147
Sum to Date	111	155	188	224	250	274	187	100	72	18	147	147	

Total Flow via the Eastside Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	28	40	45	40	54	38	33	0	0	0	0
2	0	38	43	45	45	59	41	32	0	0	0	0
3	0	38	45	45	51	58	40	31	0	0	0	0
4	0	38	44	43	57	60	39	41	0	0	0	0
5	0	38	40	42	57	62	37	44	0	0	0	0
6	0	38	41	39	55	52	37	37	0	0	0	0
7	0	39	35	43	51	54	37	34	0	0	0	0
8	0	38	38	50	41	57	38	32	0	0	0	0
9	0	46	45	44	42	58	37	21	0	0	0	0
10	0	45	49	39	49	63	35	20	0	0	0	0
11	0	42	49	37	52	69	38	20	0	0	0	0
12	0	36	42	48	54	62	39	20	0	0	0	0
13	0	28	41	54	57	56	37	20	0	0	0	0
14	0	31	37	51	52	60	39	20	0	0	0	0
15	0	33	40	45	45	56	39	20	0	0	0	0
16	0	29	40	44	47	47	41	0	0	0	0	0
17	0	33	41	42	49	48	44	0	0	0	0	0
18	0	34	44	41	51	50	45	0	0	0	0	0
19	0	28	40	47	48	44	43	0	0	0	0	0
20	0	29	33	49	53	38	45	0	0	0	0	0
21	0	29	32	47	55	43	44	0	0	0	0	0
22	0	30	35	47	45	50	42	0	0	0	0	0
23	0	34	41	43	44	48	44	0	0	0	0	0
24	0	38	42	34	53	47	45	0	0	0	0	0
25	0	41	37	33	54	48	45	0	0	0	0	0
26	0	37	32	41	58	45	41	0	0	0	0	0
27	0	29	30	39	59	35	41	0	0	0	0	0
28	0	34	33	46	56	36	41	0	0	10	0	0
29	0	-	41	46	46	38	43	0	0	20	0	0
30	0	-	45	43	43	37	42	0	0	9	0	0
31	0	-	47	-	52	-	39	0	-	0	-	0
TOTAL	0	981	1,242	1,312	1,561	1,534	1,256	425	0	39	0	0
MAXIMUM DAY	0	46	49	54	59	69	45	44	0	20	0	0
MINIMUM DAY	0	28	30	33	40	35	35	0	0	0	0	0
MEAN	0	35	40	44	50	51	41	14	0	1	0	0
TOTAL AC. FT.	0	1,946	2,463	2,602	3,096	3,043	2,491	843	0	77	0	0
WHOLE YEAR:-	TOTAL,	8,350	MAX.,	69	MIN.,	0	MEAN,	23	TOTAL AC.FT.,	16,561		

KERN DELTA WATER DISTRICT
EASTSIDE CANAL SERVICE AREA

Quantities in acre-feet

Year: 2021

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	+	0	1,946	2,463	2,602	3,076	2,371	1,743	801	0	77	0	0	15,079
State Exchange Diverted	+	0	0	0	0	20	672	748	42	0	0	0	0	1,482
MWD Water Diverted	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Lower River Water Diverted	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastside Canal at Head	=	0	1,946	2,463	2,602	3,096	3,043	2,491	843	0	77	0	0	16,561

Utility Deliveries	+	0	1,006	1,615	1,749	2,241	1,999	859	383	0	0	0	0	9,852
Contract Deliveries	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Utility Deliveries	=	0	1,006	1,615	1,749	2,241	1,999	859	383	0	0	0	0	9,852
State Exchange Delivered	+	0	0	0	0	20	672	748	42	0	0	0	0	1,482
MWD Water Delivered	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Lower River Water Diverted	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal State/Other Deliveries	=	0	0	0	0	20	672	748	42	0	0	0	0	1,482
Total Irrigation Deliveries		0	1,006	1,615	1,749	2,261	2,671	1,607	425	0	0	0	0	11,334

District Spreading (Utility)	+	0	109	0	6	0	0	0	0	0	40	0	0	155
District Spreading (State)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
District Spreading (MWD)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
District Spreading (Other)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total District Spreading	=	0	109	0	6	0	0	0	0	0	40	0	0	155

Canal Loss (Utility)	+	0	831	848	847	835	372	884	418	0	37	0	0	5,072
Canal Loss (State)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Canal Loss (MWD)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Canal Loss (Other)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Canal Loss	=	0	831	848	847	835	372	884	418	0	37	0	0	5,072
Delivery Percentage		0%	57%	66%	67%	73%	88%	65%	50%	0%	52%	0%	0%	69%

Total Flow via the Buena Vista Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	51	8	0	0	0	44	0	0	0	0	21	0
2	49	41	0	0	0	46	0	0	0	0	24	0
3	52	56	0	0	0	69	0	0	0	0	13	0
4	62	68	0	0	0	88	0	0	0	0	0	0
5	59	68	0	0	0	83	0	0	0	0	0	0
6	59	73	0	0	0	95	0	0	0	0	0	0
7	62	70	0	0	0	115	0	0	0	0	0	0
8	52	62	0	0	0	130	0	0	0	0	0	0
9	32	31	0	0	0	123	0	0	0	0	0	0
10	33	34	0	0	0	120	0	0	0	0	0	0
11	42	35	0	0	0	123	0	0	0	0	0	6
12	39	33	0	0	0	101	0	0	0	0	0	29
13	25	35	0	0	0	83	0	0	0	0	0	32
14	25	37	0	0	0	25	0	0	0	0	0	21
15	26	36	0	0	0	0	0	0	0	0	0	0
16	26	37	0	0	0	0	0	0	0	0	0	0
17	20	38	0	0	0	0	0	0	0	0	0	0
18	0	47	0	0	0	0	0	0	0	0	0	0
19	0	48	0	0	0	0	0	0	0	0	0	0
20	0	40	0	0	0	0	0	0	0	0	0	0
21	0	47	0	0	0	0	0	0	0	0	0	0
22	0	41	0	0	0	0	0	0	0	0	0	0
23	0	36	0	0	0	0	0	0	0	0	0	0
24	0	26	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	24	0	0
30	0	-	0	0	0	0	0	0	0	34	0	0
31	0	-	0	-	12	-	0	0	-	25	-	0
TOTAL	714	1,047	0	0	12	1,245	0	0	0	83	58	88
MAXIMUM DAY	62	73	0	0	12	130	0	0	0	34	24	32
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	23	37	0	0	0	42	0	0	0	3	2	3
TOTAL AC. FT.	1,416	2,077	0	0	24	2,469	0	0	0	165	115	175
WHOLE YEAR:-	TOTAL,	3,247	MAX.,	130	MIN.,	0	MEAN,	9	TOTAL AC.FT.,	6,441		

KERN DELTA WATER DISTRICT BUENA VISTA CANAL SERVICE AREA

Quantities in acre-feet

Year: 2021

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<i>Buena Vista (1st) Preserved Ent'l</i>	347										236	191	
Buena Vista (1st) Gross Ent'l	+	0	0	0	0	0	0	0	0	0	0	1,194	1,194
Buena Vista (1st) Release Gain	+	347	0	0	0	0	0	0	0	460	236	191	1,234
Buena Vista (1st) Release Loss	-	0	0	0	0	0	0	0	0	0	0	1,194	1,194
Buena Vista (2nd) Gross Ent'l	+	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista (2nd) Release Gain	+	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista (2nd) Release Loss	-	0	0	0	0	0	0	0	0	0	0	0	0
Entitlement + or - Releases	=	347	0	0	0	0	0	0	0	460	236	191	1,234
Into Storage	-	89	0	0	0	58	0	0	0	301	56	0	504
From Storage	+	89	0	0	0	978	87	0	0	0	56	0	1,210
Storage Transfer to NKWSD	-	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal/River Loss	-	0	0	0	0	0	0	0	0	78	152	86	316
Transfer in Storage	+ or -	0	0	0	0	58	(87)	0	0	0	0	0	(29)
Via/For Improvement District No. 4	-	0	0	0	0	60	0	0	0	0	0	0	60
Diverted at Head of Canal	=	347	0	0	0	918	0	0	0	81	84	105	1,535
Improvement District No. 4 Wells	+	0	0	0	0	60	0	0	0	0	0	0	60
From Hacienda WD (LR)	+	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	=	347	0	0	0	978	0	0	0	81	84	105	1,595
Utility Deliveries		216	0	0	0	889	0	0	0	32	0	0	1,137
Contract Deliveries		0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	-	216	0	0	0	889	0	0	0	32	0	0	1,137
Total District Spreading	-	0	0	0	0	0	0	0	0	0	65	0	65
Canal Conveyance Losses	=	131	0	0	0	89	0	0	0	49	19	105	393
Delivery Percentage		62%	0%	0%	0%	97%	0%	0%	0%	40%	77%	0%	78%

Into Reservoir Storage	89	0	0	0	0	58	0	0	0	301	56	0	504
Reservoir Evaporation Loss	18	16	24	35	46	23	0	0	0	2	16	7	187
From Reservoir Storage	89	0	0	0	0	978	87	0	0	0	56	0	1,210
End of Month Reservoir Storage	1,151	1,135	1,111	1,076	1,030	87	0	0	0	299	283	276	

State Exchange Delivered	+	0	0	0	0	593	0	0	0	0	0	0	593
State Exchange Spreading/Loss	+	0	0	0	0	0	0	0	0	0	0	0	0
Total State Exchange Diverted	=	0	0	0	0	593	0	0	0	0	0	0	593
MWD Exchange Delivered	+	0	0	0	0	0	0	0	0	0	0	0	0
MWD Exchange Spreading/Loss	+	0	0	0	0	0	0	0	0	0	0	0	0
Total MWD Exchange Diverted	=	0	0	0	0	0	0	0	0	0	0	0	0
Lower River Water Delivered	+	0	0	0	0	0	0	0	0	0	0	0	0
Lower River Water Spreading/Loss	+	0	0	0	0	0	0	0	0	0	0	0	0
Total Lower River Water Diverted	=	0	0	0	0	0	0	0	0	0	0	0	0
BVWSD/Carmel Exchange Delivered	+	0	0	0	0	137	0	0	0	0	0	0	137
BVWSD/Carmel Exch. Spreading/Loss	+	0	0	0	0	0	0	0	0	0	0	0	0
Total BVWSD/Carmel Exch Diverted	=	0	0	0	0	137	0	0	0	0	0	0	137

**KERN DELTA WATER DISTRICT
BUENA VISTA CANAL
DISTRIBUTION OF WATER**

Quantities in acre-feet

Year: 2021

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista Canal at Headworks	1,416	2,077	0	0	24	2,469	0	0	0	165	115	175	6,441
Buena Vista Canal from Maples Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista Canal via Wells	0	0	0	0	0	1,654	1,355	0	0	0	0	0	3,009
TOTAL BUENA VISTA CANAL SUPPLY	1,416	2,077	0	0	24	4,123	1,355	0	0	165	115	175	9,450

Deliveries:

0

Buena Vista Utility	216	0	0	0	0	889	0	0	0	0	0	0	1,105
Buena Vista Utility Spreading	0	0	0	0	0	0	0	0	0	0	65	0	65
Buena Vista State Exchange (Irrigation)	0	0	0	0	0	593	0	0	0	0	0	0	593
Buena Vista State Exchange (Spreading)	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista MWD Water (Irrigation)	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista MWD Water (Spreading)	0	0	0	0	0	0	0	0	0	0	0	0	0
BVWSD/Carmel Exchange (Irrigation)	0	0	0	0	0	137	0	0	0	0	0	0	137
BVWSD/Carmel Exchange (Spreading)	0	0	0	0	0	0	0	0	0	0	0	0	0
Stine Utility	0	0	0	0	0	28	0	0	0	0	0	0	28
Stine Utility Spreading	0	0	0	0	0	0	0	0	0	0	0	0	0
Stine State Exchange (Irrigation)	0	0	0	0	0	8	0	0	0	0	0	0	8
Stine State Exchange (Spreading)	0	0	0	0	0	0	0	0	0	0	0	0	0
Farmers Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Farmers Utility Spreading	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island Utility	341	778	0	0	0	891	718	0	0	0	0	0	2,728
Kern Island Utility Spreading	0	186	0	0	0	0	0	0	0	0	24	0	210
TOTAL DELIVERED	557	964	0	0	0	2,546	718	0	0	0	89	0	4,874

Canal Conveyance Losses	859	1,113	0	0	24	1,577	637	0	0	165	26	175	4,576
Delivery Percentage	39%	46%	0%	0%	0%	62%	53%	0%	0%	0%	77%	0%	52%

DISTRIBUTION:

Buena Vista Utility	216	0	0	0	0	889	0	0	0	0	65	0	1,170
Buena Vista State Water	0	0	0	0	0	593	0	0	0	0	0	0	593
Buena Vista MWD Water	0	0	0	0	0	0	0	0	0	0	0	0	0
BVWSD/Carmel Exchange	0	0	0	0	0	137	0	0	0	0	0	0	137
Stine Utility	0	0	0	0	0	28	0	0	0	0	0	0	28
Stine State Water	0	0	0	0	0	8	0	0	0	0	0	0	8
Farmers Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island Utility	341	964	0	0	0	891	718	0	0	0	24	0	2,938
Total Loss	859	1,113	0	0	24	1,577	637	0	0	165	26	175	4,576
TOTAL	1,416	2,077	0	0	24	4,123	1,355	0	0	165	115	175	9,450

Total Flow via the Stine Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	31	0	0	0	33	0	0	0	0	0	0
2	0	25	0	0	0	36	0	0	0	0	0	0
3	0	16	0	0	0	44	0	0	0	0	0	0
4	0	0	0	0	0	50	0	0	0	0	0	0
5	0	30	0	0	0	43	0	0	0	0	0	0
6	0	33	0	0	0	39	0	0	0	0	0	0
7	0	34	0	0	0	44	0	0	0	0	0	0
8	0	0	0	0	0	46	0	0	0	0	0	0
9	0	0	0	0	0	51	0	0	0	0	0	0
10	0	0	0	0	0	55	0	0	0	0	0	0
11	0	0	0	0	0	47	0	0	0	0	0	0
12	0	0	0	0	0	40	0	0	0	0	0	0
13	0	0	0	0	0	14	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	33	0	0
27	0	0	0	0	0	0	0	0	0	45	0	0
28	0	0	0	0	0	0	0	0	0	47	0	0
29	0	-	0	0	0	0	0	0	0	45	0	0
30	0	-	0	0	0	0	0	0	0	14	0	0
31	0	-	0	-	16	-	0	0	-	0	-	0
TOTAL	0	169	0	0	16	542	0	0	0	184	0	0
MAXIMUM DAY	0	34	0	0	16	55	0	0	0	47	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	6	0	0	1	18	0	0	0	6	0	0
TOTAL AC. FT.	0	335	0	0	32	1,075	0	0	0	365	0	0
WHOLE YEAR:-	TOTAL,	911	MAX.,	55	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,807		

KERN DELTA WATER DISTRICT

FARMERS CANAL SERVICE AREA

Quantities in acre-feet

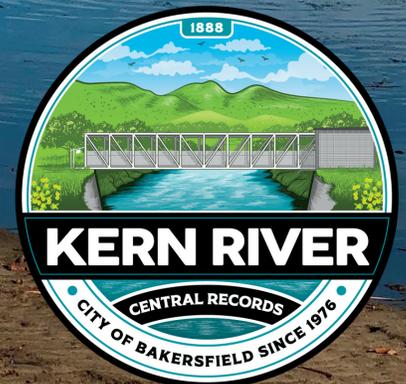
Year: 2021

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Farmers Preserved Entitlement									610	268			207	
Kern River Entitlement	+	0	0	0	0	0	0	0	0	0	0	0	266	266
Release Gain	+	0	0	0	0	0	0	0	0	0	0	0	207	207
Release Loss	-	0	0	0	0	0	0	0	0	0	0	0	266	266
Entitlement + or - Releases	=	0	0	0	0	0	0	0	0	0	0	0	207	207
Into Storage	-	0	0	0	0	0	0	0	0	0	0	0	207	207
From Storage	+	0	0	0	0	0	1,257	0	0	0	0	0	0	1,257
Transfer in Storage	+ or -	0	0	0	0	0	(14)	0	0	0	0	0	0	(14)
Storage Transfer to NKWSD	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Via/For Improvement District No. 4	-	0	0	0	0	0	234	0	0	0	0	0	0	234
Diverted at Head of Canal	=	0	0	0	0	0	1,009	0	0	0	0	0	0	1,009
Improvement District No. 4 Wells	+	0	0	0	0	0	233	0	0	0	0	0	0	233
From Other	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	=	0	0	0	0	0	1,242	0	0	0	0	0	0	1,242
Utility Deliveries		0	0	0	0	0	744	0	0	0	0	0	0	744
Contract Deliveries		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	-	0	0	0	0	0	744	0	0	0	0	0	0	744
Total District Spreading	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Canal Conveyance Losses	=	0	0	0	0	0	498	0	0	0	0	0	0	498
Delivery Percentage		0%	0%	0%	0%	0%	74%	0%	0%	0%	0%	0%	0%	74%

Into Reservoir Storage	0	0	0	0	0	0	0	0	0	0	0	0	207	207
Reservoir Evaporation Loss	21	20	29	46	55	21	0	0	0	0	0	0	2	194
From Reservoir Storage	0	0	0	0	0	1,257	0	0	0	0	0	0	0	1,257
End of Month Reservoir Storage	1,428	1,408	1,379	1,333	1,278	0	205							

State Exchange Delivered	+	0	0	0	0	0	0	0	0	0	0	0	0	0
State Exchange Spreading/Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total State Exchange Diverted	=	0												
MWD Exchange Delivered	+	0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Exchange Spreading/Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total MWD Exchange Diverted	=	0												
Lower River Water Delivered	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Lower River Water Spreading/Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Lower River Water Diverted	=	0												

CITY OF BAKERSFIELD



KERN RIVER CHANNEL OPERATIONS

CITY OF BAKERSFIELD

Quantities in acre-feet

YEAR: 2021

	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
+ Kern River at First Point of Measurement	12,754	14,962	15,578	22,205	21,072	28,511	17,131	7,841	5,434	6,889	9,154	13,755	175,286
- Computed Loss	676	611	676	655	676	655	676	676	655	676	655	676	7,963
- Beardsley Canal at Head	2,418	415	522	1,057	859	5,617	7,811	2,363	1,753	776	4,596	7,547	35,734
- Panorama Preserve	0	0	2	0	2	2	4	0	3	0	2	0	15
- Carrier Canal at Head	9,648	13,936	14,378	20,493	19,535	22,237	8,640	4,802	3,023	5,437	3,901	2,337	128,367
= Rocky Point Weir	12	0	0	0	0	0	0	0	0	0	0	3,195	3,207
+ Carrier Waste Gate	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Farmers-Stine-Anderson: to River	2,289	159	3,481	4,542	4,996	5,280	0	0	0	0	0	0	20,747
- Farmers-Stine-Anderson: from River	0	0	0	0	0	0	0	0	0	0	0	2,083	2,083
- Calloway Canal at Head	1,783	0	2,592	3,794	4,379	4,674	0	0	0	0	0	0	17,222
- River Loss: Rocky Point to Calloway Weir	518	159	889	748	617	606	0	0	0	0	0	1,112	4,649
= Calloway River Weir	0	0	0	0	0	0	0						
+ CVC T.O. #4 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Truxtun Lake to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+ CVC T.O. #3 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Friant-Kern Inflow	0	0	0	0	0	0	0	0	0	0	0	0	0
- River Canal Pond Storage Withdraw	0	0	0	0	0	0	0	0	0	0	0	0	0
- River Canal from River	0	0	0	0	0	0	0	0	0	0	0	0	0
- River Loss: Cally. Weir to River Canal Weir	0	0	0	0	0	0	0	0	0	0	0	0	0
= River Canal Weir	0	0	0	0	0	0	0						
+ Pioneer Turnout	0	0	0	28	0	0	0	0	0	0	0	1,396	1,424
- The Park at River Walk	0	0	0	28	0	0	0	0	0	0	0	16	44
+ CVC T.O. #2 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
- Rosedale Channel at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
- Aera Park Turnout	0	0	0	0	0	0	0	0	0	0	0	35	35
- Pioneer Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
- Berrenda Mesa Pipeline Turnout	0	0	0	0	0	0	0	0	0	0	0	81	81
- River Loss: River Canal to Bellevue Weir	0	0	0	0	0	0	0	0	0	0	0	871	871
= Flow at Bellevue Weir	0	0	0	0	0	393	393						
- River Loss: Bellevue Weir to ID#4 Boundary	0	0	0	0	0	0	0	0	0	0	0	196	196
- River Loss: ID#4 Boundary to 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	197	197
+ CVC T.O. #1 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+ River Canal Turnout to 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- Pioneer Central from 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- Pioneer North from 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- Kern Water Bank from 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- Kern Water Bank Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
- River Loss: 2800 Acres to Second Point	0	0	0	0	0	0	0	0	0	0	0	0	0
- 2800 Acre Recharge Facility	0	0	0	0	0	0	0	0	0	0	0	0	0
= Second Point via Kern River Channel	0	0	0	0	0	0	0						

CARRIER CANAL OPERATIONS CITY OF BAKERSFIELD

Year: 2021

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ Carrier Canal at Head	9,648	13,936	14,378	20,493	19,535	22,237	8,640	4,802	3,023	5,437	3,901	2,337	128,367
- Carrier Waste Gate	0	0	0	0	0	0	0	0	0	0	0	0	0
- Canal Refill	0	0	0	0	0	0	0	0	0	0	0	0	0
= Carrier Reclamation Weir	9,648	13,936	14,378	20,493	19,535	22,237	8,640	4,802	3,023	5,437	3,901	2,337	128,367
+ Storm Drain Inflow	0	0	0	0	0	0	0	0	0	23	0	8	31
- Eastside Canal at Head	0	1,946	2,463	2,602	3,096	3,043	2,491	843	0	77	0	0	16,561
- Kern Island Canal at Head	5,389	8,725	7,739	8,295	8,632	7,023	5,084	3,959	3,023	4,272	3,634	1,866	67,641
= Levee No. 1	4,259	3,265	4,176	9,596	7,807	12,171	1,065	0	0	1,111	267	479	44,196
- Farmers-Stine-Anderson: to River	2,289	159	3,481	4,542	4,996	5,280	0	0	0	0	0	0	20,747
+ Farmers-Stine-Anderson: from River	0	0	0	0	0	0	0	0	0	0	0	2,083	2,083
= Carrier Canal at Oak Street	1,970	3,106	695	5,054	2,811	6,891	1,065	0	0	1,111	267	2,562	25,532
- Stine Canal at Head	0	335	0	0	32	1,075	0	0	0	365	0	0	1,807
- Carrier to Truxtun Lakes	50	39	0	244	0	0	0	0	0	0	0	197	530
+ Truxtun Lakes to Carrier	0	0	0	0	0	0	0	0	0	0	0	0	0
- Arvin-Edison Turnout	0	0	0	0	0	0	0	0	0	0	0	0	0
- Total Carrier Canal Loss	504	655	272	720	517	530	174	0	0	581	152	794	4,899
+ River Canal from River	0	0	0	0	0	0	0	0	0	0	0	0	0
= River Canal at Stockdale Highway	1,416	2,077	423	4,090	2,262	5,286	891	0	0	165	115	1,571	18,296
- Buena Vista Canal at Head	1,416	2,077	0	0	24	2,469	0	0	0	165	115	175	6,441
- Pioneer Turnout	0	0	0	28	0	0	0	0	0	0	0	1,396	1,424
- James Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Pioneer Well Water Production	0	0	656	583	603	446	603	551	536	544	515	553	5,590
= River Canal at Alternate Second Point	0	0	1,079	4,645	2,841	3,263	1,494	551	536	544	515	553	16,021
+ City-Olcese Well Water Production	0	505	819	1,129	1,248	1,103	1,101	1,053	1,071	1,164	1,129	1,147	11,469
+ Berrenda Mesa Well Water Production	0	0	1,135	1,046	1,048	959	966	985	848	840	625	523	8,975
+ ID4 Well Water Production	0	0	800	916	861	680	648	856	814	828	452	525	7,380
+ Pioneer Well Water Production	0	0	2,057	2,181	2,265	2,306	2,189	2,231	2,132	2,031	1,795	1,849	21,036
+ KWB Well Water Production	0	569	1,754	1,799	1,776	1,653	1,593	1,597	1,505	1,526	1,473	1,495	16,740
+ Pioneer Flood Water	0	0	0	0	0	0	0	0	0	0	0	0	0
- Kern Delta WD via River Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
- KCWA via River Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
- City of Bakersfield for Buena Vista WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
- Basin 7 Turnout	0	0	0	0	0	0	0	0	0	0	0	0	0
= Second Point Group Flow via River Canal	0	1,074	7,644	11,716	10,039	9,964	7,991	7,273	6,906	6,933	5,989	6,092	81,621

**MONTHLY SUMMARY OF ENTITLEMENT, EXCHANGES, DIVERSIONS, DELIVERIES, LOSSES & SALES
CITY OF BAKERSFIELD**

Quantities in acre-feet

Year: 2021

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement +	0	0	250	3,203	6,174	155	0	0	0	0	0	304	10,086
Release +	783	0	0	0	0	0	0	0	0	40	1,190	3,431	5,444
ENTITLEMENT + OR - RELEASES =	783	0	250	3,203	6,174	155	0	0	0	40	1,190	3,735	15,530
Storage Transfers + or -	627	0	0	0	0	0	0	0	0	0	1,458	504	2,589
From Reservoir Storage +	36	63	1,831	498	171	974	464	266	262	480	161	157	5,363
Into Reservoir Storage -	736	261	4	543	4,552	45	0	0	0	16	1,476	302	7,935
KDWD Transfer/Exchange + or -	436	1,111	0	0	430	1,176	1,203	1,231	1,176	863	0	0	7,626
TOTAL SUPPLY =	1,146	913	2,077	3,158	2,223	2,260	1,667	1,497	1,438	1,367	1,333	4,094	23,173
County of Kern	31	32	68	92	119	154	187	177	137	99	66	44	1,206
California Water Service Company	798	740	793	763	841	777	806	813	767	770	866	586	9,320
Olcese Water District	11	16	31	67	77	102	71	63	100	79	63	39	719
North Kern WSD (Extension Water)	0	0	0	0	0	0	0	0	0	0	0	0	0
North Kern WSD (Borrow/Payback)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cawelo WD (Extension Water)	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern-Tulare WD (Extension Water)	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale RBWSD (Basic Contract)	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale RBWSD (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Canal & Irrigation Supply	0	0	522	603	432	425	425	444	431	419	336	230	4,267
Calloway Canal Non ID 4 (NW Feeder)	85	0	280	538	243	237	0	0	0	0	0	0	1,383
Pioneer Project	0	0	0	0	0	0	0	0	0	0	0	0	0
Truxtun Lakes	50	39	0	244	0	0	0	0	0	0	0	189	522
The Park at River Walk	0	0	0	28	0	0	0	0	0	0	0	16	44
Aera Park	0	0	0	0	0	0	0	0	0	0	0	35	35
Berrenda Mesa TO	0	0	0	0	0	0	0	0	0	0	0	81	81
Panorama Preserve	0	0	2	0	2	2	4	0	3	0	2	0	15
2800 Acre Banking	0	0	0	0	0	0	0	0	0	0	0	0	0
First Point Passing Second Point	0	0	0	0	0	0	0	0	0	0	0	0	0
River and Carrier Canal Loss	171	86	381	823	509	563	174	0	0	0	0	2,874	5,581
TOTAL DIVERTED =	1,146	913	2,077	3,158	2,223	2,260	1,667	1,497	1,438	1,367	1,333	4,094	23,173
Into Reservoir Storage	736	261	4	543	4,552	45	0	0	0	16	1,476	302	7,935
Reservoir Evaporation Loss	114	107	158	186	374	533	625	664	521	333	268	142	4,025
From Reservoir Storage	36	63	1,831	498	171	974	464	266	262	480	161	157	5,363
End of Month Reservoir Storage	6,430	6,521	4,536	4,395	8,402	6,940	5,851	4,921	4,138	3,341	4,388	4,391	

**CITY OF BAKERSFIELD
STATUS OF LONG TERM CONTRACTS**

Quantities in acre-feet

NORTH KERN WATER STORAGE DISTRICT					
Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract Delivered	Cumulative Contract Delivery	Basic Contract Balance
1977	20,000	20,000	20,000	20,000	0
1978	20,000	40,000	20,000	40,000	0
1979	20,000	60,000	20,000	60,000	0
1980	20,000	80,000	20,000	80,000	0
1981	20,000	100,000	20,000	100,000	0
1982	20,000	120,000	20,000	120,000	0
1983	20,000	140,000	20,000	140,000	0
1984	20,000	160,000	20,000	160,000	0
1985	20,000	180,000	20,000	180,000	0
1986	20,000	200,000	20,000	200,000	0
1987	20,000	220,000	20,000	220,000	0
1988	20,000	240,000	20,000	240,000	0
1989	20,000	260,000	20,000	260,000	0
1990	20,000	280,000	20,000	280,000	0
1991	20,000	300,000	20,000	300,000	0
1992	20,000	320,000	14,381	314,381	(5,619)
1993	20,000	340,000	23,700	338,081	(1,919)
1994	20,000	360,000	20,000	358,081	(1,919)
1995	20,000	380,000	21,919	380,000	0
1996	20,000	400,000	20,000	400,000	0
1997	20,000	420,000	20,000	420,000	0
1998	20,000	440,000	20,000	440,000	0
1999	20,000	460,000	20,000	460,000	0
2000	20,000	480,000	20,000	480,000	0
2001	20,000	500,000	20,000	500,000	0
2002	20,000	520,000	20,000	520,000	0
2003	20,000	540,000	20,000	540,000	0
2004	20,000	560,000	20,000	560,000	0
2005	20,000	580,000	20,000	580,000	0
2006	20,000	600,000	20,000	600,000	0
2007	20,000	620,000	20,000	620,000	0
2008	20,000	640,000	20,000	640,000	0
2009	20,000	660,000	20,000	660,000	0
2010	20,000	680,000	20,000	680,000	0
2011	20,000	700,000	20,000	700,000	0

CAWELO WATER DISTRICT					
Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract (Make-up) Delivered	Cumulative Contract Delivery	Basic Contract Balance
1977	27,000	27,000	5,024	5,024	(21,976)
1978	27,000	54,000	35,404	40,428	(13,572)
1979	27,000	81,000	36,780	77,208	(3,792)
1980	27,000	108,000	30,792	108,000	0
1981	27,000	135,000	27,000	135,000	0
1982	27,000	162,000	27,000	162,000	0
1983	27,000	189,000	27,000	189,000	0
1984	27,000	216,000	27,000	216,000	0
1985	27,000	243,000	27,000	243,000	0
1986	27,000	270,000	27,000	270,000	0
1987	27,000	297,000	27,000	297,000	0
1988	27,000	324,000	12,821	309,821	(14,179)
1989	27,000	351,000	22,460	332,281	(18,719)
1990	27,000	378,000	17,723	350,004	(27,996)
1991	27,000	405,000	29,316	379,320	(25,680)
1992	27,000	432,000	28,868	408,188	(23,812)
1993	27,000	459,000	32,000	440,188	(18,812)
1994	27,000	486,000	23,760	463,948	(22,052)
1995	27,000	513,000	32,000	495,948	(17,052)
1996	27,000	540,000	32,000	527,948	(12,052)
1997	27,000	567,000	32,000	559,948	(7,052)
1998	27,000	594,000	32,000	591,948	(2,052)
1999	27,000	621,000	29,052	621,000	0
2000	27,000	648,000	27,000	648,000	0
2001	27,000	675,000	15,670	663,670	(11,330)
2002	27,000	702,000	18,270	681,940	(20,060)
2003	27,000	729,000	27,115	709,055	(19,945)
2004	27,000	756,000	23,341	732,396	(23,604)
2005	27,000	783,000	32,000	764,396	(18,604)
2006	27,000	810,000	30,037	794,433	(15,567)
2007	27,000	837,000	9,919	804,352	(32,648)
2008	27,000	864,000	28,163	832,515	(31,485)
2009	27,000	891,000	27,191	859,706	(31,294)
2010	27,000	918,000	31,500	891,206	(26,794)
2011	27,000	945,000	32,000	923,206	(21,794)
2012	0	945,000	10,800	934,006	(10,994)
2013	0	945,000	3,887	937,893	(7,107)
2014	0	945,000	91	937,984	(7,016)
2015	0	945,000	0	937,984	(7,016)
2016	0	945,000	0	937,984	(7,016)
2017	0	945,000	7,016	945,000	0

KERN-TULARE WATER DISTRICT					
Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract (Make-up) Delivered	Cumulative Contract Delivery	Basic Contract Balance
1977	20,000	20,000	4,673	4,673	(15,327)
1978	20,000	40,000	23,690	28,363	(11,637)
1979	20,000	60,000	24,122	52,485	(7,515)
1980	20,000	80,000	23,403	75,888	(4,112)
1981	20,000	100,000	23,700	99,588	(412)
1982	20,000	120,000	20,412	120,000	0
1983	20,000	140,000	4,587	124,587	(15,413)
1984	20,000	160,000	20,000	144,587	(15,413)
1985	20,000	180,000	20,000	164,587	(15,413)
1986	20,000	200,000	20,000	184,587	(15,413)
1987	20,000	220,000	20,000	204,587	(15,413)
1988	20,000	240,000	11,763	216,350	(23,650)
1989	20,000	260,000	16,635	232,985	(27,015)
1990	20,000	280,000	0	232,985	(47,015)
1991	20,000	300,000	20,000	252,985	(47,015)
1992	20,000	320,000	9,089	262,074	(57,926)
1993	20,000	340,000	29,332	291,406	(48,594)
1994	20,000	360,000	18,348	309,754	(50,246)
1995	20,000	380,000	32,733	342,487	(37,513)
1996	20,000	400,000	23,700	366,187	(33,813)
1997	20,000	420,000	23,700	389,887	(30,113)
1998	20,000	440,000	23,700	413,587	(26,413)
1999	20,000	460,000	23,700	437,287	(22,713)
2000	20,000	480,000	20,000	457,287	(22,713)
2001	20,000	500,000	11,610	468,897	(31,103)
2002	20,000	520,000	8,659	477,556	(42,444)
2003	20,000	540,000	20,000	497,556	(42,444)
2004	20,000	560,000	12,412	509,968	(50,032)
2005	20,000	580,000	23,700	533,668	(46,332)
2006	20,000	600,000	21,997	555,665	(44,335)
2007	20,000	620,000	3,260	558,925	(61,075)
2008	20,000	640,000	20,740	579,665	(60,335)
2009	23,000	663,000	23,000	602,665	(60,335)
2010	23,000	686,000	26,825	629,490	(56,510)
2011	23,000	709,000	27,250	656,740	(52,260)
2012	0	709,000	9,200	665,940	(43,060)
2013	0	709,000	3,296	669,236	(39,764)
2014	0	709,000	0	669,236	(39,764)
2015	0	709,000	0	669,236	(39,764)
2016	0	709,000	0	669,236	(39,764)
2017	0	709,000	27,250	696,486	(12,514)
2018	0	709,000	0	696,486	(12,514)
2019	0	709,000	12,514	709,000	0

RAG GULCH WATER DISTRICT					
Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract (Make-up) Delivered	Cumulative Contract Delivery	Basic Contract Balance
1977	3,000	3,000	449	449	(2,551)
1978	3,000	6,000	3,550	3,999	(2,001)
1979	3,000	9,000	3,550	7,549	(1,451)
1980	3,000	12,000	3,550	11,099	(901)
1981	3,000	15,000	3,550	14,649	(351)
1982	3,000	18,000	3,351	18,000	0
1983	3,000	21,000	600	18,600	(2,400)
1984	3,000	24,000	3,000	21,600	(2,400)
1985	3,000	27,000	3,000	24,600	(2,400)
1986	3,000	30,000	3,000	27,600	(2,400)
1987	3,000	33,000	3,000	30,600	(2,400)
1988	3,000	36,000	1,764	32,364	(3,636)
1989	3,000	39,000	2,495	34,859	(4,141)
1990	3,000	42,000	0	34,859	(7,141)
1991	3,000	45,000	3,000	37,859	(7,141)
1992	3,000	48,000	1,363	39,222	(8,778)
1993	3,000	51,000	4,394	43,616	(7,384)
1994	3,000	54,000	2,753	46,369	(7,631)
1995	3,000	57,000	4,993	51,362	(5,638)
1996	3,000	60,000	3,550	54,912	(5,088)
1997	3,000	63,000	3,550	58,462	(4,538)
1998	3,000	66,000	3,550	62,012	(3,988)
1999	3,000	69,000	3,550	65,562	(3,438)
2000	3,000	72,000	3,000	68,562	(3,438)
2001	3,000	75,000	1,740	70,302	(4,698)
2002	3,000	78,000	1,299	71,601	(6,399)
2003	3,000	81,000	3,000	74,601	(6,399)
2004	3,000	84,000	1,862	76,463	(7,537)
2005	3,000	87,000	3,550	80,013	(6,987)
2006	3,000	90,000	3,295	83,308	(6,692)
2007	3,000	93,000	489	83,797	(9,203)
2008	3,000	96,000	3,110	86,907	(9,093)
2009	0	96,000	0	86,907	(9,093)
2010	0	96,000	0	86,907	(9,093)
2011	0	96,000	0	86,907	(9,093)
2012	0	96,000	0	86,907	(9,093)
2013	0	96,000	0	86,907	(9,093)
2014	0	96,000	0	86,907	(9,093)
2015	0	96,000	0	86,907	(9,093)
2016	0	96,000	0	86,907	(9,093)
2017	0	96,000	0	86,907	(9,093)
2018	0	96,000	0	86,907	(9,093)
2019	0	96,000	9,093	95,000	0

CAWELO WATER DISTRICT OPERATIONS

Quantities in acre-feet

Year: 2021

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+ Cawelo WD via Pump Station "B"	0	0	0	0	179	357	1,055	504	333	111	0	0	2,539
Lerdo Delivery Gate No. 8-0-1 +	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-2 +	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-10 +	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-15 +	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-22 +	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-25 +	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-100 +	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Losses for NKWSD +	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-289 +	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-290 +	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-291 +	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-292 +	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Total Lerdo Turnout Deliveries =	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Cawelo WD via Pump Station "D"	0	0	0	0	0	0	0	0	0	0	0	0	0
Beardsley Canal Loss +	0	0	0	0	0	0	10	6	0	4	0	0	20
Lerdo Loss +	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Total Loss =	0	0	0	0	0	0	10	6	0	4	0	0	20
+ Via North Kern WSD	0	0	0	0	0	0	746	0	0	0	0	0	746
= Total Diverted for Cawelo WD	0	0	0	0	179	357	1,811	510	333	115	0	0	3,305

Cawelo Water District Source of Supply:

+ City of Bakersfield Make-Up Water	0	0	0	0	0	0	0	0	0	0	0	0	0
+ NKWSD Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Oildale Mutual WD Well Inflow	0	0	0	0	179	357	307	307	333	0	0	0	1,483
+ Nickel LLC Water Well Sale	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Sunview Vineyards Well	0	0	0	0	0	0	0	0	0	0	0	0	0
+ SWID @ 8-1	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Paramount Farming Well	0	0	0	0	0	0	0	0	0	0	0	0	0
- Pump Station "D" Wells	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Buena Vista WSD Exchange	0	0	0	0	0	0	758	203	0	115	0	0	1,076
+ Buena Vista WSD Exchange via NKWSD	0	0	0	0	0	0	746	0	0	0	0	0	746
+ KCWA Lower River (KDWD Purchase)	0	0	0	0	0	0	0	0	0	0	0	0	0
+ KCWA Lower River (COB Purchase)	0	0	0	0	0	0	0	0	0	0	0	0	0
+ KCWA Lower River	0	0	0	0	0	0	0	0	0	0	0	0	0
+ via CVC Conduit "A"	0	0	0	0	0	0	0	0	0	0	0	0	0
= Total Cawelo Water District Supply	0	0	0	0	179	357	1,811	510	333	115	0	0	3,305

Cawelo Water District Total Diverted via Beardsley-Lerdo Canal System

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	6	5	5	6	0	0	0
2	0	0	0	0	0	6	5	5	6	0	0	0
3	0	0	0	0	0	6	5	5	6	0	0	0
4	0	0	0	0	0	6	5	5	6	29	0	0
5	0	0	0	0	0	6	5	5	6	29	0	0
6	0	0	0	0	0	6	5	5	6	0	0	0
7	0	0	0	0	0	6	5	5	6	0	0	0
8	0	0	0	0	0	6	5	5	6	0	0	0
9	0	0	0	0	0	6	115	5	6	0	0	0
10	0	0	0	0	0	6	115	39	6	0	0	0
11	0	0	0	0	0	6	77	39	6	0	0	0
12	0	0	0	0	0	6	5	39	6	0	0	0
13	0	0	0	0	0	6	5	5	6	0	0	0
14	0	0	0	0	0	6	5	5	6	0	0	0
15	0	0	0	0	0	6	5	5	6	0	0	0
16	0	0	0	0	0	6	5	5	6	0	0	0
17	0	0	0	0	6	6	5	5	6	0	0	0
18	0	0	0	0	6	6	5	5	6	0	0	0
19	0	0	0	0	6	6	5	5	6	0	0	0
20	0	0	0	0	6	6	80	5	6	0	0	0
21	0	0	0	0	6	6	80	5	6	0	0	0
22	0	0	0	0	6	6	80	5	6	0	0	0
23	0	0	0	0	6	6	130	5	6	0	0	0
24	0	0	0	0	6	6	76	5	6	0	0	0
25	0	0	0	0	6	6	50	5	6	0	0	0
26	0	0	0	0	6	6	5	5	6	0	0	0
27	0	0	0	0	6	6	5	5	6	0	0	0
28	0	0	0	0	6	6	5	5	6	0	0	0
29	0	-	0	0	6	6	5	5	0	0	0	0
30	0	-	0	0	6	6	5	5	0	0	0	0
31	0	-	0	-	6	-	5	5	-	0	-	0
TOTAL	0	0	0	0	90	180	913	257	168	58	0	0
MAXIMUM DAY	0	0	0	0	6	6	130	39	6	29	0	0
MINIMUM DAY	0	0	0	0	0	6	5	5	0	0	0	0
MEAN	0	0	0	0	3	6	29	8	6	2	0	0
TOTAL AC. FT.	0	0	0	0	179	357	1,811	510	333	115	0	0
WHOLE YEAR:-	TOTAL,	1,666	MAX.,	130	MIN.,	0	MEAN,	5	TOTAL AC.FT.,	3,305		

**Buena Vista WSD Diverted for Cawelo Water District
(Kern River/SWP Exchange/via NKWSD)**

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	29	0	0
5	0	0	0	0	0	0	0	0	0	29	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	110	0	0	0	0	0
10	0	0	0	0	0	0	110	34	0	0	0	0
11	0	0	0	0	0	0	72	34	0	0	0	0
12	0	0	0	0	0	0	0	34	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	75	0	0	0	0	0
21	0	0	0	0	0	0	75	0	0	0	0	0
22	0	0	0	0	0	0	75	0	0	0	0	0
23	0	0	0	0	0	0	125	0	0	0	0	0
24	0	0	0	0	0	0	71	0	0	0	0	0
25	0	0	0	0	0	0	45	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	758	102	0	58	0	0
MAXIMUM DAY	0	0	0	0	0	0	125	34	0	29	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	24	3	0	2	0	0
TOTAL AC. FT.	0	0	0	0	0	0	1,504	203	0	115	0	0
WHOLE YEAR:-	TOTAL,	918	MAX.,	125	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	1,822		

**IMPROVEMENT DISTRICT NO. 4
KERN RIVER SUPPLY AND DIVERSION RECAP**

(Does not include deliveries into Isabella Reservoir storage or Cross Valley Canal Water)

YEAR: 2021

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Treatment Plant via Calloway Canal	+ 1583	0	2331	3558	3919	4124	0	0	0	0	0	0	15515
Calloway Canal Operational Losses	+ 107	0	123	119	123	119	0	0	0	0	0	0	591
Calloway Canal Below "99"	+ 93	0	138	117	337	431	0	0	0	0	0	0	1116
Cross Valley Canal Filling Losses	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Cross Valley Canal Reverse Flow	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Cross Valley Canal River Turnout #4	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
+ Sub-total Calloway Canal	= 1783	0	2592	3794	4379	4674	0	0	0	0	0	0	17222
Treatment Plant via Beardsley Canal	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Beardsley Canal Diversion Losses	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Cross Valley Canal System Loss/Storage	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Cawelo WD via Beardsley Canal	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
+ Sub-total Beardsley Canal	= 0	0	0	0	0	0	0	0	0	0	0	0	0
+ KRC&I Co. #1 Ditch Spreading	0	0	0	0	0	0	0	0	0	0	0	0	0
+ KRC&I Co. #1 Ditch to Cally. Spreading	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilson Ditch Recharge	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Truxtun Lakes	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Aera Park Recharge	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Loss/Spdg.	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
+ Sub-total via Carrier Canal	= 0	0	0	0	0	0	0	0	0	0	0	0	0
River Loss/Spdg. Above Calloway Weir	+ 518	0	889	748	617	606	0	0	0	0	0	0	3378
River Spreading Below Calloway Weir	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
+ Sub-total River Loss/Spreading	= 518	0	889	748	617	606	0	0	0	0	0	0	3378
+ The Park at River Walk	0	0	0	0	0	0	0	0	0	0	0	0	0
= Improvement District #4 Total Diverted	2301	0	3481	4542	4996	5280	0	0	0	0	0	0	20600
+ Kern-Tulare WD Make-Up Water	0	0	0	0	0	0	0	0	0	0	0	0	0
+ City Kern-Tulare WD Surplus Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0
City Truxtun Lake Exchange	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
City (Non-Improvement District #4 Water) River Loss	+ 137	0	109	103	52	33	0	0	0	0	0	0	434
City (Non-Improvement District #4 Water)	+ 85	0	280	538	243	237	0	0	0	0	0	0	1383
+ Sub-total City of Bakersfield	= 222	0	389	641	295	270	0	0	0	0	0	0	1817
+ North Kern WSD Exchange (Category "A")	0	0	0	0	0	0	0	0	0	0	0	0	0
+ North Kern WSD Exchange (Category "B")	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Buena Vista WSD/ HMWD	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Hacienda WD / ID4	2079	0	0	0	0	0	0	0	0	0	0	0	2079
+ KDWD/MET Exchange	0	0	3092	3901	4701	5010	0	0	0	0	0	0	16704
+ ID4-TCCWD Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
+ ID4-WRMWSD Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
+ BVWSD to ID#4	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Carmel/LHWD to ID#4	0	0	0	0	0	0	0	0	0	0	0	0	0
+ HMWD to ID#4	0	0	0	0	0	0	0	0	0	0	0	0	0
+ KCWA LR	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Hacienda WD / ID4-KCWA Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Hacienda WD / ID4- SWP Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Hacienda WD/ID4 COB Purchase	0	0	0	0	0	0	0	0	0	0	0	0	0
= Improvement District #4 Total Supply	2301	0	3481	4542	4996	5280	0	0	0	0	0	0	20600

Total Flow via the Rosedale Channel at Head (All Sources)
DISCHARGE IN CUBIC FEET PER SECOND (Diverted from Kern River Channel) **Year: 2021**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	0	MAX.,	0	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0		

ROSEDALE RBWSD DIVERSION RECAPITULATION

Quantities in acre-feet

YEAR: 2021

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Rosedale Channel at Headgate	+	0	0	0	0	0	0	0	0	0	0	0	0	0
City for Others	-	0	0	0	0	0	0	0	0	0	0	0	0	0
for Rosedale RBWSD	=	0												
- City Contract Water		0	0	0	0	0	0	0	0	0	0	0	0	0
= Frait Water		0	0	0	0	0	0	0	0	0	0	0	0	0
via Berrenda Mesa Pipeline	+	0	0	0	0	0	0	0	0	0	0	0	0	0
via 2800 Acres to Central Pioneer	+	0	0	0	0	0	0	0	0	0	0	0	0	0
via 2800 Acres to North Pioneer	+	0	0	0	0	0	0	0	0	0	0	0	0	0
via 2800 Acres to Kern Water Bank	+	0	0	0	0	0	0	0	0	0	0	0	0	0
via Pioneer Canal Inlet	+	0	0	0	0	0	0	0	0	0	0	0	0	0
via West Kern Water District	+	0	0	0	0	0	0	0	0	0	0	0	0	0
via Pioneer Project	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Recharge	+	0	0	0	0	0	0	0	0	0	0	0	0	0
2800 Acre Spreading (Gross)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Channel Spreading	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Channel at 2nd Point	+	0	0	0	0	0	0	0	0	0	0	0	0	0
For Cawelo Water District	+	0	0	0	0	0	0	0	0	0	0	0	0	0
For Improvement District #4	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Diverted	=	0												

City of Bakersfield Basic Contract	+	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Bakersfield Miscellaneous	+	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Bakersfield TRIP Payback	+	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Bakersfield Purchase	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Frait Inflow (DEID/AEWSD)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista WSD Exchange	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista WSD Purchase	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Rio Bravo Article 21	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Delta Water District Purchase	+	0	0	0	0	0	0	0	0	0	0	0	0	0
D.E.I.D. Exchange	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Supply	=	0												

ROSEDALE RIO BRAVO WATER STORAGE DISTRICT

Hydrographic and Accounting Report by City of Bakersfield

Quantities in acre-feet

Year: 2021

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	(a)	(b)	(c)	(d)	(e)		(f)		(g)		Other Supply					
	Friant-Kern Inflow	Friant-Kern Delivered	SWP Inflow	SWP Delivered	River Canal Transportation Charge on Column 2	Total Kern River Delivered	No Charge (1st 4000) acre-feet	acre-feet Sold at \$1.00	acre-feet sold at \$6.00	acre-feet sold at \$21.00	Friant-Kern DEID/AEWSD	COB Kern River Sale	BVWSD Kern River Sale	BVWSD Kern River Exchange	Kern Delta W.D. Sale	K-TWD Exchange
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

6.465 = Current Escalator = 6.465
 \$6.47 = Totals = \$0.00
 (per 1961 Agreement)

0	0	2020
0	0	2019
0	0	2018
47,323	0	2017

*Preceding Four
Years*

Notes :

- (a) As charged RRBWSD by U.S.B.R.
- (b) Column 1 less transportation losses.
- (c) As charged RRBWSD by KCWA.
- (d) Column 3 less transportation losses.
- (e) \$0.10 per acre-foot escalated annually (31.6 = 1-82 base index).
- (f) \$1.00 per acre-foot escalated annually (31.6 = 1-82 base index) after the first 4,000 AcFt of each successive 10,000 acre-feet delivered.
- (g) Subject to annual escalation per 1976 agreement (62.8 = 1-82 base index).

STATUS OF CONTRACT

per terms of
ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT
Service Agreement, dated August 31, 1961.

Quantities in acre-feet

Year	TOTAL DELIVERED	FRIANT-KERN DELIVERED	TOTAL KERN RIVER DELIVERED	(1)	KERN RIVER BASIC OBLIGATION	(2)	END of YEAR CONTRACT BALANCE (3)	
				KERN RIVER BASIC CONTRACT DELIVERED			CARRY FORWARD OVER (UNDER)	(4)
1976	0	0	0	0	10,000	(10,000)		50,000
1977	2,199	0	2,199	2,199	10,000	(7,801)		42,199
1978	76,365	4,371	71,994	10,000	10,000	0		42,199
1979	14,568	9,921	4,647	4,647	10,000	(5,353)		36,846
1980	70,790	4,167	66,623	10,000	10,000	0		36,846
1981	773	0	773	773	10,000	(9,227)		27,619
1982	88,374	40,595	47,779	10,000	10,000	0		27,619
1983	134,534	1,440	133,094	10,000	10,000	0		27,619
1984	38,854	0	38,854	10,000	10,000	0		27,619
1985	20,694	0	20,694	0	10,000	(10,000)		17,619
1986	87,761	5,209	82,552	20,000	10,000	10,000		27,619
1987	6,000	0	6,000	0	10,000	(10,000)		17,619
1988	7,845	0	7,845	0	10,000	(10,000)		7,619
1989	4,500	0	4,500	0	10,000	(10,000)		(2,381)
1990	0	0	0	0	10,000	(10,000)		(12,381)
1991	9,076	0	9,076	9,076	10,000	(924)		(13,305)
1992	1,117	0	1,117	1,117	10,000	(8,883)		(22,188)
1993	55,710	28,820	26,890	10,000	10,000	0		(22,188)
1994	3,039	0	3,039	3,039	10,000	(6,961)		(29,149)
1995	110,777	8,470	102,307	30,000	10,000	20,000		(9,149)
1996	93,257	35,396	57,861	19,149	10,000	9,149		0
1997	97,062	6,612	90,450	10,000	10,000	0		0
1998	113,736	4,432	109,304	25,688	10,000	15,688		15,688
1999	13,387	3,187	10,200	10,000	10,000	0		15,688
2000	29,200	18,442	10,758	10,000	10,000	0		15,688
2001	3,972	0	3,972	3,177	10,000	(6,823)		8,865
2002	5,135	0	5,135	3,189	10,000	(6,811)		2,054
2003	12,680	5,104	7,576	7,407	10,000	(2,593)		(539)
2004	3,342	0	3,342	3,342	10,000	(6,658)		(7,197)
2005	151,002	60,626	90,376	20,000	10,000	10,000		2,803
2006	84,699	64	84,635	10,000	10,000	0		2,803
2007	7,783	0	7,783	7,783	10,000	(2,217)		586
2008	0	0	0	0	10,000	(10,000)		(9,414)
2009	109	109	0	0	10,000	(10,000)		(19,414)
2010	22,657	7,692	14,965	14,848	10,000	4,848		(14,566)
2011	60,063	1,292	58,771	25,185	10,000	15,185		619
2012	7,328	0	7,328	7,328	10,000	(2,672)		(2,053)
2013	0	0	0	0	10,000	(10,000)		(12,053)
2014	0	0	0	0	10,000	(10,000)		(22,053)
2015	0	0	0	0	10,000	(10,000)		(32,053)
2016	0	0	0	0	10,000	(10,000)		(42,053)
2017	54,413	2,360	52,053	52,053	10,000	42,053		0
2018	10,122	0	10,122	10,122	10,000	122		122
2019	9,878	0	9,878	9,878	10,000	(122)		0
2020	10,000	0	10,000	10,000	10,000	0		0
2021	0	0	0	0	10,000	(10,000)		(10,000)

(1) Not less than 5,000 acre-feet for any consecutive 5-Year period.

(2) Limit 30,000 acre-feet during any One year.

(3) Gross limit of 60,000 acre-feet.

(4) Pursuant to Article 3.2 of 1976 Agreement No. 76-80; City of Bakersfield carryover credit was 60,000 acre-feet as of January 1, 1976.

STATUS OF CONTRACT

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

Cumulative Miscellaneous Water Balance

Pursuant to June 6, 1976 Agreement No. 76-80

Amended on August 16, 2006 per Agreement No. 06-235

Quantities in acre-feet

Year	(A)	(B)	(C)	(D)	(E)
	TOTAL CITY MISCELLANEOUS WATER	RRBWSD 1/3 SHARE OF MISC.	MISC. WATER DELIVERED TO RRBWSD (1)	OVER (UNDER) 1/3 SHARE	END OF YEAR CUMULATIVE MISC. WATER BALANCE
1977	0	0	0	0	0
1978	75,473	25,158	29,405	4,247	4,247
1979	34,885	11,628	0	(11,628)	(7,381)
1980	81,572	27,191	28,246	1,055	(6,326)
1981	1,634	545	0	(545)	(6,871)
1982	184,335	61,445	37,779	(23,666)	(30,537)
1983	64,686	21,562	12,292	(9,270)	(39,807)
1984	56,816	18,939	20,856	1,917	(37,890)
1985	50,537	16,846	20,694	3,848	(34,042)
1986	161,307	53,769	56,590	2,821	(31,221)
1987	0	0	6,000	6,000	(25,221)
1988	2,157	719	7,845	7,126	(18,095)
1989	3,838	1,279	4,500	3,221	(14,874)
1990	0	0	0	0	(14,874)
1991	0	0	0	0	(14,874)
1992	0	0	0	0	(14,874)
1993	49,610	16,537	16,890	353	(14,521)
1994	0	0	0	0	(14,521)
1995	91,532	30,511	57,383	26,872	12,351
1996	131,683	43,894	38,603	(5,291)	7,060
1997	196,451	65,484	49,226	(16,258)	(9,198)
1998	142,316	47,439	48,695	1,256	(7,942)
1999	1,807	602	200	(402)	(8,344)
2000	1,745	582	758	176	(8,168)
2001	7,024	2,341	795	(1,546)	(9,714)
2002	12,571	4,190	1,946	(2,244)	(11,958)
2003	12,058	4,019	169	(3,850)	(15,808)
2004	2,621	874	0	(874)	(16,682)
2005	108,051	36,017	36,017	0	(16,682)
2006	53,267	17,756	17,643	(113)	(16,795)
2007	256	85	0	(85)	(16,880)
2008	19,950	6,650	0	(6,650)	(23,530)
2009	10,515	3,505	0	(3,505)	(27,035)
2010(2)	76,139	25,379	117	(25,262)	(52,297)
2011(2)	89,153	29,718	10,591	(19,127)	(71,424)
2012	0	0	0	0	(71,424)
2013	0	0	0	0	(71,424)
2014	0	0	0	0	(71,424)
2015	0	0	0	0	(71,424)
2016	0	0	0	0	(71,424)
2017	0	0	47,323	47,323	(24,101)
2018	0	0	0	0	(24,101)
2019	0	0	0	0	(24,101)
2020	0	0	0	0	(24,101)
2021(3)	0	99,776	49,888	(49,888)	(73,989)

Notes:

(1) Includes water delivered pursuant to Article II, Section 2.1 (i) (7) of Agreement No. 76-80, "Failure to Accept Water".

Column (B) = Column (A) x 1/3.

Column (D) = Column (C) minus Column (B).

(2) Includes revised totals of MQW for 2010 and 2011.

(3) Includes lump-sum adjustment per Settlement Agreement and Mutual Release (dated July 1, 2022)

KERN RIVER CANAL & IRRIGATING COMPANY CITY OF BAKERSFIELD

Quantities in acre-feet

Year: 2021

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Release	+ or -	0	0	0	0	0	0	0	0	0	0	0	784	784
ENTITLEMENT + OR - RELEASE	=	0	784	784										
From City of Bakersfield	+	0	0	522	603	432	425	425	444	431	419	336	230	4,267
From NKWSD	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Into Isabella Storage	-	0	0	0	0	0	0	0	0	0	0	0	784	784
From Isabella Storage	+	0	415	0	0	0	0	0	0	0	0	0	0	415
To City of Bakersfield	-	0	0	0	0	0	0	0	0	0	0	0	0	0
To NKWSD (KRC&I 30%)	-	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED AT HEAD	=	0	415	522	603	432	425	425	444	431	419	336	230	4,682
Irrigation Deliveries	-	0	0	0	0	0	0	0	0	0	0	0	0	0
North Garden Treatment Plant	-	0	343	452	544	375	369	365	383	371	359	284	193	4,038
NKWSD at Seventh Standard Line	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Spreading Deliveries	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	-	0	18	8	0	0	0	0	0	0	0	8	7	41
Canal Loss	=	0	54	62	59	57	56	60	61	60	60	44	30	603
Irrigation Delivery Percentage		0%	87%	88%	90%	87%	87%	86%	86%	86%	86%	85%	84%	86%
Into Isabella Storage		0	0	0	0	0	0	0	0	0	0	0	784	784
Isabella Evaporation Loss		6	7	0	0	0	0	0	0	0	0	0	2	15
From Isabella Storage		0	415	0	0	0	0	0	0	0	0	0	0	415
Transfer in Storage		0	0	0	0	0	0	0	0	0	0	0	0	0
End of Month Isabella Storage		422	0	782										

SOUTH FORK DIVERSION RIGHT SUMMARY

Quantities in acre-feet

Year: 2021

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	+	0	0	0	0	0	0	0	0	0	0	0	157	157
Release	+ or -	397	0	0	0	0	0	0	0	0	20	625	343	1,385
Entitlement + or - Releases	=	397	0	20	625	500	1,542							
KDWD Transfer	+	230	583	0	0	0	0	0	0	0	230	0	0	1,043
Into Isabella Storage	-	0	583	0	0	0	0	0	0	0	250	605	500	1,938
From Isabella Storage	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries		0	0	0	0	0	0	0	0	0	0	0	0	0
Old South Fork		0	0	0	0	0	0	0	0	0	0	0	0	0
Panama Ranch		0	0	0	0	0	0	0	0	0	0	0	0	0

Into Isabella Storage	0	583	0	0	0	0	0	0	0	0	250	605	500	1,938
From Isabella Storage	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	627	0	0	0	0	0	0	0	0	0	0	1,438	500	2,565
End of Month Isabella Storage	600	1,183	1,433	600	600									

CITY OF BAKERSFIELD/IMPROVEMENT DISTRICT NO.4

TRUXTUN LAKE EXCHANGE

Status as of December 31, 2021

RECAPITULATION IN ACRE-FEET

Year: 2021

DATE OF TRANSACTION	CITY TO ID4	ID4 TO CITY	EXCHANGE BALANCE
January 2018	0	129	1,196
February 2018	0	119	1,077
March 2018	0	107	970
April 2018	0	0	970
May 2018	0	0	970
June 2018	0	0	970
July 2018	0	0	970
August 2018	0	0	970
September 2018	0	0	970
October 2018	0	0	970
November 2018	0	0	970
December 2018	0	444	526
January 2019	0	0	526
February 2019	0	127	399
March 2019	0	386	13
April 2019	0	0	13
May 2019	0	0	13
June 2019	0	0	13
July 2019	0	0	13
August 2019	0	0	13
September 2019	0	0	13
October 2019	0	0	13
November 2019	0	0	13
December 2019	0	0	13
January 2020	0	0	13
February 2020	0	0	13
March 2020	0	0	13
April 2020	0	0	13
May 2020	0	0	13
June 2020	0	0	13
July 2020	0	0	13
August 2020	0	0	13
September 2020	0	0	13
October 2020	0	0	13
November 2020	0	0	13
December 2020	0	0	13
January 2021	0	0	13
February 2021	0	0	13
March 2021	0	0	13
April 2021	0	0	13
May 2021	0	0	13
June 2020	0	0	13
July 2021	0	0	13
August 2021	0	0	13
September 2021	0	0	13
October 2021	0	0	13
November 2021	0	0	13
December 2021	0	0	13
EXCHANGE TOTALS	0	1,312	

NOTES:

DISCHARGE IN CUBIC FEET PER SECOND

Truxtun Lakes Recharge
(All Sources, All Entities)

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	3	0	0	0	0	0	0	0	0
2	0	0	0	4	0	0	0	0	0	0	0	0
3	0	0	0	4	0	0	0	0	0	0	0	0
4	0	0	0	12	0	0	0	0	0	0	0	0
5	0	0	0	15	0	0	0	0	0	0	0	0
6	0	7	0	12	0	0	0	0	0	0	0	0
7	0	8	0	5	0	0	0	0	0	0	0	0
8	0	5	0	5	0	0	0	0	0	0	0	0
9	0	0	0	5	0	0	0	0	0	0	0	0
10	0	0	0	4	0	0	0	0	0	0	0	0
11	0	0	0	4	0	0	0	0	0	0	0	0
12	0	0	0	4	0	0	0	0	0	0	0	0
13	0	0	0	4	0	0	0	0	0	0	0	0
14	8	0	0	5	0	0	0	0	0	0	0	0
15	0	0	0	5	0	0	0	0	0	0	0	0
16	0	0	0	5	0	0	0	0	0	0	0	0
17	0	0	0	5	0	0	0	0	0	0	0	0
18	17	0	0	5	0	0	0	0	0	0	0	0
19	0	0	0	5	0	0	0	0	0	0	0	0
20	0	0	0	5	0	0	0	0	0	0	0	0
21	0	0	0	5	0	0	0	0	0	0	0	0
22	0	0	0	2	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	4
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	14
28	0	0	0	0	0	0	0	0	0	0	0	20
29	0	-	0	0	0	0	0	0	0	0	0	21
30	0	-	0	0	0	0	0	0	0	0	0	20
31	0	-	0	-	0	-	0	0	-	0	-	20
TOTAL	25	20	0	123	0	0	0	0	0	0	0	99
MAXIMUM DAY	17	8	0	15	0	0	0	0	0	0	0	21
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	0	4	0	0	0	0	0	0	0	3
TOTAL AC. FT.	50	39	0	244	0	0	0	0	0	0	0	197
WHOLE YEAR:-	TOTAL,	267	MAX.,	21	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	530		

DISCHARGE IN CUBIC FEET PER SECOND

**City of Bakersfield Diverted to California Water Service Company
Bakersfield Northeast Water Treatment Plant
Includes KDWD Exchange Deliveries**

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12	13	13	13	13	13	13	12	13	13	10	16
2	12	13	12	12	12	13	13	12	13	12	11	16
3	12	13	12	12	12	13	13	12	13	13	13	16
4	12	13	13	12	13	13	13	13	13	12	11	16
5	12	13	13	13	13	13	13	13	12	13	13	16
6	12	13	13	12	13	13	13	13	12	12	11	16
7	13	13	13	10	13	13	13	12	12	13	13	17
8	13	13	13	13	12	13	13	12	12	12	12	16
9	13	13	13	13	12	12	15	13	13	12	14	4
10	13	13	13	12	13	12	10	12	12	12	14	0
11	13	13	13	13	14	12	13	13	13	12	12	0
12	13	13	13	13	21	12	13	13	12	12	14	0
13	13	13	13	11	20	12	13	13	13	12	16	0
14	13	13	13	12	13	12	12	13	13	12	17	0
15	13	13	13	13	13	12	13	13	12	12	15	1
16	13	13	12	13	13	12	13	13	13	12	14	13
17	13	13	10	13	13	12	13	13	13	12	17	13
18	13	13	12	13	13	13	13	13	12	13	16	12
19	13	13	12	13	13	12	13	13	12	13	14	12
20	13	13	13	13	13	13	13	13	13	13	16	12
21	13	13	13	13	13	12	13	13	13	13	15	13
22	13	13	13	13	13	13	12	13	12	13	16	13
23	13	14	13	13	13	13	12	13	13	13	15	13
24	13	14	13	13	13	13	12	13	13	13	16	13
25	13	14	13	13	13	13	12	13	12	5	17	13
26	13	14	13	12	13	13	12	13	12	13	16	13
27	13	13	13	12	13	13	13	13	12	13	15	12
28	13	13	13	13	13	13	13	13	12	13	15	3
29	13	-	12	13	12	13	12	13	13	13	17	0
30	13	-	13	13	13	13	12	13	13	13	15	0
31	13	-	13	-	13	-	12	13	-	13	-	0
TOTAL	397	368	394	377	414	379	392	397	376	382	430	289
MAXIMUM DAY	13	14	13	13	21	13	15	13	13	13	17	17
MINIMUM DAY	12	13	10	10	12	12	10	12	12	5	10	0
MEAN	13	13	13	13	13	13	13	13	13	12	14	9
TOTAL AC. FT.	788	730	781	747	821	751	778	787	745	758	852	573
WHOLE YEAR:-	TOTAL,	4,595	MAX.,	21	MIN.,	0	MEAN,	13	TOTAL AC.FT.,	9,111		

DISCHARGE IN CUBIC FEET PER SECOND

City of Bakersfield Diverted to California Water Service Company
Kernville Water System

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1	0	1	0	0	1	1	1	1	0	0	0
2	0	0	0	0	0	1	1	0	0	0	0	0
3	0	0	0	0	0	1	1	0	1	0	0	0
4	0	0	0	1	1	0	1	1	0	0	0	1
5	0	1	0	0	0	1	1	1	1	1	1	1
6	1	0	0	0	0	0	0	0	1	0	0	0
7	0	0	0	0	0	0	0	1	0	0	0	0
8	0	0	0	1	1	0	1	0	1	0	0	0
9	1	0	0	1	0	1	0	1	0	0	0	0
10	0	1	0	1	0	0	1	1	0	1	0	0
11	0	0	1	0	0	0	0	1	1	0	0	0
12	0	0	0	0	1	1	1	0	0	0	0	0
13	0	0	0	0	0	1	0	0	1	0	0	0
14	1	1	0	0	0	0	1	1	0	0	1	0
15	0	0	0	0	0	1	0	0	0	1	0	0
16	0	0	1	0	0	1	0	0	1	0	0	0
17	0	0	0	0	1	0	1	0	0	0	1	0
18	0	0	0	1	0	0	0	1	1	0	0	0
19	0	1	0	0	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	1	0	0
21	0	0	1	0	1	0	1	1	0	0	0	1
22	0	0	0	0	0	1	0	1	1	0	0	0
23	0	0	0	1	0	0	0	0	0	0	1	0
24	0	1	0	0	0	0	1	0	0	0	0	0
25	0	0	0	0	0	1	0	0	0	1	0	0
26	0	0	1	0	1	1	0	1	0	0	1	0
27	1	0	0	1	1	0	0	0	1	0	0	1
28	0	0	0	0	1	1	1	0	0	0	1	0
29	0	-	0	0	1	0	0	0	0	0	1	0
30	0	-	0	1	0	0	0	0	0	0	0	0
31	0	-	1	-	1	-	1	1	-	1	-	1
TOTAL	5	5	6	8	10	13	14	13	11	6	7	6
MAXIMUM DAY	1	1	1	1	1	1	1	1	1	1	1	1
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	10	10	12	16	20	26	28	26	22	12	14	13
WHOLE YEAR:-	TOTAL,	104	MAX.,	1	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	209		

DISCHARGE IN CUBIC FEET PER SECOND

**City of Bakersfield Diverted to California Water Service Company
Bakersfield Northwest Water Treatment Plant
Includes KDWD Exchange Deliveries**

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	7	9	7	7	6	6	6	6	6	7
2	0	7	7	8	7	7	7	6	6	6	6	7
3	0	6	7	9	6	0	7	7	7	6	3	6
4	0	6	7	8	6	0	6	6	6	6	6	7
5	0	7	8	9	7	6	6	6	7	6	6	6
6	0	6	7	9	7	6	7	7	6	7	7	7
7	0	7	7	9	7	7	6	6	6	6	6	6
8	0	6	7	9	7	7	7	6	7	6	6	6
9	0	7	7	9	7	7	6	7	6	6	7	0
10	0	1	8	9	7	6	6	6	6	6	7	0
11	0	6	7	9	7	6	6	6	6	7	7	0
12	0	7	7	10	7	7	6	6	6	6	8	0
13	0	6	7	10	7	7	6	6	6	6	8	0
14	0	7	7	10	6	7	6	6	7	7	8	0
15	0	6	7	10	7	7	0	7	6	6	7	0
16	0	7	7	10	7	6	6	6	6	6	8	7
17	0	7	7	10	2	6	6	6	6	6	7	6
18	0	6	7	10	0	7	6	6	6	6	7	6
19	0	7	7	10	6	7	6	6	6	6	7	7
20	0	6	7	10	7	7	6	6	6	1	0	6
21	0	7	7	10	7	6	6	7	7	0	0	6
22	0	6	7	10	6	7	6	6	6	6	0	7
23	0	7	7	11	6	7	6	6	6	7	0	0
24	0	7	7	10	7	7	6	6	6	6	0	0
25	0	7	8	11	7	7	6	6	6	6	0	0
26	0	7	8	7	6	6	6	7	6	7	0	0
27	0	7	8	7	0	6	6	6	6	6	0	0
28	0	7	8	7	7	7	6	6	7	6	1	0
29	0	-	8	7	6	7	6	6	6	6	7	0
30	0	-	9	7	7	6	6	7	7	7	8	0
31	0	-	9	-	6	-	6	6	-	6	-	0
TOTAL	0	173	228	274	189	186	184	193	187	181	143	97
MAXIMUM DAY	0	7	9	11	7	7	7	7	7	7	8	7
MINIMUM DAY	0	0	7	7	0	0	0	6	6	0	0	0
MEAN	0	6	7	9	6	6	6	6	6	6	5	3
TOTAL AC. FT.	0	343	452	544	375	369	365	383	371	359	284	193
WHOLE YEAR:-	TOTAL,	2,035	MAX.,	11	MIN.,	0	MEAN,	6	TOTAL AC.FT.,	4,038		

DISCHARGE IN CUBIC FEET PER SECOND

City of Bakersfield Diverted to Olcese Water District
(Pursuant to Agreement No. 99-05 W.B. dated June 30, 1999)

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	1	1	1	1	2	1	1	2	1	1	1
2	0	1	0	1	1	3	2	1	2	1	1	1
3	0	0	1	1	1	3	1	2	2	1	1	0
4	0	0	0	1	1	1	1	1	2	1	1	1
5	1	1	1	2	2	1	1	1	2	2	1	0
6	0	0	0	1	1	2	1	1	2	1	1	1
7	0	0	1	1	1	2	2	1	2	1	1	1
8	0	0	1	1	1	1	1	1	2	1	1	1
9	0	0	0	1	1	1	1	1	2	1	1	0
10	1	1	1	2	2	1	1	1	2	2	1	1
11	0	0	0	1	1	2	1	1	2	1	1	1
12	0	0	1	1	1	2	1	1	2	2	1	0
13	0	0	0	1	1	1	2	1	2	1	1	0
14	0	0	1	1	1	1	1	1	1	1	1	1
15	1	1	1	2	2	3	1	1	2	2	1	1
16	0	0	1	1	1	2	1	1	1	1	1	0
17	0	0	0	1	1	1	1	1	2	1	1	1
18	0	0	1	1	1	2	2	1	2	1	1	1
19	0	0	0	1	1	1	1	1	1	1	1	0
20	1	1	1	1	2	1	1	1	2	2	2	0
21	0	0	0	2	1	2	1	1	1	1	1	0
22	0	0	0	1	1	1	1	1	2	2	1	1
23	0	0	1	1	2	1	1	1	1	1	1	1
24	0	0	0	1	1	1	2	1	1	1	1	1
25	1	1	0	1	2	1	1	1	2	2	1	0
26	0	0	1	1	1	2	1	1	1	1	2	1
27	0	0	0	1	1	2	1	1	1	1	1	1
28	1	1	0	1	1	2	1	1	1	1	1	1
29	0	-	1	1	1	2	1	1	1	1	1	1
30	0	-	0	1	2	4	1	1	2	2	1	1
31	0	-	1	-	2	-	1	1	-	2	-	0
TOTAL	6	8	16	34	39	51	36	32	50	40	32	20
MAXIMUM DAY	1	1	1	2	2	4	2	2	2	2	2	1
MINIMUM DAY	0	0	0	1	1	1	1	1	1	1	1	0
MEAN	0	0	1	1	1	2	1	1	2	1	1	1
TOTAL AC. FT.	11	16	31	67	77	102	71	63	100	79	63	39
WHOLE YEAR:-	TOTAL,	364	MAX.,	4	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	719		

Total Flow via the Panorama Preserve Headgate

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	1	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	1	1	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	1	0	1	0	0	0	1	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	1	0	-	0	-	0
TOTAL	0	0	1	0	1	1	2	0	2	0	1	0
MAXIMUM DAY	0	0	1	0	1	1	1	0	1	0	1	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	2	0	2	2	4	0	3	0	2	0
WHOLE YEAR:-	TOTAL,	8	MAX.,	1	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	15		

Total Water Spread in City of Bakersfield's 2800 Acre Recharge Facility
DISCHARGE IN CUBIC FEET PER SECOND (All Sources, All Entities)

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	0	MAX.,	0	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0		

Total Flow via the Berrenda Mesa Pipeline at Head

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	4
29	0	-	0	0	0	0	0	0	0	0	0	12
30	0	-	0	0	0	0	0	0	0	0	0	13
31	0	-	0	-	0	-	0	0	-	0	-	12
TOTAL	0	0	0	0	0	0	0	0	0	0	0	41
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	13
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	81
WHOLE YEAR:-	TOTAL,	41	MAX.,	13	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	81		

DISCHARGE IN CUBIC FEET PER SECOND

Park at Riverwalk Recharge
(All Sources, All Entities)

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	1	0	0	0	0	0	0	0	0
17	0	0	0	2	0	0	0	0	0	0	0	0
18	0	0	0	2	0	0	0	0	0	0	0	0
19	0	0	0	2	0	0	0	0	0	0	0	0
20	0	0	0	2	0	0	0	0	0	0	0	0
21	0	0	0	2	0	0	0	0	0	0	0	0
22	0	0	0	2	0	0	0	0	0	0	0	0
23	0	0	0	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	2
29	0	-	0	0	0	0	0	0	0	0	0	2
30	0	-	0	0	0	0	0	0	0	0	0	2
31	0	-	0	-	0	-	0	0	-	0	-	2
TOTAL	0	0	0	14	0	0	0	0	0	0	0	8
MAXIMUM DAY	0	0	0	2	0	0	0	0	0	0	0	2
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	28	0	0	0	0	0	0	0	16
WHOLE YEAR:-	TOTAL,	22	MAX.,	2	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	44		

DISCHARGE IN CUBIC FEET PER SECOND

Aera Park Recharge
(All Sources, All Entities)

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	3
29	0	-	0	0	0	0	0	0	0	0	0	5
30	0	-	0	0	0	0	0	0	0	0	0	5
31	0	-	0	-	0	-	0	0	-	0	-	5
TOTAL	0	0	0	0	0	0	0	0	0	0	0	18
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	5
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	35
WHOLE YEAR:-	TOTAL,	18	MAX.,	5	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	35		

DISCHARGE IN CUBIC FEET PER SECOND

**Cross Valley Canal - Turnout #1 to Kern River Channel
(As reported by Kern County Water Agency)**

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	0	MAX.,	0	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0		

Cross Valley Canal - Turnout #2 to Kern River Channel
(As reported by Kern County Water Agency)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	0	MAX.,	0	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0		

DISCHARGE IN CUBIC FEET PER SECOND

**Cross Valley Canal - Turnout #3 to Kern River Channel
(As reported by Kern County Water Agency)**

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	0	MAX.,	0	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0		

Cross Valley Canal - Turnout #3 to Truxtun Lakes
 (As reported by Kern County Water Agency)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	0	MAX.,	0	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0		

DISCHARGE IN CUBIC FEET PER SECOND

**Cross Valley Canal - Turnout #4 to Kern River Channel
(As reported by Kern County Water Agency)**

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	0	MAX.,	0	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0		

North Kern Water Storage District



WATER STORAGE DISTRICT

NORTH KERN WATER STORAGE DISTRICT

Quantities in acre-feet

Year: 2021

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWS River Entitlement	+	0	0	0	0	42	6	0	0	0	0	1,180	1,228
Release	+/-	2,964	0	0	0	0	0	0	0	100	4,281	8,371	15,716
ENTITLEMENT + OR - RELEASE	=	2,964	0	0	0	42	6	0	0	100	4,281	9,551	16,944
From KRC & Irr. Company	+	0	0	0	0	0	0	0	0	0	0	0	0
From City of Bakersfield (Extension Water)	+	0	0	0	0	0	0	0	0	0	0	0	0
From City of Bakersfield (Borrow/Payback)	+	0	0	0	0	0	0	0	0	0	0	0	0
From Isabella Reservoir Storage	+	0	0	0	454	422	5,186	5,882	1,716	1,322	151	501	516
From Kern Delta WD	+	0	0	0	0	0	0	0	0	0	0	0	0
From CWD/BV Exchange	+	0	0	0	0	0	746	0	0	0	0	0	746
Into Isabella Reservoir Storage	-	546	0	0	0	37	0	0	0	9	522	2,756	3,870
Other	+ or -	0	0	0	0	0	0	0	0	0	0	6	6
TOTAL DIVERTED FROM RIVER	=	2,418	0	0	454	427	5,192	6,628	1,716	1,322	242	4,260	29,976
Loss to Seventh Standard Line	-	26	0	0	14	14	59	61	61	59	14	60	61
NKWS Deep Well Production	+	42	6,234	11,762	16,344	16,467	14,715	15,059	14,134	12,513	11,587	2,166	652
Private Well Production	+	0	0	10	230	3,733	5,056	4,603	2,367	3,525	986	0	0
Other Produced Water	+	740	679	718	737	782	750	802	837	849	839	831	813
SSJMUD via Friant to NKWS	+	0	0	0	0	0	0	0	0	0	0	1,849	1,849
Homer LLC via CVC to NKWS	+	0	0	0	0	0	0	0	0	0	0	0	0
KTWD via CVC to NKWS	+	0	0	0	0	0	0	0	0	0	0	0	0
SWID to NKWS	+	0	0	6	15	0	15	43	43	38	2	0	859
AEWS via Friant to NKWS	+	0	0	0	0	0	0	0	0	0	0	0	0
DEID via Friant	+	0	0	0	0	0	0	0	0	0	0	0	0
Poso Creek	+	0	0	0	0	0	0	0	0	0	0	0	0
Station "A" to Lerdo	+	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DISTRICT SUPPLY	=	3,174	6,913	12,496	17,766	21,395	25,669	27,074	19,036	18,188	13,642	7,197	114,229
Class 1 Irrigation Deliveries	+	36	3,078	4,826	6,963	9,116	12,748	13,900	9,308	8,408	5,688	698	320
Class 2 Irrigation Deliveries	+	156	1,710	2,842	4,437	5,252	6,103	5,760	3,757	3,465	2,653	569	214
NKWS to FK to KTWD	+	0	0	0	0	1,028	926	886	948	954	258	0	0
NKWS to SWID	+	0	49	196	0	0	0	0	404	731	695	496	0
NKWS to Wonderful to SWID	+	0	0	0	984	266	273	280	278	107	0	0	0
NKWS to FK to DEID	+	0	481	1,375	1,160	266	238	225	216	244	1,029	1,777	297
NKWS to FK to SSJMUD	+	0	0	48	647	478	431	396	294	341	365	0	0
RRID	+	0	0	0	0	0	0	0	0	0	0	0	0
NKWS to CWD	+	0	0	0	0	234	262	230	0	0	0	0	0
TOTAL IRRIGATION USE	=	192	5,318	9,287	14,191	16,640	20,981	21,677	15,205	14,250	10,688	3,540	831
District Spreading Ponds (Kern)	+	764	147	0	0	0	0	0	0	0	448	5,701	7,060
District Spreading Ponds (Produced Water)	+	728	392	0	671	56	0	0	0	0	0	240	2,087
District Spreading Ponds (Friant)	+	0	0	0	0	0	0	0	0	0	0	2,116	2,116
District Spreading Ponds (CVC)	+	0	0	0	0	0	0	0	0	0	0	0	0
Poso Creek Spreading	+	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DISTRICT SPREADING	=	1,492	539	0	671	56	0	0	0	0	448	8,057	11,263
TOTAL DISTRICT USE		1,684	5,857	9,287	14,862	16,696	20,981	21,677	15,205	14,250	10,688	3,988	8,888
Total NKWS Canal Loss		1,490	1,056	3,209	2,904	4,699	4,688	5,397	3,831	3,938	2,954	3,209	2,541
		39,916											
Into Reservoir Storage		546	0	0	0	37	0	0	0	9	522	2,756	3,870
Reservoir Evaporation Loss		424	396	575	857	1,057	1,244	1,133	899	619	362	277	143
From Reservoir Storage		0	0	0	454	422	5,186	5,882	1,716	1,322	151	501	516
END OF MONTH RESERVOIR STORAGE		27,423	27,027	26,452	25,141	23,699	17,269	10,254	7,639	5,698	5,194	4,938	7,035

DISCHARGE IN CUBIC FEET PER SECOND

Total Flow via the Beardsley Canal
(At Head of Lined Section)

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	8	10	8	37	144	72	34	31	40	44
2	0	11	8	9	8	37	144	72	36	17	32	34
3	0	9	8	10	7	57	149	50	24	16	68	23
4	0	9	8	9	7	58	152	30	17	42	95	25
5	0	8	9	10	8	73	152	25	18	40	92	41
6	0	8	8	10	8	89	149	24	19	8	98	49
7	0	8	8	10	8	108	123	24	19	7	103	46
8	0	7	8	10	8	114	114	29	17	7	90	42
9	0	8	8	10	8	110	185	28	16	7	64	39
10	0	2	9	10	8	112	206	58	16	7	57	41
11	0	7	8	41	8	96	179	60	36	8	64	72
12	0	8	10	46	8	77	138	61	46	7	67	114
13	0	7	8	46	8	79	107	60	48	7	79	111
14	0	8	8	47	7	76	86	61	48	8	83	141
15	0	7	8	44	8	79	76	59	46	7	83	172
16	0	9	8	11	8	77	77	38	33	7	92	186
17	0	8	8	11	3	76	82	25	19	7	99	182
18	0	7	8	38	0	74	81	25	18	7	99	178
19	53	8	8	43	7	76	79	26	19	7	99	165
20	53	7	9	11	8	81	82	27	18	2	94	169
21	49	8	8	11	8	78	82	39	17	0	93	175
22	56	7	8	11	7	102	82	48	16	7	95	179
23	76	8	8	12	7	123	132	46	14	8	91	181
24	100	8	8	11	8	119	178	39	15	7	88	177
25	91	8	9	12	11	118	239	27	37	7	74	174
26	96	8	9	8	47	124	217	22	48	8	64	175
27	126	8	9	8	41	140	121	17	48	7	56	174
28	136	8	10	8	36	154	98	17	49	7	51	173
29	134	-	9	8	42	145	99	17	47	7	54	175
30	129	-	10	8	42	143	103	30	46	31	53	175
31	120	-	10	-	41	-	82	35	-	53	-	173
TOTAL	1,219	209	263	533	433	2,832	3,938	1,191	884	391	2,317	3,805
MAXIMUM DAY	136	11	10	47	47	154	239	72	49	53	103	186
MINIMUM DAY	0	0	8	8	0	37	76	17	14	0	32	23
MEAN	39	7	8	18	14	94	127	38	29	13	77	123
TOTAL AC. FT.	2,418	415	522	1,057	859	5,617	7,811	2,363	1,753	776	4,596	7,547
WHOLE YEAR:-	TOTAL,	18,015	MAX.,	239	MIN.,	0	MEAN,	49	TOTAL AC.FT.,	35,734		

DISCHARGE IN CUBIC FEET PER SECOND

Total Diverted via
Cross Valley Canal Conduit "A"

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	0	MAX.,	0	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0		

DISCHARGE IN CUBIC FEET PER SECOND

Total Diverted via
Oildale Mutal Water Company Wells

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	6	5	5	6	0	0	0
2	0	0	0	0	0	6	5	5	6	0	0	0
3	0	0	0	0	0	6	5	5	6	0	0	0
4	0	0	0	0	0	6	5	5	6	0	0	0
5	0	0	0	0	0	6	5	5	6	0	0	0
6	0	0	0	0	0	6	5	5	6	0	0	0
7	0	0	0	0	0	6	5	5	6	0	0	0
8	0	0	0	0	0	6	5	5	6	0	0	0
9	0	0	0	0	0	6	5	5	6	0	0	0
10	0	0	0	0	0	6	5	5	6	0	0	0
11	0	0	0	0	0	6	5	5	6	0	0	0
12	0	0	0	0	0	6	5	5	6	0	0	0
13	0	0	0	0	0	6	5	5	6	0	0	0
14	0	0	0	0	0	6	5	5	6	0	0	0
15	0	0	0	0	0	6	5	5	6	0	0	0
16	0	0	0	0	0	6	5	5	6	0	0	0
17	0	0	0	0	6	6	5	5	6	0	0	0
18	0	0	0	0	6	6	5	5	6	0	0	0
19	0	0	0	0	6	6	5	5	6	0	0	0
20	0	0	0	0	6	6	5	5	6	0	0	0
21	0	0	0	0	6	6	5	5	6	0	0	0
22	0	0	0	0	6	6	5	5	6	0	0	0
23	0	0	0	0	6	6	5	5	6	0	0	0
24	0	0	0	0	6	6	5	5	6	0	0	0
25	0	0	0	0	6	6	5	5	6	0	0	0
26	0	0	0	0	6	6	5	5	6	0	0	0
27	0	0	0	0	6	6	5	5	6	0	0	0
28	0	0	0	0	6	6	5	5	6	0	0	0
29	0	-	0	0	6	6	5	5	0	0	0	0
30	0	-	0	0	6	6	5	5	0	0	0	0
31	0	-	0	-	6	-	5	5	-	0	-	0
TOTAL	0	0	0	0	90	180	155	155	168	0	0	0
MAXIMUM DAY	0	0	0	0	6	6	5	5	6	0	0	0
MINIMUM DAY	0	0	0	0	0	6	5	5	0	0	0	0
MEAN	0	0	0	0	3	6	5	5	6	0	0	0
TOTAL AC. FT.	0	0	0	0	179	357	307	307	333	0	0	0
WHOLE YEAR:-	TOTAL,	748	MAX.,	6	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,483		

**NORTH KERN WATER STORAGE DISTRICT
BEARDSLEY CANAL OPERATIONS**

Quantities in acre-feet

Year: 2021

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River	+	2,418	415	522	1,057	859	5,617	7,811	2,363	1,753	776	4,596	7,547	35,734
Well Water Exchange Supply	+	0	0	0	0	179	357	307	307	333	0	0	0	1,483
C.V.C. Conduit "A"	+	0	0	0	0	0	0	0	0	0	0	0	0	0
+ TOTAL BEARDSLEY CANAL SUPPLY	=	2,418	415	522	1,057	1,038	5,974	8,118	2,670	2,086	776	4,596	7,547	37,217
ID4 via C.V.C. Conduit "A" (Reverse Flow)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
- Improvement District No. 4 Diverted	=	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Supply		0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. # 1 Lateral (Total Flow)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. # 4 Lateral	+	0	343	452	544	375	369	365	383	371	359	284	193	4,038
KRC & Irr. Co. # 5 Lateral	+	0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. Bidart Boosters	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss	+	0	54	62	59	57	56	60	61	60	60	44	30	603
- TOTAL KRC & IRR. CO. DIVERTED	=	0	397	514	603	432	425	425	444	431	419	328	223	4,641
Kern River Supply	-	0	397	514	603	432	425	425	444	431	419	328	223	4,641
C.V.C. Conduit "A" Supply	=	0	0	0	0	0	0	0	0	0	0	0	0	0
Cawelo WD via Pump Station "B"	+	0	0	0	0	179	357	1,055	504	333	111	0	0	2,539
Cawelo WD via Pump Station "D"	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Downstream Gates	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss	+	0	0	0	0	0	0	10	6	0	4	0	0	20
Lerdo Canal Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
- TOTAL CAWELO WD DIVERTED	=	0	0	0	0	179	357	1,065	510	333	115	0	0	2,559
Kern River Supply	-	0	0	0	0	0	0	758	203	0	115	0	0	1,076
Well Water Exchange Supply	-	0	0	0	0	179	357	307	307	333	0	0	0	1,483
C.V.C. Conduit "A" Supply	=	0	0	0	0	0	0	0	0	0	0	0	0	0
- Rosedale Ranch ID Diverted	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Supply	-	0	0	0	0	0	0	0	0	0	0	0	0	0
C.V.C. Conduit "A" Supply	=	0	0	0	0	0	0	0	0	0	0	0	0	0
- KRC & Irr. Co. Diverted (Excess)		0	18	8	0	0	0	0	0	0	0	8	7	41
- CWD Diverted via NKWSD		0	0	0	0	0	0	0	0	0	0	0	0	0
- Buena Vista WSD Diverted (SWID)		0	0	0	0	0	0	0	0	0	0	0	0	0
- Lined Section Loss: NKWSD	+	26	0	0	14	14	59	61	61	59	14	60	61	429
= NKWSD FROM LERDO CANAL	+	2,392	0	0	440	413	5,133	6,567	1,655	1,263	228	4,200	7,256	29,547
Kern River Supply	-	2,418	0	0	454	427	5,192	6,628	1,716	1,322	242	4,260	7,317	29,976
Well Water Exchange Supply	-	0	0	0	0	0	0	0	0	0	0	0	0	0
C.V.C. Conduit "A" Supply	=	0	0	0	0	0	0	0	0	0	0	0	0	0

Lerdo Canal at Seventh Standard Line (Total Flow)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	34	141	69	32	23	32	35
2	0	3	0	0	0	34	140	69	34	9	24	25
3	0	2	0	0	0	62	145	46	21	8	63	15
4	0	2	0	0	0	63	149	27	15	33	87	16
5	0	0	0	0	0	71	149	22	15	31	84	33
6	0	1	0	0	0	87	145	20	17	0	89	40
7	0	0	0	0	0	105	120	21	17	0	95	38
8	0	0	0	0	0	111	110	26	14	0	82	34
9	0	0	0	0	0	107	181	24	14	0	55	38
10	0	0	0	0	0	110	202	54	14	0	48	40
11	0	0	0	30	0	94	175	56	34	0	55	71
12	0	0	2	34	0	74	135	57	44	0	57	113
13	0	0	0	34	0	76	104	57	46	0	69	110
14	0	0	0	35	0	73	83	58	45	0	73	140
15	0	0	0	32	0	76	80	55	44	0	74	171
16	0	1	0	0	0	75	74	35	31	0	82	177
17	0	0	0	0	6	74	79	22	17	0	90	174
18	0	0	0	26	6	71	78	22	16	0	90	170
19	52	0	0	31	6	73	76	23	17	0	90	156
20	52	0	1	0	6	78	79	24	16	0	93	161
21	48	0	0	0	6	76	79	35	14	0	92	167
22	55	0	0	0	6	99	79	45	14	0	94	170
23	75	0	0	0	6	120	129	43	12	0	90	180
24	99	0	0	0	6	116	174	36	13	0	87	176
25	90	0	0	0	8	115	235	24	35	0	73	173
26	95	0	0	0	45	122	214	18	46	0	63	174
27	125	0	0	0	46	138	118	14	46	0	55	173
28	135	0	1	0	33	151	95	14	46	0	48	172
29	133	-	0	0	40	142	96	14	39	0	45	174
30	128	-	0	0	39	141	100	26	37	22	43	174
31	119	-	0	-	39	-	79	32	-	45	-	172
TOTAL	1,206	9	4	222	298	2,768	3,843	1,088	805	171	2,122	3,662
MAXIMUM DAY	135	3	2	35	46	151	235	69	46	45	95	180
MINIMUM DAY	0	0	0	0	0	34	74	14	12	0	24	15
MEAN	39	0	0	7	10	92	124	35	27	6	71	118
TOTAL AC. FT.	2,392	18	8	440	592	5,490	7,622	2,159	1,596	339	4,208	7,263
WHOLE YEAR:-	TOTAL,	16,198	MAX.,	235	MIN.,	0	MEAN,	44	TOTAL AC.FT.,	32,127		

NORTH KERN WATER STORAGE DISTRICT LERDO CANAL OPERATIONS

Quantities in acre-feet

Year: 2021

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Total Beardsley Canal Supply +	2,418	415	522	1,057	1,038	5,974	8,118	2,670	2,086	776	4,596	7,547	37,217
C.V.C. Conduit "A" Reverse Flow	0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss: ID4	0	0	0	0	0	0	0	0	0	0	0	0	0
ID4 from Beardsley -	0	0	0	0	0	0	0	0	0	0	0	0	0
+ KRC & Irr. Co. Laterals	0	343	452	544	375	369	365	383	371	359	284	193	4,038
+ KRC & Irr. Co. Boosters	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Lined Section Loss: KRC & Irr. Co.	0	54	62	59	57	56	60	61	60	60	44	30	603
= KRC & Irr. Co. from Beardsley -	0	397	514	603	432	425	425	444	431	419	328	223	4,641
Rosedale Ranch ID via 1-1-0	0	0	0	0	0	0	0	0	0	0	0	0	0
KCWA-ID4 via 1-1-0 Lateral	0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss: Cawelo WD	0	0	0	0	0	0	10	6	0	4	0	0	20
Lined Section Loss: NKWSD	26	0	0	14	14	59	61	61	59	14	60	61	429
Lerdo Canal Total Flow =	2,392	18	8	440	592	5,490	7,622	2,159	1,596	339	4,208	7,263	32,127
+ KRC & Irr. Co. Diverted via C-0-8	0	0	0	0	0	0	0	0	0	0	0	0	0
+ KRC & Irr. Co. City Excess	0	18	8	0	0	0	0	0	0	0	8	7	41
+ BVWSD/SWID Via NKWSD	0	0	0	0	0	0	0	0	0	0	0	0	0
= Others Total from Lerdo -	0	18	8	0	0	0	0	0	0	0	8	7	41
+ Cawelo WD via NKWSD	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Cawelo WD Delivered at Sta. "B"	0	0	0	0	179	357	1,055	504	333	111	0	0	2,539
+ Cawelo WD Lerdo Turnouts	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Cawelo WD Delivered at Sta. "D"	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Lerdo Loss: to Station "B"	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Lerdo Loss: Lerdo Turnout Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
= Cawelo WD Total from Lerdo -	0	0	0	0	179	357	1,055	504	333	111	0	0	2,539
North Kern WSD from Lerdo =	2,392	0	0	440	413	5,133	6,567	1,655	1,263	228	4,200	7,256	29,547

Total Flow via the Calloway Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	34	0	29	63	66	80	0	0	0	0	0	0
2	44	0	47	63	68	75	0	0	0	0	0	0
3	34	0	38	67	65	80	0	0	0	0	0	0
4	37	0	46	63	69	79	0	0	0	0	0	0
5	34	0	39	58	71	86	0	0	0	0	0	0
6	34	0	46	59	70	96	0	0	0	0	0	0
7	29	0	43	62	85	82	0	0	0	0	0	0
8	38	0	44	66	74	82	0	0	0	0	0	0
9	33	0	39	62	70	70	0	0	0	0	0	0
10	36	0	36	75	75	69	0	0	0	0	0	0
11	30	0	48	62	71	71	0	0	0	0	0	0
12	36	0	35	68	66	78	0	0	0	0	0	0
13	34	0	37	67	61	79	0	0	0	0	0	0
14	34	0	37	75	65	75	0	0	0	0	0	0
15	33	0	36	62	70	79	0	0	0	0	0	0
16	36	0	27	69	71	82	0	0	0	0	0	0
17	34	0	39	68	69	73	0	0	0	0	0	0
18	36	0	39	69	76	75	0	0	0	0	0	0
19	30	0	36	68	75	76	0	0	0	0	0	0
20	37	0	29	69	72	75	0	0	0	0	0	0
21	34	0	43	75	72	82	0	0	0	0	0	0
22	31	0	33	65	75	82	0	0	0	0	0	0
23	31	0	37	62	68	79	0	0	0	0	0	0
24	33	0	37	64	69	75	0	0	0	0	0	0
25	32	0	40	46	73	77	0	0	0	0	0	0
26	30	0	51	54	74	80	0	0	0	0	0	0
27	15	0	57	51	77	76	0	0	0	0	0	0
28	0	0	61	58	73	79	0	0	0	0	0	0
29	0	-	59	62	72	79	0	0	0	0	0	0
30	0	-	58	61	74	85	0	0	0	0	0	0
31	0	-	61	-	72	-	0	0	-	0	-	0
TOTAL	899	0	1,307	1,913	2,208	2,356	0	0	0	0	0	0
MAXIMUM DAY	44	0	61	75	85	96	0	0	0	0	0	0
MINIMUM DAY	0	0	27	46	61	69	0	0	0	0	0	0
MEAN	29	0	42	64	71	79	0	0	0	0	0	0
TOTAL AC. FT.	1,783	0	2,592	3,794	4,379	4,674	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	8,683	MAX.,	96	MIN.,	0	MEAN,	24	TOTAL AC.FT.,	17,222		

DISCHARGE IN CUBIC FEET PER SECOND

North Kern via Calloway @ 99 Weir
(Diverted from Kern River Channel)

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	0	MAX.,	0	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0		

Total Diverted to Rosedale Ranch Improvement District

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	0	MAX.,	0	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0		

NORTH KERN WATER STORAGE DISTRICT STATUS OF EXCHANGE

As Reported by North Kern Water Storage District

(subject to revision)

Quantities in acre-feet

Year: 2021

	ARVIN EDISON WSD		CAWELO WD		DELANO EARLMART ID		IMPROVEMENT DISTRICT #4 CAT "A" & "B"		PREMIERE AG. PROPERTIES		KERN-TULARE WD		SOUTHERN SAN - JOAQUIN MUD		ROSEDALE RANCH ID		SEMITROPIC WSD		SHAFTER-WASCO ID		SUN-WORLD HOMER LLC		WEST KERN WD		WONDERFUL FARMING CO.		PACIFIC AG FARMING		SUBURBAN LAND PROPERTIES		Ag Reserves Inc.		B. NEUFELD FARMS		KERN DELTA WD		BUENA VISTA WSD		EXCHANGE TOTALS	
	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from
Prior Year Status	0	0	26,308	0	0	31,986	0	15,477	0	12	0	28,320	0	23,992	30,067	0	0	24,180	0	59,840	0	8,895	0	5,375	0	33,387	0	863	0	0	0	2,475	0	369	0	4,998	0	17,197	56,375	254,891
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	298	0	0	0	0	0	0	0	298
February	0	0	0	0	481	0	0	0	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	530	0
March	0	0	0	0	1,375	0	0	0	0	0	0	0	48	0	0	0	0	0	196	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,619	6
April	0	0	0	0	1,160	0	0	0	0	0	0	0	647	0	0	0	0	0	15	0	0	0	0	0	984	0	0	0	0	0	0	0	0	0	0	0	0	0	2,791	15
May	0	0	234	0	266	0	0	0	0	0	1,028	0	478	0	0	0	0	0	0	0	0	0	0	0	266	0	0	0	0	0	0	0	0	0	0	0	0	0	2,272	0
June	0	0	262	0	238	0	0	0	0	0	926	0	431	0	0	0	0	0	15	0	0	0	0	0	273	0	0	0	0	0	0	0	0	0	0	0	0	0	2,130	15
July	0	0	230	726	225	0	0	0	0	0	886	0	396	0	0	0	0	0	43	1,320	0	0	0	0	280	0	0	0	0	0	0	0	0	0	0	0	0	0	3,337	769
August	0	0	0	0	216	0	0	0	0	0	948	0	294	0	0	0	0	0	404	43	0	0	0	0	278	0	0	0	0	0	0	0	0	0	0	0	0	0	2,140	43
September	0	0	0	0	244	0	0	0	0	0	954	0	341	0	0	0	0	0	731	38	0	0	0	0	107	0	0	0	0	0	0	0	0	0	0	0	0	0	2,377	38
October	0	0	0	0	1,029	0	0	0	0	0	258	0	365	0	0	0	0	0	695	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,347	2
November	0	0	0	0	1,777	0	0	0	0	0	0	0	0	0	0	0	0	0	496	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,273	0
December	0	0	0	0	297	0	0	0	0	0	0	0	1,849	0	0	0	0	0	0	0	859	0	0	0	0	0	0	0	0	0	0	318	0	0	0	0	0	0	297	2,708
Total	0	0	726	726	7,308	0	0	0	0	0	5,000	0	3,000	1,849	0	0	0	0	2,571	1,021	1,320	0	0	0	2,188	0	0	0	0	0	0	616	0	0	0	0	0	0	22,113	4,212
Loss	0	0	0	0	0	0	0	0	0	0	25% loss	462	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Current Status	0	0	26,308	0	0	24,678	0	15,477	0	12	0	23,320	0	22,379	30,067	0	0	24,180	0	58,290	0	7,575	0	5,375	0	31,199	0	863	0	0	0	3,091	0	369	0	4,998	0	17,197	56,375	239,003

NORTH KERN WATER STORAGE DISTRICT IMPROVEMENT DISTRICT NO. 4

WATER EXCHANGE RECAPITULATION

*As Reported by North Kern Water Storage District
(Subject to Revision)*

Quantities in acre-feet

Year: 2021

	CATEGORY "A"		WKWD Portion of CATEGORY "A"		CATEGORY "B"		2006 "HACIENDA" EXCHANGE		2010 "HACIENDA" EXCHANGE	
	to 1)	from	to	from	to	from	to 1)	from	to	from 3)
	<i>Prior Year Status</i>	0	15,477	0	0	0	0	0	0	0
January	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0
<i>Current Status</i>	0	15,477	0	0	0	0	0	0	0	0

1) Includes Isabella Reservoir evaporation loss attributable to exchange supply held within NKWSD Isabella Reservoir storage when applicable.

NORTH KERN WATER STORAGE DISTRICT

IMPROVEMENT DISTRICT NO. 4 WATER EXCHANGE SUMMARY

Status as of 12-31-2021 (Subject to Revision)

Quantities in acre-feet

Pursuant to North Kern WSD/Improvement District #4 Accounting Agreement Dated March 1, 1995								
CATEGORY "A"				CATEGORY "B"				Overall Exchange Balance
Date	NKWSD to ID4	ID4 to NKWSD	Cumulative Exchange Balance	Date	NKWSD to ID4	ID4 to NKWSD	Cumulative Exchange Balance	
1988	12,163	7,796	4,367	1988	0	0	0	4,367
1989	0	0	4,367	1989	0	0	0	4,367
1990	0	1,630	2,737	1990	0	0	0	2,737
1991	0	261	2,476	1991	395	0	395	2,871
1992	0	0	2,476	1992	0	0	395	2,871
1993	12,557	9,434	5,599	1993	0	0	395	5,994
1994	0	0	5,599	1994	0	0	395	5,994
1995	0	8,635	(3,036)	1995	0	0	395	(2,641)
1996	0	0	(3,036)	1996	0	0	395	(2,641)
1997	3,882	0	846	1997	0	0	395	1,241
1998	4,323	0	5,169	1998	0	0	395	5,564
1999	3,748	64,000	(55,083)	1999	0	0	395	(54,688)
2000	4,629	10,000	(60,454)	2000	14,240	11,921	2,714	(57,740)
2001	12,401	0	(48,053)	2001	0	2,714	0	(48,053)
2002	25,110	0	(22,943)	2002	16,491	17,664	(1,173)	(24,116)
2003	12,473	0	(10,470)	2003	1,462	916	(627)	(11,097)
2004	1,995	0	(8,475)	2004	627	0	0	(8,475)
2005	1,840	3,786	(10,421)	2005	11,100	11,100	0	(10,421)
2006	103	20,640	(30,958)	2006	339	879	(540)	(31,498)
2007	3,729	0	(27,229)	2007	0	0	(540)	(27,769)
2008	8,853	0	(18,376)	2008	540	0	0	(18,376)
2009	2,771	10,750	(26,355)	2009	0	0	0	(26,355)
2010	5,184	0	(21,171)	2010	0	0	0	(21,171)
2011	941	0	(20,230)	2011	0	0	0	(20,230)
2012	4,028	0	(16,203)	2012	0	0	0	(16,203)
2013	4,758	4,064	(15,509)	2013	6,055	6,055	0	(15,509)
2014	0	0	(15,509)	2014	698	698	0	(15,509)
2015	32	0	(15,477)	2015	0	0	0	(15,477)
2016	0	0	(15,477)	2016	0	0	0	(15,477)
2017	0	0	(15,477)	2017	0	0	0	(15,477)
2018	0	0	(15,477)	2018	0	0	0	(15,477)
2019	0	0	(15,477)	2019	0	0	0	(15,477)
2020	0	0	(15,477)	2020	0	0	0	(15,477)
2021	0	0	(15,477)	2021	0	0	0	(15,477)
Totals	125,520	140,996		Totals	51,947	51,947		

CATEGORY "A"

Priority

ID4 Priority 3 with figure of ten (10) years used in balance for use in ID4 "Priority equation D".

Point of Delivery

At any location along Cross Valley Canal provided North Kern WSD pays all incremental transportation costs and losses in the Cross Valley Canal. Incremental cost and losses shall not include fixed costs, overhead, and losses that would have occurred whether or not North Kern's water was being transported.

CATEGORY "B"

Priority

ID4 Priority 2.

Point of Delivery

Beardsley Canal.

Excerpt From Priorities and Principles Governing Utilization of ID4 State Project Entitlement For Exchange Paybacks

Priority 2.

Exchanges with stipulated repayment schedules, repayment upon demand and residual amounts from firm regulated sources.

Priority 3.

Mutually agreeable schedules within specified time periods, however as limited by Priority Equation D below.

Priority Equation D.

Paybacks within Priority 3 shall be allocated in proportion to time remaining and amount owed. Each exchanger shall be considered equally with others in Priority 3 up to an amount computed by dividing the total amount owed by the number of years remaining in the term. If ID4 is unable to repay amounts owed in the last year of a Priority 3 payback said amounts will be carried over to the following calendar year and thereafter on a year-to-year basis. However, if amounts owed in Priority 3 are available for payback in the last year of a mutually agreeable repayment term and the exchanger declines payback the amounts owed will be extinguished on December 31st of the last year.

DISCHARGE IN CUBIC FEET PER SECOND

North Kern Water Storage District
Class 1 Irrigation Deliveries

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	6	62	175	39	236	277	97	132	216	11	5
2	0	6	104	145	8	231	224	225	112	125	7	4
3	0	6	137	44	135	264	220	244	182	30	6	9
4	0	14	136	8	169	267	154	156	137	149	8	8
5	0	7	95	96	161	170	182	170	35	137	13	0
6	0	19	24	154	186	17	261	175	159	89	3	50
7	0	0	8	95	205	208	247	154	155	203	0	31
8	1	35	76	179	90	253	257	74	118	178	14	8
9	0	57	116	155	1	267	267	184	153	110	14	7
10	0	64	100	72	180	201	223	209	123	31	17	9
11	0	97	118	4	240	197	115	199	148	67	26	2
12	0	85	94	152	191	208	239	177	50	64	22	0
13	0	22	60	130	162	108	273	164	189	100	21	14
14	0	0	8	138	98	260	259	187	167	115	0	13
15	1	38	81	165	113	262	254	88	110	161	26	0
16	0	92	123	117	16	264	244	162	175	72	28	0
17	0	98	134	60	150	256	276	132	112	0	3	0
18	0	118	157	3	109	276	132	151	144	65	4	0
19	1	94	80	165	212	226	201	178	32	73	16	0
20	0	61	31	144	255	107	184	112	170	130	1	0
21	1	2	1	134	220	236	239	167	185	182	0	0
22	1	101	23	201	167	231	275	48	183	149	33	0
23	0	141	44	187	27	250	294	158	170	95	28	0
24	0	149	103	99	168	236	234	173	188	27	11	0
25	0	132	87	18	185	173	104	146	163	59	0	0
26	6	79	62	135	272	214	215	127	13	11	7	0
27	5	27	19	130	249	89	252	159	150	57	2	2
28	0	2	3	148	259	266	301	137	164	71	4	0
29	0	-	75	153	171	245	224	43	209	61	11	0
30	2	-	138	105	62	209	199	97	211	33	16	0
31	0	-	134	-	96	-	182	200	-	7	-	0
TOTAL	18	1,552	2,433	3,511	4,596	6,427	7,008	4,693	4,239	2,867	352	162
MAXIMUM DAY	6	149	157	201	272	276	301	244	211	216	33	50
MINIMUM DAY	0	0	1	3	1	17	104	43	13	0	0	0
MEAN	1	55	78	117	148	214	226	151	141	92	12	5
TOTAL AC. FT.	36	3,078	4,826	6,963	9,116	12,748	13,900	9,308	8,408	5,688	698	320
WHOLE YEAR:-	TOTAL,	37,858	MAX.,	301	MIN.,	0	MEAN,	104	TOTAL AC.FT.,	75,089		

DISCHARGE IN CUBIC FEET PER SECOND

North Kern Water Storage District
Class 2 Irrigation Deliveries

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	7	71	103	40	110	103	65	95	114	3	6
2	0	3	74	64	11	112	109	51	86	49	6	8
3	0	4	83	26	87	126	82	56	74	14	33	32
4	0	9	91	4	115	140	66	54	65	58	34	12
5	0	12	69	94	114	97	68	107	21	48	22	4
6	6	8	24	143	95	34	117	88	33	24	22	16
7	5	0	2	87	89	39	132	87	48	93	3	25
8	2	20	57	123	47	72	95	45	81	96	12	0
9	0	28	55	58	8	99	98	96	58	92	8	0
10	0	15	53	26	96	117	108	69	42	44	5	3
11	2	41	54	6	103	115	80	68	60	33	6	0
12	0	53	65	110	114	111	85	51	7	47	12	0
13	0	31	30	97	111	79	131	64	58	57	2	0
14	0	0	7	93	117	103	143	95	90	83	3	0
15	0	25	30	145	104	114	136	53	72	72	24	0
16	0	57	47	79	19	125	78	45	49	40	18	0
17	0	58	51	22	120	105	62	34	45	5	22	0
18	0	79	43	5	107	121	92	32	38	30	5	0
19	0	45	38	71	100	142	75	58	10	31	21	0
20	0	18	25	72	74	82	81	62	61	43	3	0
21	0	2	6	92	68	70	100	59	52	90	0	0
22	0	60	19	118	123	102	127	22	65	67	4	0
23	2	70	31	137	39	129	100	63	89	24	2	0
24	2	89	47	63	109	117	92	71	101	7	4	0
25	8	71	35	12	86	117	57	34	53	7	0	0
26	14	52	69	56	115	106	46	82	10	6	0	0
27	12	5	42	84	134	69	79	74	59	12	0	0
28	8	0	6	82	121	118	95	60	95	20	0	1
29	11	-	82	77	104	116	76	9	74	10	6	1
30	7	-	61	88	18	90	115	68	56	14	7	0
31	0	-	66	-	60	-	76	72	-	8	-	0
TOTAL	79	862	1,433	2,237	2,648	3,077	2,904	1,894	1,747	1,338	287	108
MAXIMUM DAY	14	89	91	145	134	142	143	107	101	114	34	32
MINIMUM DAY	0	0	2	4	8	34	46	9	7	5	0	0
MEAN	3	31	46	75	85	103	94	61	58	43	10	3
TOTAL AC. FT.	156	1,710	2,842	4,437	5,252	6,103	5,760	3,757	3,465	2,653	569	214
WHOLE YEAR:-	TOTAL,	18,614	MAX.,	145	MIN.,	0	MEAN,	51	TOTAL AC.FT.,	36,918		

Poso Creek as Measured at Highway "99" (Total Flow)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	0	MAX.,	0	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0		

DISCHARGE IN CUBIC FEET PER SECOND

North Kern Water Storage District
Friant-Kern Canal Pump-In Total Deliveries to NKWSD

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	152
28	0	0	0	0	0	0	0	0	0	0	0	299
29	0	-	0	0	0	0	0	0	0	0	0	307
30	0	-	0	0	0	0	0	0	0	0	0	301
31	0	-	0	-	0	-	0	0	-	0	-	306
TOTAL	0	0	0	0	0	0	0	0	0	0	0	1,365
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	307
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	44
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	2,708
WHOLE YEAR:-	TOTAL,	1,365	MAX.,	307	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	2,708		

DISCHARGE IN CUBIC FEET PER SECOND

**North Kern WSD Diverted to Cawelo Water District
(Does not include Isabella Reservoir evaporation loss)**

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	18	0	0	0	0	0
2	0	0	0	0	0	0	29	0	0	0	0	0
3	0	0	0	0	0	15	29	0	0	0	0	0
4	0	0	0	0	0	29	30	0	0	0	0	0
5	0	0	0	0	0	29	10	0	0	0	0	0
6	0	0	0	0	0	30	0	0	0	0	0	0
7	0	0	0	0	0	29	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	132	116	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	30	30	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	4	4	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	262	230	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	248	MAX.,	30	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	492		

DISCHARGE IN CUBIC FEET PER SECOND

North Kern Water Storage District
Exchange Deliveries via/for Shafter-Wasco ID

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	22	10	14	0
2	0	0	0	0	0	0	0	0	23	10	17	0
3	0	0	0	0	0	0	0	0	24	9	18	0
4	0	0	0	0	0	0	0	0	8	10	16	0
5	0	0	5	0	0	0	0	0	8	18	4	0
6	0	0	5	0	0	0	0	0	8	19	0	0
7	0	0	4	0	0	0	0	0	8	20	0	0
8	0	0	5	0	0	0	0	0	18	18	6	0
9	0	0	4	0	0	0	0	5	20	5	16	0
10	0	0	5	0	0	0	0	5	24	9	20	0
11	0	0	5	0	0	0	0	8	26	11	19	0
12	0	5	4	0	0	0	0	16	19	18	17	0
13	0	5	0	0	0	0	0	15	8	18	5	0
14	0	4	0	0	0	0	0	0	9	20	5	0
15	0	4	5	0	0	0	0	0	8	19	5	0
16	0	0	5	0	0	0	0	5	9	4	13	0
17	0	0	5	0	0	0	0	12	4	15	11	0
18	0	0	4	0	0	0	0	15	9	10	13	0
19	0	0	5	0	0	0	0	17	10	20	4	0
20	0	0	0	0	0	0	0	15	10	18	4	0
21	0	0	0	0	0	0	0	3	10	15	5	0
22	0	0	0	0	0	0	0	3	10	17	27	0
23	0	0	0	0	0	0	0	6	9	4	7	0
24	0	2	5	0	0	0	0	7	9	4	4	0
25	0	2	5	0	0	0	0	16	9	5	0	0
26	0	2	5	0	0	0	0	15	6	8	0	0
27	0	0	5	0	0	0	0	15	10	7	0	0
28	0	0	5	0	0	0	0	3	10	7	0	0
29	0	-	4	0	0	0	0	3	10	5	0	0
30	0	-	5	0	0	0	0	6	11	0	0	0
31	0	-	4	-	0	-	0	14	-	0	-	0
TOTAL	0	24	99	0	0	0	0	204	369	351	250	0
MAXIMUM DAY	0	5	5	0	0	0	0	17	26	20	27	0
MINIMUM DAY	0	0	0	0	0	0	0	0	4	0	0	0
MEAN	0	1	3	0	0	0	0	7	12	11	8	0
TOTAL AC. FT.	0	49	196	0	0	0	0	405	731	695	496	0
WHOLE YEAR:-	TOTAL,	1,297	MAX.,	27	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	2,572		

DISCHARGE IN CUBIC FEET PER SECOND

**North Kern Water Storage District
Exchange Deliveries via/for DEID**

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	23	22	4	4	4	4	4	4	31	28
2	0	0	22	20	5	4	4	4	4	7	29	25
3	0	0	23	20	4	4	4	4	4	2	25	29
4	0	0	22	19	5	4	5	3	4	5	36	21
5	0	0	23	21	4	4	4	4	4	4	26	25
6	0	0	22	21	4	4	4	4	6	2	29	21
7	0	0	23	17	5	4	4	3	4	7	33	0
8	0	0	22	21	4	4	4	4	4	5	29	0
9	0	0	22	19	6	4	3	3	4	19	31	0
10	0	0	22	17	3	4	3	3	4	21	28	0
11	0	0	22	24	4	4	3	3	4	20	33	0
12	0	0	23	19	5	4	4	4	6	20	27	0
13	0	0	22	20	4	5	3	3	4	17	29	0
14	0	0	23	20	6	4	3	3	3	23	25	0
15	0	0	22	16	3	4	4	3	4	18	37	0
16	0	0	23	26	3	4	3	2	4	26	27	0
17	0	16	22	16	4	4	4	4	4	20	27	0
18	0	17	23	19	4	4	3	4	4	21	35	0
19	0	21	22	21	5	4	3	4	4	19	23	0
20	0	15	17	18	5	5	3	4	4	20	31	0
21	0	21	23	17	4	4	3	3	4	21	37	0
22	0	20	23	21	5	4	3	3	4	18	22	0
23	0	22	23	17	4	5	4	2	5	21	31	0
24	0	24	23	21	4	4	4	4	4	22	33	0
25	0	23	21	20	4	5	3	5	4	23	33	0
26	0	19	23	21	4	3	5	3	4	23	30	0
27	0	22	22	19	5	4	3	3	4	23	31	0
28	0	23	23	17	4	3	4	4	3	22	25	0
29	0	-	23	17	4	4	5	4	4	23	30	0
30	0	-	23	19	5	2	4	4	4	18	33	0
31	0	-	23	-	4	-	3	4	-	25	-	0
TOTAL	0	243	693	585	134	120	113	109	123	519	896	149
MAXIMUM DAY	0	24	23	26	6	5	5	5	6	26	37	29
MINIMUM DAY	0	0	17	16	3	2	3	2	3	2	22	0
MEAN	0	9	22	20	4	4	4	4	4	17	30	5
TOTAL AC. FT.	0	481	1,375	1,160	266	238	225	216	244	1,029	1,777	297
WHOLE YEAR:-	TOTAL,	3,684	MAX.,	37	MIN.,	0	MEAN,	10	TOTAL AC.FT.,	7,308		

DISCHARGE IN CUBIC FEET PER SECOND

North Kern Water Storage District
Exchange Deliveries via/for SSJMUD

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	13	7	8	8	5	6	6	0	0
2	0	0	0	11	9	8	7	5	6	6	0	0
3	0	0	0	12	6	7	6	5	6	6	0	0
4	0	0	0	11	8	7	8	5	6	7	0	0
5	0	0	0	11	8	8	7	5	6	6	0	0
6	0	0	0	12	7	8	7	4	6	6	0	0
7	0	0	0	9	8	8	7	5	5	7	0	0
8	0	0	0	11	8	8	7	5	6	6	0	0
9	0	0	0	11	11	7	4	4	6	6	0	0
10	0	0	0	9	6	7	6	5	6	6	0	0
11	0	0	0	14	6	7	6	5	5	6	0	0
12	0	0	0	11	9	7	7	5	6	6	0	0
13	0	0	0	11	8	8	6	4	6	5	0	0
14	0	0	0	11	12	7	6	5	5	7	0	0
15	0	0	0	9	6	8	7	5	6	5	0	0
16	0	0	0	14	7	7	6	4	6	7	0	0
17	0	0	0	9	8	6	6	5	6	5	0	0
18	0	0	0	10	7	7	6	6	6	6	0	0
19	0	0	0	12	8	7	6	4	6	5	0	0
20	0	0	0	10	7	9	6	4	6	5	0	0
21	0	0	0	10	7	7	6	4	6	5	0	0
22	0	0	0	12	8	6	5	4	5	5	0	0
23	0	0	0	10	8	8	6	4	6	6	0	0
24	0	0	0	12	8	7	6	5	6	6	0	0
25	0	0	0	11	8	10	7	6	5	6	0	0
26	0	0	0	12	8	4	8	5	6	6	0	0
27	0	0	0	10	8	8	5	5	5	6	0	0
28	0	0	0	9	7	6	7	5	4	6	0	0
29	0	-	5	9	7	7	8	5	6	6	0	0
30	0	-	9	10	9	5	7	5	6	5	0	0
31	0	-	10	-	7	-	6	5	-	8	-	0
TOTAL	0	0	24	326	241	217	200	148	172	184	0	0
MAXIMUM DAY	0	0	10	14	12	10	8	6	6	8	0	0
MINIMUM DAY	0	0	0	9	6	4	4	4	4	5	0	0
MEAN	0	0	1	11	8	7	6	5	6	6	0	0
TOTAL AC. FT.	0	0	48	647	478	431	396	294	341	365	0	0
WHOLE YEAR:-	TOTAL,	1,512	MAX.,	14	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	3,000		

DISCHARGE IN CUBIC FEET PER SECOND

**North Kern Water Storage District
Exchange Deliveries via/for Kern-Tulare WD**

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	15	17	17	16	16	16	0	0
2	0	0	0	0	20	17	17	18	15	15	0	0
3	0	0	0	0	13	15	15	16	17	17	0	0
4	0	0	0	0	17	16	18	15	17	17	0	0
5	0	0	0	0	17	16	16	17	17	17	0	0
6	0	0	0	0	16	17	15	13	18	18	0	0
7	0	0	0	0	17	16	17	16	15	15	0	0
8	0	0	0	0	18	17	15	16	17	15	0	0
9	0	0	0	0	24	15	9	13	17	0	0	0
10	0	0	0	0	12	15	12	15	16	0	0	0
11	0	0	0	0	14	16	13	15	16	0	0	0
12	0	0	0	0	20	15	14	15	18	0	0	0
13	0	0	0	0	17	17	13	14	15	0	0	0
14	0	0	0	0	25	16	14	16	13	0	0	0
15	0	0	0	0	13	16	14	15	17	0	0	0
16	0	0	0	0	14	16	13	12	17	0	0	0
17	0	0	0	0	17	14	14	15	16	0	0	0
18	0	0	0	0	16	14	13	18	16	0	0	0
19	0	0	0	0	17	15	13	14	16	0	0	0
20	0	0	0	0	16	20	14	13	16	0	0	0
21	0	0	0	0	14	16	14	13	18	0	0	0
22	0	0	0	0	18	13	11	12	14	0	0	0
23	0	0	0	0	17	18	14	12	17	0	0	0
24	0	0	0	0	16	16	15	18	15	0	0	0
25	0	0	0	0	16	21	15	20	15	0	0	0
26	0	0	0	0	17	10	19	16	18	0	0	0
27	0	0	0	0	17	16	12	16	18	0	0	0
28	0	0	0	0	15	12	14	17	14	0	0	0
29	0	-	0	0	14	15	18	18	12	0	0	0
30	0	-	0	0	20	10	15	18	15	0	0	0
31	0	-	0	-	16	-	14	16	-	0	-	0
TOTAL	0	0	0	0	518	467	447	478	481	130	0	0
MAXIMUM DAY	0	0	0	0	25	21	19	20	18	18	0	0
MINIMUM DAY	0	0	0	0	12	10	9	12	12	0	0	0
MEAN	0	0	0	0	17	16	14	15	16	4	0	0
TOTAL AC. FT.	0	0	0	0	1,028	926	886	948	954	258	0	0
WHOLE YEAR:-	TOTAL,	2,521	MAX.,	25	MIN.,	0	MEAN,	7	TOTAL AC.FT.,	5,000		

Long Term Recapitulation
BORROW/PAYBACK WATER EXCHANGE BETWEEN
NORTH KERN WSD and CITY OF BAKERSFIELD

Quantities in acre-feet

Year: 2021

<u>YEAR</u>	<u>NKWSD TO CITY</u>	<u>CITY TO NKWSD</u>	<u>END OF YEAR RUNNING BALANCE (City owes NKWSD)</u>
1962	0	0	323 (1)
1963	35,025	24,094 (2)	11,254
1964	16,200	50,649	(23,195)
1965	46,532	11,783	11,554
1966	27,669	43,130	(3,907)
1967	18,836	18,799	(3,870)
1968	50,370	62,220	(15,720)
1969	5,084	0	(10,636)
1970	43,496	57,887	(25,027)
1971	44,186	49,056	(29,897)
1972	16,250	10,157	(23,804)
1973	493	0	(23,311)
1974	0	0	(23,311)
1975	5,585	0	(17,726)
1976	0	0	(17,726)
1977	2,054	0	(15,672)
1978	30,517	0	14,845
1979	0	10,000	4,845
1980	14,765	0	19,610
1981	184	5,318	14,476
1982	10,224	0	24,700
1983	0	0	24,700
1984	10,192	10,000	24,892
1985	9,550	10,000	24,442
1986	5,000	0	29,442
1987	2,448	7,500	24,390
1988	8,379	1,877	30,892
1989	5,848	3,877	32,863
1990	1,552	716	33,699
1991	8,763	985	41,477
1992	3,522	4,276	40,723
1993	24,872	17,292	48,303
1994	3,938	2,981	49,260
1995	7,966	934	56,292
1996	5,669	0	61,961
1997	0	10,000	51,961
1998	0	0	51,961
1999	590	10,000	42,551
2000	6,366	10,000	38,917
2001	4,791	4,549	39,159
2002	2,959	6,333	35,785
2003	6,175	7,869	34,091
2004	3,342	0	37,433
2005	0	0	37,433
2006	2,990	3,021	37,402
2007	7,434	157	44,679
2008	0	0	44,679
2009	0	0	44,679
2010	0	0	44,679
2011	0	0	44,679
2012	1,574	0	46,253
2013	0	0	46,253
2014	0	0	46,253
2015	0	0	46,253
2016	0	0	46,253
2017	0	13,532	32,721
2018	0	0	32,721
2019	0	5,000	27,721
2020	0	0	27,721
2021	0	22,459 (3)	5,262

Notes:

- (1) Carryover from Buena Vista WSD/North Kern WSD River Program Agreement assumed by Conduit (City) as part of Agreement.
- (2) First transaction under NKWSD/Conduit (City) Borrow/Payback Exchange executed in March of 1963.
- (3) 22,459 acre-feet adjustment to the City and North Kern WSD's Borrow-Payback balance as stated in the Central Records Memorandum of Understanding Between City of Bakersfield and North Kern Water Storage District, December 31, 2021

**WATER EXCHANGE BETWEEN
NORTH KERN WSD and CITY OF BAKERSFIELD
THREE YEAR RECAPITULATION**

Quantities in acre-feet

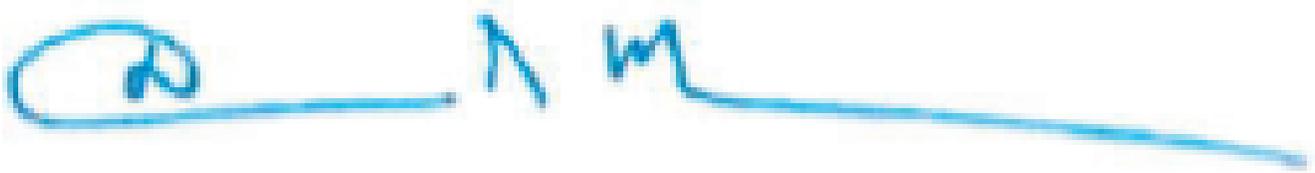
2019	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWSD to CITY	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY to NKWSD	0	0	0	0	0	0	0	177	4,823	0	0	0	5,000
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	32,721	32,721	32,721	32,721	32,721	32,721	32,721	32,544	27,721	27,721	27,721	27,721	

2020	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWSD to CITY	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY to NKWSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	27,721	27,721	27,721	27,721	27,721	27,721	27,721	27,721	27,721	27,721	27,721	27,721	

2021	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWSD to CITY	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY to NKWSD*	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	27,721	27,721	27,721	27,721	27,721	27,721	27,721	27,721	27,721	27,721	27,721	5,262	

22,459 acft adjustment for 2019, to the City and North Kern WSD's Borrow Payback balance as stated in Central Records Memorandum of Understanding between City of Bakersfield and North Kern Water Storage District (dated December 31,2021)*

WATERMASTER SUMMARIES AND COST ALLOCATIONS

A handwritten signature in blue ink, appearing to read 'D. N. W.', is written across the bottom of the page. The signature is stylized and includes a long horizontal line extending to the right.

CARRIER CANAL ABOVE FOUR WEIRS - ALLOCATION
Utilization of Water - Preceding Five Years

Pursuant to Kern Delta Water District/City of Bakersfield Common Use Agreement dated January 1, 1994

Quantities in acre-feet

Year: 2021

						Five Year	Allocation
	2017	2018	2019	2020	2021	Total	Percentage
Carrier Canal at Head	306,421	207,823	266,225	166,231	128,367	1,075,067	99.90%
Oilfield Discharge	0	0	0	0	0	0	0.00%
Storm Drain Inflow	549	69	251	206	31	1,106	0.10%
TOTAL CARRIER CANAL FLOW	306,970	207,892	266,476	166,437	128,398	1,076,173	100.00%
Kern Island Canal (1)	133,095	119,001	138,329	101,962	67,641	560,028	52.04%
Eastside Canal	29,583	18,642	32,165	18,950	16,561	115,901	10.77%
Kern Delta WD via Levee #1	107,362	37,212	40,314	16,124	27,215	228,227	21.21%
KERN DELTA WATER DISTRICT TOTAL	270,040	174,855	210,808	137,036	111,417	904,156	84.01%
Via Kern Island Canal	0	0	0	0	0	0	0.00%
Carrier Waste Gate	5,678	0	0	0	0	5,678	0.53%
Kern River Conduit via Levee #1	31,252	33,037	55,668	29,401	16,981	166,339	15.46%
CITY OF BAKERSFIELD TOTAL	36,930	33,037	55,668	29,401	16,981	172,017	15.99%

Notes: (1) Includes Carrier Canal initial filling loss when applicable.

CARRIER CANAL BELOW FOUR WEIRS - ALLOCATION
Utilization of Water - Preceding Five Years

Quantities in acre-feet

Year: 2021

	2017	2018	2019	2020	2021	Five Year Total	Allocation Percentage
TOTAL CARRIER CANAL FLOW (1)	360,803	130,644	272,012	105,705	25,532	894,696	100.00%
Stine Canal Total Diverted (2)	45,260	13,943	50,222	10,996	1,817	122,238	13.66%
Arvin-Edison Turnout Total Diverted (2)	375	0	0	0	0	375	0.04%
Buena Vista Canal Total Diverted (2)	61,881	23,253	58,716	22,331	6,757	172,938	19.33%
River Canal Total Diverted (3)	0	0	0	0	0	0	0.00%
KERN DELTA WATER DISTRICT TOTAL DIVERTED FROM CARRIER CANAL	107,516	37,196	108,938	33,327	8,574	295,551	33.03%
KERN RIVER CONDUIT (City of Bakersfield)	253,287	93,448	163,074	72,378	16,958	599,145	66.97%

Notes: (1) Sum of Carrier Canal flow at Oak Street, Truxtun Lake inflow (CVC water) and River Canal inflow.

(2) Sum of headgate diversion and share of Carrier Canal loss.

(3) Includes diversions to Pioneer Project via River Canal.

CALLOWAY AND BEARDSLEY CANALS

Allocation of Joint Accounts 2021

CALLOWAY CANAL USED

Preceding Ten Years

Year	Diverted via Calloway Canal				
	NKWSD	CITY	Subtotal	ID4	TOTAL
2012	5,095	172	5,267	25,273	30,540
2013	0	0	0	23,247	23,247
2014	166	0	166	8,356	8,522
2015	0	0	0	0	0
2016	0	0	0	27,640	27,640
2017	100,519	4,985	105,504	38,833	144,337
2018	8,321	8,454	16,775	26,986	43,761
2019	55,914	12,888	68,802	35,650	104,452
2020	0	7,380	7,380	26,092	33,472
2021	0	1,383	1,383	15,839	17,222
Total	170,015	35,262	205,277	227,916	433,193
Percent	82.82%	17.18%	100.00%		

BEARDSLEY CANAL USED

Preceding Five Years

Year	Diverted via Beardsley Canal						
	North Kern Water Storage District			CITY	Subtotal	CWD/Other	TOTAL
	NKWSD	RRID	TOTAL				
2017	250,954	0	250,954	8,858	259,812	78,762	53,962
2018	84,998	0	84,998	6,934	91,932	16,523	338,574
2019	175,479	0	175,479	8,554	184,033	69,214	108,455
2020	48,004	0	48,004	7,273	55,277	12,835	68,112
2021	29,230	0	29,230	4,682	33,912	3,305	37,217
Total	588,665	0	588,665	36,301	624,966	180,639	606,320
Percent	94.19%	0.00%	94.19%	5.81%	100.00%		

HYDROGRAPHIC SUMMARY
UTILIZATION OF WATER - FIRST POINT GROUP - PRECEDING FIVE YEARS

Quantities in acre-feet

Year: 2021

Canal	2017	2018	2019	2020	2021	Five Year	
						Total	Percentage
Kern Island	133,095	129,066	143,950	100,739	71,151	578,001	19.95%
Eastside	29,583	18,395	28,760	18,949	16,561	112,248	3.87%
Buena Vista	61,324	10,044	45,361	10,675	2,265	129,669	4.48%
Stine	45,113	10,644	34,091	15,734	1,464	107,046	3.70%
Farmers	20,928	6,691	25,516	6,849	1,009	60,993	2.11%
Subtotal Kern Delta WD	290,043	174,840	277,678	152,946	92,450	987,957	34.11%
City of Bakersfield	483,603	40,797	355,642	46,236	697	926,975	32.00%
K.R.C. & I. Co. (Beardsley)	20,608	7,543	8,554	7,936	4,682	49,323	1.70%
Central - I.D. #4 (Calloway)	27,250	35,440	35,650	33,472	17,222	149,034	5.14%
James	0	0	0	0	0	0	0.00%
Pioneer	0	0	0	0	0	0	0.00%
Subtotal City of Bakersfield	531,461	83,780	399,846	87,644	22,601	1,125,332	38.84%
North Kern WSD	334,371	101,599	258,602	57,995	31,052	783,619	27.05%
Total First Point Group	1,155,875	360,219	936,126	298,585	146,103	2,896,908	100.00%
South Fork	0	0	0	0	0		
First Point Passing 2nd Point	10,121	0	341	0	0		
River Loss and Spreading	126,957	42,772	99,897	49,029	18,752		
Flow Above First Point	21,768	11,291	11,491	13,061	11,361		
Total 1st Point Group Diverted	1,314,721	414,282	1,047,855	360,675	176,216		

- Note:
**ALL FIGURES REFLECT
GROSS DIVERSIONS...**

**KERN RIVER WATERMASTER
ISABELLA RESERVOIR INTER-DISTRICT RENTAL CHARGES**

-- Pursuant to paragraph 9e, pages 10 and 11 of
Kern River Water Rights and Storage Agreement,
dated December 31, 1962

COMPUTED YEAR: 2021

Year	Acre-Foot Days of Irrigation Storage			Isabella O&M Charges (2)
	NKWSD (1)	BVWSD	Total A.F.D.	
2017	58,070,134	20,899,329	78,969,463	\$267,475
2018	30,617,701	13,669,772	44,287,473	\$267,475
2019	50,816,610	17,106,748	67,923,358	\$347,958
2020	29,087,476	15,340,662	44,428,138	\$347,958
2021	10,109,883	5,779,385	15,889,268	\$347,958
5-Year Totals	178,701,804	72,795,896	251,497,700	\$1,578,824

- Interest/Rental Charge on Storage Purchase..... \$1,143,250
(Paragraph 9e, pages 10 and 11)

- Total 5-Year Operation & Interest Charge..... \$2,722,074

Total 5-Year Cost = \$2,722,074 = \$0.0108235

Total 5-Year Use = 251,497,700 Rental Charge
Per
Acre-Foot Day

TOTAL 2021 HACIENDA WD Acre-Foot Storage Days = 25,724

TOTAL 2021 HACIENDA WD Share of 2020 Storage Costs = \$278.42

(1) Includes Hacienda Water District Storage when such storage occurs...

(2) \$ 32,603 per year through 1973; \$ 66,038 per year 1974 through 1978;
\$ 91,598 per year 1979 through 1983; \$159,115 per year 1984 through
1988; \$151,324 per year 1989 through 1993; \$142,254 per year 1994
through 1998; \$390,887 per year 1999 through 2003; \$ 71,928 per year
2004 through 2008; \$304,878 per year 2009 through 2014 (includes
contract administration charges by the U.S.B.R.). \$267,475 per year
2014 through 2018 (includes contract administration charges by
the U.S.B.R.), \$347,958 per year 2019-2023 (includes contract
administration charges by the U.S.B.R.)

KERN COUNTY RECREATION POOL REPORT FROM THE KERN RIVER WATERMASTER

Quantities in acre-feet
except where noted...

Year: 2021

	Total Storage in Reservoir	Total Water Surface Area (Acres)	Area Attributable to Rec. Pool (Acres)	Total Reservoir Loss	County of Kern	
					Ming Lake Net Inflow	Recreation Pool Loss
End of Previous Year	96,599	4,096	955			
January	96,108	4,081	955	954	16	220
February	94,970	4,048	960	901	16	210
March	93,882	4,015	965	1,313	44	319
April	91,298	3,937	980	1,987	60	484
May	94,525	4,034	965	2,698	77	645
June	74,494	3,406	1,065	3,130	105	855
July	60,621	2,934	1,160	2,908	127	1,031
August	55,011	2,733	1,205	2,581	121	1,087
September	51,541	2,606	1,240	1,939	91	885
October	50,712	2,575	1,245	1,238	65	601
November	49,893	2,544	1,255	992	42	482
December	52,644	2,647	1,230	494	26	234
TOTALS				21,135	790	7,053

ISABELLA RESERVOIR RECREATION POOL:

15,125 S.F.D.

30,000 ACRE-FEET

NOTE: Storage & Area quantities reflect last day of month

REPORT OF THE KERN RIVER WATERMASTER

SUMMARY OF KERN RIVER RUNOFF

Quantities in acre-feet

Year: 2021

	2021 CALENDAR YEAR				
	FIRST POINT		ENTITLEMENT		
	REGULATED	NATURAL	NKWSD	BVWSD	HWD
JANUARY	13,594	14,057	14,057	0	0
To Date	13,594	14,057	14,057	0	0
FEBRUARY	15,750	15,513	15,513	0	0
	29,344	29,570	29,570	0	0
MARCH	16,470	16,695	16,576	119	0
	45,814	46,265	46,146	119	0
APRIL	23,127	22,530	21,034	1,496	0
	68,941	68,795	67,180	1,615	0
MAY	22,109	28,034	24,950	3,084	0
	91,050	96,829	92,130	4,699	0
JUNE	29,544	12,643	12,536	107	0
	120,594	109,472	104,666	4,806	0
JULY	18,195	7,230	7,230	0	0
	138,789	116,702	111,896	4,806	0
AUGUST	8,894	5,865	5,865	0	0
	147,683	122,567	117,761	4,806	0
SEPTEMBER	6,438	4,907	4,907	0	0
	154,121	127,474	122,668	4,806	0
OCTOBER	7,876	8,285	8,285	0	0
	161,997	135,759	130,953	4,806	0
NOVEMBER	10,189	10,362	10,362	0	0
	172,186	146,121	141,315	4,806	0
DECEMBER	14,461	17,706	17,706	0	0
Year	186,647	163,827	159,021	4,806	0

1894 to 2021 Mean April-July Runoff = 458,356 acre-feet (100% of Average)
 2021 April-July Runoff = 70,437 (15% of Average)

	2020-2021 WATER YEAR				
	FIRST POINT		ENTITLEMENT		
	REGULATED	NATURAL	NKWSD	BVWSD	HWD
OCTOBER	10,156	8,769	8,769	0	0
To Date	10,156	8,769	8,769	0	0
NOVEMBER	9,209	10,338	10,338	0	0
	19,365	19,107	19,107	0	0
DECEMBER	11,510	11,802	11,802	0	0
	30,875	30,909	30,909	0	0
JANUARY	13,594	14,057	14,057	0	0
	44,469	44,966	44,966	0	0
FEBRUARY	15,750	15,513	15,513	0	0
	60,219	60,479	60,479	0	0
MARCH	16,470	16,695	16,576	119	0
	76,689	77,174	77,055	119	0
APRIL	23,127	22,530	21,034	1,496	0
	99,816	99,704	98,089	1,615	0
MAY	22,109	28,034	24,950	3,084	0
	121,925	127,738	123,039	4,699	0
JUNE	29,544	12,643	12,536	107	0
	151,469	140,381	135,575	4,806	0
JULY	18,195	7,230	7,230	0	0
	169,664	147,611	142,805	4,806	0
AUGUST	8,894	5,865	5,865	0	0
	178,558	153,476	148,670	4,806	0
SEPTEMBER	6,438	4,907	4,907	0	0
Year	184,996	158,383	153,577	4,806	0

1894 to 2021 Mean March-October Runoff = 588,564 acre-feet (100% of Average)
 2021 March-October Runoff = 106,298 acre-feet (18% of Average)

QUANTITIES IN ACRE-FEET

Isabella Dam & Reservoir
Midnight Storage Recapitulation

Year: 2021

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	96,558	96,108	94,889	93,761	91,140	93,922	73,951	60,416	54,820	51,489	50,661	49,842
2	96,476	96,108	94,808	93,641	91,652	93,281	73,376	60,153	54,657	51,437	50,609	49,817
3	96,599	96,149	94,606	93,681	91,929	92,603	72,738	59,920	54,575	51,333	50,558	49,791
4	96,435	96,108	94,606	93,801	92,127	92,127	72,071	59,688	54,494	51,177	50,532	49,791
5	96,517	95,986	94,485	93,641	92,603	91,494	71,408	59,369	54,412	51,047	50,481	49,766
6	96,517	95,904	94,404	93,601	93,121	90,708	70,781	59,081	54,304	51,022	50,352	49,614
7	96,435	95,741	94,325	93,400	93,601	89,849	70,290	58,908	54,196	50,970	50,301	49,639
8	96,272	95,701	94,284	93,321	94,043	88,957	69,769	58,735	54,115	50,867	50,275	49,614
9	96,313	95,619	94,284	93,241	94,404	87,994	69,218	58,535	54,196	50,841	50,275	49,639
10	96,190	95,660	94,404	93,321	94,808	87,153	68,638	58,278	54,061	50,815	50,327	49,614
11	96,068	95,578	94,404	93,281	95,092	86,318	68,126	58,050	53,845	50,738	50,378	49,563
12	95,945	95,701	94,404	93,241	95,375	85,600	67,712	57,851	53,630	50,712	50,352	49,487
13	95,904	95,741	94,325	93,121	95,701	84,925	67,426	57,597	53,469	50,661	50,352	49,513
14	95,904	95,660	94,284	93,002	95,864	84,366	67,078	57,427	53,309	50,686	50,352	49,817
15	95,864	95,701	94,284	93,002	96,068	83,808	66,699	57,258	53,175	50,686	50,301	49,867
16	95,864	95,578	94,364	92,842	96,272	83,254	66,354	57,145	53,095	50,661	50,301	49,842
17	95,864	95,619	94,364	92,842	96,272	82,739	65,979	56,977	52,936	50,609	50,275	49,842
18	95,904	95,619	94,325	92,603	96,354	82,482	65,761	56,781	52,830	50,583	50,199	49,842
19	95,741	95,456	94,325	92,404	96,190	82,080	65,357	56,669	52,644	50,609	50,148	49,842
20	95,741	95,416	94,445	92,127	96,027	81,461	65,078	56,530	52,644	50,609	50,123	49,842
21	95,619	95,295	94,647	92,206	96,068	80,954	64,709	56,390	52,591	50,609	50,071	49,817
22	95,619	95,214	94,647	92,048	95,904	80,268	64,309	56,279	52,485	50,532	50,020	49,791
23	95,660	95,132	94,284	92,048	95,741	79,588	63,851	56,141	52,433	50,558	49,944	50,327
24	95,578	95,214	94,163	91,929	95,741	78,841	63,274	56,030	52,327	50,532	49,867	52,433
25	95,538	95,214	93,962	91,810	95,578	78,169	62,641	55,863	52,143	50,532	49,867	52,962
26	95,660	94,970	93,922	91,731	95,538	77,430	62,221	55,697	52,012	50,815	49,842	52,962
27	95,823	95,011	93,882	91,652	95,375	76,628	61,863	55,587	51,881	50,867	49,842	52,936
28	95,904	94,970	93,801	91,613	95,214	75,797	61,503	55,533	51,724	50,815	49,893	52,830
29	95,945	-	93,681	91,455	95,092	75,109	61,122	55,423	51,619	50,790	49,867	52,830
30	96,068	-	93,801	91,298	94,930	74,494	60,827	55,230	51,541	50,738	49,893	52,830
31	96,108	-	93,882	-	94,525	-	60,621	55,011	-	50,712	-	52,644
MAXIMUM DAY	96,599	96,149	94,889	93,801	96,354	93,922	73,951	60,416	54,820	51,489	50,661	52,962
MINIMUM DAY	95,538	94,970	93,681	91,298	91,140	74,494	60,621	55,011	51,541	50,532	49,842	49,487

REPORT OF THE KERN RIVER WATERMASTER

JANUARY 2021

Quantities in S.F.D. except where noted

DAY	ISABELLA RESERVOIR				FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW			DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE		+1ST POINT REGULATED FLOW				Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	TOTAL IRRIGATION		KERN COUNTY RECREATION	AT 2ND POINT			FRIANT-KERN INFLOW			
		ACRE-FEET	S.F.D.									LOSS				KERN RIVER	FRIANT-KERN	
Previous Day	2545.81	96,599	48,702	11	151	14	165	155	155	48,702	33,484	3	0	0	0	0	0	
1	2545.80	96,558	48,681	13	185	14	199	191	188	48,678	33,460	3	0	0	0	0	1	
2	2545.78	96,476	48,640	17	194	13	207	183	221	48,675	33,457	4	0	0	0	0	2	
3	2545.81	96,599	48,702	15	198	13	211	288	210	48,659	33,441	3	0	0	0	0	3	
4	2545.77	96,435	48,619	14	215	12	227	158	242	48,660	33,442	3	0	0	0	0	4	
5	2545.79	96,517	48,661	14	210	13	223	279	225	48,648	33,430	3	0	0	0	0	5	
6	2545.79	96,517	48,661	17	208	14	222	239	237	48,646	33,428	4	0	0	0	0	6	
7	2545.77	96,435	48,619	13	208	14	222	193	198	48,609	33,391	3	0	0	0	0	7	
8	2545.73	96,272	48,537	17	213	13	226	161	201	48,567	33,349	4	0	0	0	0	8	
9	2545.74	96,313	48,558	14	199	14	213	248	194	48,534	33,316	3	0	0	0	0	9	
10	2545.71	96,190	48,496	15	203	16	219	172	212	48,512	33,294	4	0	0	0	0	10	
11	2545.68	96,068	48,434	15	250	13	263	216	201	48,435	33,217	4	0	0	0	0	11	
12	2545.65	95,945	48,372	10	254	13	267	215	222	48,380	33,162	2	0	0	0	0	12	
13	2545.64	95,904	48,352	17	226	13	239	236	233	48,357	33,139	4	0	0	0	0	13	
14	2545.64	95,904	48,352	17	218	14	232	249	235	48,343	33,125	4	0	0	0	0	14	
15	2545.63	95,864	48,331	23	204	15	219	221	232	48,333	33,115	5	0	0	0	0	15	
16	2545.63	95,864	48,331	17	196	13	209	226	225	48,332	33,114	4	0	0	0	0	16	
17	2545.63	95,864	48,331	21	192	14	206	227	233	48,338	33,120	5	0	0	0	0	17	
18	2545.64	95,904	48,352	22	189	13	202	245	211	48,325	33,107	5	0	0	0	0	18	
19	2545.60	95,741	48,269	34	198	13	211	162	215	48,295	33,077	8	0	0	0	0	19	
20	2545.60	95,741	48,269	22	201	16	217	239	190	48,246	33,028	5	0	0	0	0	20	
21	2545.57	95,619	48,208	18	197	14	211	168	211	48,228	33,010	4	0	0	0	0	21	
22	2545.57	95,619	48,208	17	196	13	209	226	212	48,214	32,996	4	0	0	0	0	22	
23	2545.58	95,660	48,229	8	199	14	213	242	221	48,214	32,996	2	0	0	0	0	23	
24	2545.56	95,578	48,187	8	217	13	230	196	217	48,193	32,975	2	0	0	0	0	24	
25	2545.55	95,538	48,167	6	211	15	226	212	233	48,194	32,976	1	0	0	0	0	25	
26	2545.58	95,660	48,229	10	206	13	219	291	275	48,240	33,022	2	0	0	0	0	26	
27	2545.62	95,823	48,311	7	220	14	234	323	297	48,296	33,078	2	0	0	0	0	27	
28	2545.64	95,904	48,352	14	208	14	222	277	284	48,344	33,126	3	0	0	0	0	28	
29	2545.65	95,945	48,372	10	210	13	223	253	274	48,385	33,167	2	0	0	0	0	29	
30	2545.68	96,068	48,434	15	200	15	215	292	279	48,434	33,216	4	0	0	0	0	30	
31	2545.69	96,108	48,454	21	205	13	218	259	259	48,454	33,236	5	0	0	0	0	31	
TOTAL SECOND FOOT DAYS				481	6,430	424	6,854	7,087	7,087	48,454	33,236	111	0	0	0	0		
TOTAL ACRE-FEET				954	12,754	840	13,594	14,057	14,057	96,108	65,924	220	0	0	0	0		

By: MC Date: February 15, 2021

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

JANUARY 2021

<u>NORTH KERN WATER STORAGE DISTRICT</u>						<u>BUENA VISTA WATER STORAGE DISTRICT</u>						<u>HACIENDA WATER DISTRICT</u>								
			FLOW ABOVE 1ST PT.						FLOW ABOVE 1ST PT.						FLOW ABOVE 1ST PT.					
			RESERVOIR						RESERVOIR						RESERVOIR					
DAY	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	LOSS	STORAGE	ENT'L AT 1ST POINT	VIA KDWD	VIA CAWELO	VIA KWB	AT 2ND POINT	La HACIENDA INC.	LOSS	STORAGE	ENTITLEMENT Contributed by:		FOR ID#	FOR KCWA	LOSS	STORAGE	DAY
Previous Day	155	96	14	7	19,577	0	0	0	0	0	0	4	12,859	NKWS	BVWS	55	0	0	1,048	
1	188	144	14	8	19,599	0	0	0	0	0	0	5	12,854			41	0	0	1,007	1
2	221	140	13	11	19,656	0	0	0	0	0	0	6	12,848			54	0	0	953	2
3	210	154	13	10	19,689	0	0	0	0	0	0	5	12,843			44	0	0	909	3
4	242	172	12	9	19,738	0	0	0	0	0	0	5	12,838			43	0	0	866	4
5	225	171	13	9	19,770	0	0	0	0	0	0	5	12,833			39	0	0	827	5
6	237	171	14	11	19,811	0	0	0	0	0	0	6	12,827			37	0	0	790	6
7	198	173	14	8	19,814	0	0	0	0	0	0	5	12,822			35	0	0	755	7
8	201	170	13	11	19,821	0	0	0	0	0	0	6	12,816			43	0	0	712	8
9	194	159	14	9	19,833	0	0	0	0	0	0	5	12,811			40	0	0	672	9
10	212	164	16	10	19,855	0	0	0	0	0	0	5	12,806			39	0	0	633	10
11	201	214	13	10	19,819	0	0	0	0	0	0	5	12,801			36	0	0	597	11
12	222	214	13	6	19,808	0	0	0	0	0	0	4	12,797			40	0	0	557	12
13	233	182	13	11	19,835	0	0	0	0	0	0	6	12,791			44	0	0	513	13
14	235	181	14	11	19,864	0	0	0	0	0	0	6	12,785			37	0	0	476	14
15	232	165	15	15	19,901	0	0	0	0	0	0	8	12,777			39	0	0	437	15
16	225	155	13	11	19,947	0	0	0	0	0	0	6	12,771			41	0	0	396	16
17	233	153	14	14	19,999	0	0	0	0	0	0	7	12,764			39	0	0	357	17
18	211	151	13	14	20,032	0	0	0	0	0	0	8	12,756			38	0	0	319	18
19	215	164	13	22	20,048	0	0	0	0	0	0	12	12,744			34	0	0	285	19
20	190	159	16	14	20,049	0	0	0	0	0	0	8	12,736			42	0	0	243	20
21	211	157	14	12	20,077	0	0	0	0	0	0	6	12,730			40	0	0	203	21
22	212	159	13	11	20,106	0	0	0	0	0	0	6	12,724			37	0	0	166	22
23	221	164	14	5	20,144	0	0	0	0	0	0	3	12,721			35	0	0	131	23
24	217	178	13	5	20,165	0	0	0	0	0	0	3	12,718			39	0	0	92	24
25	233	173	15	4	20,206	0	0	0	0	0	0	2	12,716			38	0	0	54	25
26	275	171	13	6	20,291	0	0	0	0	0	0	4	12,712			35	0	0	19	26
27	297	201	14	5	20,368	0	0	0	0	0	0	2	12,710			19	0	0	0	27
28	284	208	14	9	20,421	0	0	0	0	0	0	5	12,705			0	0	0	0	28
29	274	210	13	6	20,466	0	0	0	0	0	0	4	12,701			0	0	0	0	29
30	279	200	15	10	20,520	0	0	0	0	0	0	5	12,696			0	0	0	0	30
31	259	205	13	14	20,547	0	0	0	0	0	0	7	12,689			0	0	0	0	31
S.F.D.	7,087	5,382	424	311	20,547	0	0	0	0	0	0	170	12,689			1,048	0	0	0	S.F.D.
AC.FT.	14,057	10,675	840	617	40,756	0	0	0	0	0	0	337	25,168			2,079	0	0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS

1,230,145

TOTAL ACRE-FOOT STORAGE DAYS

785,141

TOTAL ACRE-FOOT STORAGE DAYS

25,724

JANUARY 2021
 WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH DAY(S) PAGE NO. TITLE OF COLUMN COMMENT

SNOW SURVEY DATA FOR KERN RIVER BASIN

FEBRUARY 1, 2021

SNOW COURSE	SNOW SENSOR	CALIF. NUMBER	ELEV. IN FEET	APRIL 1ST AVERAGE WATER CONTENT	DATE MEASURED	SNOW DEPTH IN INCHES	WATER CONTENT IN INCHES	% OF APRIL 1ST AVERAGE
	Upper Tyndall Creek	516	11400	27.7	25-Jan	10.7	2.3	21%
Bighorn Plateau		250	11350	23.7	24-Jan	7	2	9%
Cottonwood Pass		251	11050	14.8	2-Feb	20.5	4.5	31%
Siberian Pass		252	10900	20	29-Jan	35.5	4.5	24%
Crabtree Meadow		253	10700	19.6	25-Jan	9.5	1.5	8%
	Crabtree Meadow	253	10700	19.8	25-Jan	14	2.5	18%
Guyot Flat		254	10650	20.8	26-Jan	9.5	1.5	7%
Tyndall Creek		255	10650	18.8	24-Jan	8	1.5	8%
Sandy Meadows		275	10650	19.2	25-Jan	9	1.5	8%
	Chagoopa Plateau	514	10300	21.8				
Big Whitney Meadow		257	9750	17.2	2-Feb	27	4	24%
Rock Creek		256	9600	17.8	26-Jan	10	2.5	14%
	Pascoe	569	9150	24.9				
Round Meadow		258	9000	24.1				
	Wet Meadow	518	8950	30.3				
	Tunnel Guard	830	8900	15.6	31-Jan	20	3.5	18%
Ramshaw Meadows		259	8700	11.5				
Little Whitney Meadow		260	8500	12.9	31-Jan	26	7.5	55%
Quinn Ranger Station		264	8350	18.9				
Bonita Meadows		261	8300	13.6	2-Feb	15.5	3.5	24%
Casa Vieja Meadows		262	8300	19.8	1-Feb	23.5	5.5	26%
	Casa Vieja Meadows	262	8300	20.9				
Beach Meadows		265	7650	8.3				
	Beach Meadows	860	7650	11				
Dead Horse Meadow		249	7300	10.7	3-Feb	28.5	7.5	71%

CALIFORNIA COOPERATIVE SNOW SURVEYS FORECAST as of FEBRUARY 1, 2021 for KERN RIVER INFLOW TO ISABELLA RESERVOIR...

April-July = 210,000 acre-feet (46% of Average) *** Water Year = 335,000 acre-feet (46% of Average)

80 Percent Probability Range (Actual runoff should fall within the stated limits eight times out of ten)...

April-July = 125,000 AcFt (27% of Average) to 340,000 AcFt (75% of Average)

REPORT OF THE KERN RIVER WATERMASTER

FEBRUARY 2021

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ISABELLA RESERVOIR				FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW			DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE		+1ST POINT REGULATED FLOW				Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	TOTAL IRRIGATION		KERN COUNTY RECREATION POOL LOSS	AT 2ND POINT			FRIANT-KERN INFLOW			
		ACRE-FEET	S.F.D.									LOSS				KERN RIVER	FRIANT-KERN	
Previous Day	2545.69	96,108	48,454	21	205	13	218	259	259	48,454	33,236	5	0	0	0	0		
1	2545.69	96,108	48,454	16	203	14	217	233	248	48,469	33,251	4	0	0	0	0	1	
2	2545.69	96,108	48,454	17	247	14	261	278	271	48,462	33,244	4	0	0	0	0	2	
3	2545.70	96,149	48,475	9	258	14	272	302	283	48,464	33,246	2	0	0	0	0	3	
4	2545.69	96,108	48,454	13	261	15	276	268	283	48,458	33,240	3	0	0	0	0	4	
5	2545.66	95,986	48,393	14	311	15	326	279	284	48,402	33,184	3	0	0	0	0	5	
6	2545.64	95,904	48,352	17	316	13	329	305	285	48,341	33,123	4	0	0	0	0	6	
7	2545.60	95,741	48,269	18	323	13	336	271	298	48,285	33,067	4	0	0	0	0	7	
8	2545.59	95,701	48,249	14	311	15	326	320	281	48,226	33,008	3	0	0	0	0	8	
9	2545.57	95,619	48,208	21	260	13	273	253	295	48,227	33,009	5	0	0	0	0	9	
10	2545.58	95,660	48,229	14	264	15	279	314	275	48,209	32,991	3	0	0	0	0	10	
11	2545.56	95,578	48,187	14	271	14	285	257	309	48,219	33,001	3	0	0	0	0	11	
12	2545.59	95,701	48,249	12	267	14	281	355	304	48,230	33,012	3	0	0	0	0	12	
13	2545.59	95,741	48,269	12	253	14	267	299	300	48,251	33,033	3	0	0	0	0	13	
14	2545.58	95,660	48,229	13	259	15	274	247	288	48,252	33,034	3	0	0	0	0	14	
15	2545.59	95,701	48,249	14	271	14	285	319	269	48,222	33,004	3	0	0	0	0	15	
16	2545.56	95,578	48,187	15	276	13	289	242	298	48,216	32,998	4	0	0	0	0	16	
17	2545.57	95,619	48,208	14	282	15	297	332	296	48,201	32,983	3	0	0	0	0	17	
18	2545.57	95,619	48,208	18	283	13	296	314	294	48,181	32,963	4	0	0	0	0	18	
19	2545.53	95,456	48,126	23	281	14	295	236	279	48,142	32,924	5	0	0	0	0	19	
20	2545.52	95,416	48,106	16	277	15	292	288	259	48,093	32,875	4	0	0	0	0	20	
21	2545.49	95,295	48,045	17	283	13	296	252	271	48,051	32,833	4	0	0	0	0	21	
22	2545.47	95,214	48,004	24	276	13	289	272	257	47,995	32,777	6	0	0	0	0	22	
23	2545.45	95,132	47,962	17	255	16	271	246	283	47,990	32,772	4	0	0	0	0	23	
24	2545.47	95,214	48,004	16	257	15	272	330	283	47,985	32,767	4	0	0	0	0	24	
25	2545.47	95,214	48,004	20	237	15	252	272	249	47,962	32,744	5	0	0	0	0	25	
26	2545.41	94,970	47,881	17	236	15	251	145	243	47,937	32,719	4	0	0	0	0	26	
27	2545.42	95,011	47,901	21	257	14	271	312	256	47,901	32,683	5	0	0	0	0	27	
28	2545.41	94,970	47,881	18	268	14	282	280	280	47,881	32,663	4	0	0	0	0	28	
TOTAL SECOND FOOT DAYS				454	7,543	397	7,940	7,821	7,821	47,881	32,663	106	0	0	0	0		
TOTAL ACRE-FEET				901	14,962	788	15,750	15,513	15,513	94,970	64,786	210	0	0	0	0		

By: MC Date: March 12, 2021

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

FEBRUARY 2021

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT					HACIENDA WATER DISTRICT									
	ENT'L	FLOW	FLOW	RESERVOIR		ENT'L	FLOW			La	RESERVOIR		ENTITLEMENT		FLOW		RESERVOIR		DAY	
	AT 1ST	AT 1ST	1ST	LOSS	STORAGE	AT 1ST	VIA	VIA	AT 2ND	HACIENDA	LOSS	STORAGE	Contributed by:	FOR	FOR	LOSS	STORAGE			
POINT	POINT	POINT			POINT	KDWD	CWD	POINT	INC.			NKWS	BVWS	ID#	KCWA					
Previous Day	259	205	13	14	20,547	0	0	0	0	0	7	12,689				0	0	0	0	
1	248	203	14	10	20,568	0	0	0	0	0	6	12,683				0	0	0	0	1
2	271	247	14	11	20,567	0	0	0	0	0	6	12,677				0	0	0	0	2
3	283	258	14	6	20,572	0	0	0	0	0	3	12,674				0	0	0	0	3
4	283	261	15	8	20,571	0	0	0	0	0	5	12,669				0	0	0	0	4
5	284	311	15	9	20,520	0	0	0	0	0	5	12,664				0	0	0	0	5
6	285	316	13	11	20,465	0	0	0	0	0	6	12,658				0	0	0	0	6
7	298	323	13	12	20,415	0	0	0	0	0	6	12,652				0	0	0	0	7
8	281	311	15	9	20,361	0	0	0	0	0	5	12,647				0	0	0	0	8
9	295	260	13	14	20,369	0	0	0	0	0	7	12,640				0	0	0	0	9
10	275	264	15	9	20,356	0	0	0	0	0	5	12,635				0	0	0	0	10
11	309	271	14	9	20,371	0	0	0	0	0	5	12,630				0	0	0	0	11
12	304	267	14	8	20,386	0	0	0	0	0	4	12,626				0	0	0	0	12
13	300	253	14	8	20,411	0	0	0	0	0	4	12,622				0	0	0	0	13
14	288	259	15	8	20,417	0	0	0	0	0	5	12,617				0	0	0	0	14
15	269	271	14	9	20,392	0	0	0	0	0	5	12,612				0	0	0	0	15
16	298	276	13	10	20,391	0	0	0	0	0	5	12,607				0	0	0	0	16
17	296	282	15	9	20,381	0	0	0	0	0	5	12,602				0	0	0	0	17
18	294	283	13	12	20,367	0	0	0	0	0	6	12,596				0	0	0	0	18
19	279	281	14	15	20,336	0	0	0	0	0	8	12,588				0	0	0	0	19
20	259	277	15	10	20,293	0	0	0	0	0	6	12,582				0	0	0	0	20
21	271	283	13	11	20,257	0	0	0	0	0	6	12,576				0	0	0	0	21
22	257	276	13	16	20,209	0	0	0	0	0	8	12,568				0	0	0	0	22
23	283	255	16	11	20,210	0	0	0	0	0	6	12,562				0	0	0	0	23
24	283	257	15	10	20,211	0	0	0	0	0	6	12,556				0	0	0	0	24
25	249	237	15	13	20,195	0	0	0	0	0	7	12,549				0	0	0	0	25
26	243	236	15	11	20,176	0	0	0	0	0	6	12,543				0	0	0	0	26
27	256	257	14	14	20,147	0	0	0	0	0	7	12,536				0	0	0	0	27
28	280	268	14	12	20,133	0	0	0	0	0	6	12,530				0	0	0	0	28
S.F.D.	7,821	7,543	397	295	20,133	0	0	0	0	0	159	12,530				0	0	0	0	S.F.D.
AC.FT.	15,513	14,962	788	586	39,933	0	0	0	0	0	315	24,853				0	0	0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 1,130,671

TOTAL ACRE-FOOT STORAGE DAYS 700,365

TOTAL ACRE-FOOT STORAGE DAYS 0

FEBRUARY 2021
 WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH DAY(S) PAGE NO. TITLE OF COLUMN COMMENT

PRECIPITATION DATA -- ISABELLA DAM & RESERVOIR
 1949-TO DATE

WATER YEAR	FEBRUARY	WATER YEAR	FEBRUARY
1949-50	2.60	1985-86	3.58
1950-51	0.18	1986-87	2.03
1951-52	0.37	1987-88	0.40
1952-53	0.04	1988-89	2.24
1953-54	2.26	1989-90	1.00
1954-55	1.05	1990-91	1.17
1955-56	0.26	1991-92	3.10
1956-57	0.96	1992-93	4.15
1957-58	4.45	1993-94	3.10
1958-59	1.54	1994-95	1.35
1959-60	6.48	1995-96	5.03
1960-61	0.01	1996-97	0.13
1961-62	5.35	1997-98	10.60
1962-63	3.06	1998-99	0.51
1963-64	0.07	1999-00	3.98
1964-65	0.27	2000-01	3.16
1965-66	0.75	2001-02	0.32
1966-67	0.02	2002-03	1.70
1967-68	0.85	2003-04	3.04
1968-69	6.12	2004-05	0.99
1969-70	0.54	2005-06	1.38
1970-71	0.37	2006-07	1.84
1971-72	0.39	2007-08	5.96
1972-73	2.57	2008-09	2.25
1973-74	0.09	2009-10	2.96
1974-75	1.82	2010-11	1.23
1975-76	1.25	2011-12	0.41
1976-77	1.04	2012-13	0.19
1977-78	7.44	2013-14	1.10
1978-79	3.22	2014-15	1.59
1979-80	4.32	2015-16	0.39
1980-81	1.49	2016-17	3.56
1981-82	1.15	2017-18	0.01
1982-83	4.36	2018-19	5.04
1983-84	1.13	2019-20	0.13
1984-85	1.16	2020-21	0.08

February Average= 2.07 inches
 Maximum = 10.60 inches (1997-1998)
 Minimum = 0.01 inches (2017-2018)
 Daily Maximum = 3.58 inches on 02-03-2008
2020 - 2021 was 5th driest February (1949-To Date)



REPORT OF THE KERN RIVER WATERMASTER

MARCH 2021

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ISABELLA RESERVOIR				FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW	DAY
	ELEVATION (FEET)	ACRE-FEET	S.F.D.	LOSS				+1ST POINT REGULATED	Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)		TOTAL	IRRIGATION			KERN RIVER	FRIANT-KERN		
Previous Day	2545.41	94,970	47,881	18	268	14	282	280	280	47,881	32,663	4	0	0	0	0	0	
1	2545.39	94,889	47,840	25	256	17	273	257	264	47,847	32,629	6	0	0	0	0	0	1
2	2545.37	94,808	47,799	32	273	13	286	277	244	47,773	32,555	8	0	0	0	0	0	2
3	2545.32	94,606	47,697	24	264	13	277	199	260	47,732	32,514	6	0	0	0	0	0	3
4	2545.32	94,606	47,697	21	268	14	282	303	243	47,672	32,454	5	0	0	0	0	0	4
5	2545.29	94,485	47,636	28	245	14	259	226	259	47,644	32,426	7	0	0	0	0	0	5
6	2545.27	94,404	47,595	27	249	14	263	249	235	47,589	32,371	6	0	0	0	0	0	6
7	2545.25	94,325	47,556	12	242	15	257	230	240	47,560	32,342	3	0	0	0	0	0	7
8	2545.24	94,284	47,535	17	231	15	246	242	242	47,539	32,321	4	0	0	0	0	0	8
9	2545.24	94,284	47,535	17	224	14	238	255	267	47,551	32,333	4	0	0	0	0	0	9
10	2545.27	94,404	47,595	8	219	16	235	303	274	47,582	32,364	2	0	0	0	0	0	10
11	2545.27	94,404	47,595	15	235	14	249	264	277	47,595	32,377	4	0	0	0	0	0	11
12	2545.27	94,404	47,595	12	236	16	252	264	253	47,584	32,366	3	0	0	0	0	0	12
13	2545.25	94,325	47,556	19	237	13	250	230	247	47,562	32,344	5	0	0	0	0	0	13
14	2545.24	94,284	47,535	17	236	15	251	247	244	47,538	32,320	4	0	0	0	0	0	14
15	2545.24	94,284	47,535	9	233	14	247	256	266	47,548	32,330	2	0	0	0	0	0	15
16	2545.26	94,364	47,575	16	224	15	239	295	272	47,565	32,347	4	0	0	0	0	0	16
17	2545.26	94,364	47,575	19	235	11	246	265	267	47,567	32,349	5	0	0	0	0	0	17
18	2545.25	94,325	47,556	23	223	14	237	241	254	47,561	32,343	6	0	0	0	0	0	18
19	2545.25	94,325	47,556	23	221	13	234	257	271	47,575	32,357	6	0	0	0	0	0	19
20	2545.28	94,445	47,616	17	222	16	238	315	322	47,642	32,424	4	0	0	0	0	0	20
21	2545.33	94,647	47,718	17	259	15	274	393	331	47,682	32,464	4	0	0	0	0	0	21
22	2545.33	94,647	47,718	17	254	15	269	286	273	47,669	32,451	4	0	0	0	0	0	22
23	2545.20	94,284	47,535	18	289	15	304	139	229	47,576	32,358	4	0	0	0	0	0	23
24	2545.21	94,163	47,474	23	285	14	299	261	209	47,463	32,245	6	0	0	0	0	0	24
25	2545.16	93,962	47,373	18	295	14	309	226	270	47,406	32,188	4	10	10	0	0	0	25
26	2545.15	93,922	47,352	23	304	17	321	323	284	47,346	32,128	6	34	34	0	0	0	26
27	2545.14	93,882	47,332	27	283	14	297	304	306	47,328	32,110	6	37	37	0	0	0	27
28	2545.12	93,801	47,291	33	285	14	299	291	287	47,283	32,065	8	37	37	0	0	0	28
29	2545.09	93,681	47,231	33	280	14	294	267	313	47,269	32,051	8	33	33	0	0	0	29
30	2545.12	93,801	47,291	31	275	15	290	381	343	47,291	32,073	7	32	32	0	0	0	30
31	2545.14	93,882	47,332	41	272	17	289	371	371	47,332	32,114	10	30	30	0	0	0	31
TOTAL SECOND FOOT DAYS				662	7,854	450	8,304	8,417	8,417	47,332	32,114	161	213	213	0	0	0	
TOTAL ACRE-FEET				1,313	15,578	892	16,470	16,695	16,695	93,882	63,698	319	423	423	0	0	0	

By: MC Date: April 15, 2021

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

MARCH 2021

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	FLOW ABOVE			RESERVOIR		FLOW			La		RESERVOIR		ENTITLEMENT		FLOW		RESERVOIR		DAY
	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	ABOVE 1ST POINT	LOSS	STORAGE	ENT'L AT 2ND POINT	VIA KDWD	VIA CWD	AT 2ND POINT	HACIENDA INC.	LOSS	STORAGE	Contributed by: NKWSD	BVWSD	For ID4	VIA PIO. P.	LOSS	STORAGE	
Previous Day	280	268	14	12	20,133	0	0	0	0	0	6	12,530					0	0	
1	264	256	17	16	20,108	0	0	0	0	0	9	12,521					0	0	1
2	244	273	13	21	20,045	0	0	0	0	0	11	12,510					0	0	2
3	260	264	13	16	20,012	0	0	0	0	0	8	12,502					0	0	3
4	243	268	14	14	19,959	0	0	0	0	0	7	12,495					0	0	4
5	259	245	14	18	19,941	0	0	0	0	0	10	12,485					0	0	5
6	235	249	14	17	19,896	0	0	0	0	0	10	12,475					0	0	6
7	240	242	15	8	19,871	0	0	0	0	0	4	12,471					0	0	7
8	242	231	15	11	19,856	0	0	0	0	0	6	12,465					0	0	8
9	267	224	14	11	19,874	0	0	0	0	0	6	12,459					0	0	9
10	274	219	16	5	19,908	0	0	0	0	0	3	12,456					0	0	10
11	277	235	14	10	19,926	0	0	0	0	0	5	12,451					0	0	11
12	253	236	16	8	19,919	0	0	0	0	0	4	12,447					0	0	12
13	247	237	13	12	19,904	0	0	0	0	0	7	12,440					0	0	13
14	244	236	15	11	19,886	0	0	0	0	0	6	12,434					0	0	14
15	266	233	14	6	19,899	0	0	0	0	0	3	12,431					0	0	15
16	272	224	15	10	19,922	0	0	0	0	0	6	12,425					0	0	16
17	267	235	11	12	19,931	0	0	0	0	0	7	12,418					0	0	17
18	254	223	14	15	19,933	0	0	0	0	0	8	12,410					0	0	18
19	271	221	13	15	19,955	0	0	0	0	0	8	12,402					0	0	19
20	315	222	16	11	20,021	7	0	0	0	0	6	12,403					0	0	20
21	321	259	15	11	20,057	10	0	0	0	0	6	12,407					0	0	21
22	273	254	15	11	20,050	0	0	0	0	0	6	12,401					0	0	22
23	229	289	15	12	19,963	0	0	0	0	0	6	12,395					0	0	23
24	209	285	14	15	19,858	0	0	0	0	0	8	12,387					0	0	24
25	270	285	14	12	19,817	0	0	0	10	0	6	12,371					0	0	25
26	284	270	17	15	19,799	0	0	0	34	0	8	12,329					0	0	26
27	304	246	14	17	19,826	2	0	0	37	0	10	12,284					0	0	27
28	287	248	14	21	19,830	0	0	0	37	0	12	12,235					0	0	28
29	309	247	14	21	19,857	4	0	0	33	0	12	12,194					0	0	29
30	329	243	15	20	19,908	14	0	0	32	0	11	12,165					0	0	30
31	348	242	17	27	19,970	23	0	0	30	0	14	12,144					0	0	31
S.F.D.	8,357	7,641	450	429	19,970	60	0	0	213	0	233	12,144					0	0	S.F.D.
AC.FT.	16,576	15,155	892	851	39,611	119	0	0	423	0	462	24,087					0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 1,225,191

TOTAL ACRE-FOOT STORAGE DAYS 762,470

TOTAL ACRE-FOOT STORAGE DAYS 0

REPORT OF THE KERN RIVER WATERMASTER

**MARCH 2021
WATERMASTER NOTES *** KERN RIVER BULLETIN**

MONTH DAY(S) PAGE NO. TITLE OF COLUMN COMMENT

**SOUTH FORK KERN RIVER Nr. ONYX
2019-2020 WATER YEAR**

Discharge in cubic feet per second

Whole Year Runoff (AcFt) = 48,500

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	36	42	52	55	99	97	315	55	17	8	7
2	30	36	47	61	55	97	108	286	53	17	8	7
3	30	38	51	59	55	88	115	264	50	16	7	7
4	31	39	77	60	45	87	116	243	48	16	6	6
5	30	39	67	63	44	99	119	224	49	15	6	6
6	30	38	56	57	57	109	145	208	49	15	6	6
7	29	38	54	54	59	113	147	195	47	14	6	6
8	30	38	68	55	55	111	207	182	44	13	7	6
9	30	38	68	54	55	101	192	173	42	13	6	6
10	29	37	56	50	52	99	172	162	41	15	6	6
11	31	37	52	52	50	124	192	153	38	16	6	7
12	31	37	54	51	53	116	243	145	35	15	6	7
13	32	39	62	51	56	114	313	140	34	14	6	7
14	33	40	80	52	60	108	354	133	33	13	6	7
15	33	40	75	50	62	107	339	127	31	13	6	7
16	33	40	58	49	65	106	327	120	30	13	6	7
17	33	39	50	51	70	114	335	112	29	13	6	7
18	33	38	53	46	72	97	340	106	28	12	7	7
19	34	37	50	48	75	95	310	110	27	12	7	7
20	34	39	49	54	76	93	299	116	26	12	8	8
21	36	40	51	52	76	92	289	115	24	12	9	7
22	37	36	52	52	80	96	275	105	23	10	8	7
23	36	42	63	53	85	125	256	97	22	8	7	7
24	36	39	58	54	77	133	283	92	21	8	7	8
25	36	38	55	55	75	127	308	85	19	8	7	8
26	36	38	58	56	77	117	324	77	18	8	6	8
27	36	44	48	57	82	107	329	71	18	8	6	8
28	36	38	39	56	88	101	321	69	18	8	6	8
29	37	33	51	55	95	99	322	62	18	8	6	8
30	37	30	65	53		96	326	59	17	7	6	8
31	37		59	55		91		57		7	6	
TOTAL	1025	1141	1768	1667	1906	3261	7503	4403	987	376	204	211
MAX. DAY	37	44	80	63	95	133	354	315	55	17	9	8
MIN. DAY	29	30	39	46	44	87	97	57	17	7	6	6
MEAN	33	38	57	54	66	105	250	142	33	12	7	7
TOTAL AcFt	2033	2263	3507	3306	3780	6468	14882	8733	1958	746	405	419

REPORT OF THE KERN RIVER WATERMASTER

APRIL 2021

Quantities in S.F.D. except where noted

DAY	ISABELLA RESERVOIR				FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW			DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE		+1ST POINT REGULATED FLOW				RECREATION POOL + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	KERN RIVER		FRIANT- KERN	FRIANT- KERN						
		ACRE-FEET	S.F.D.												LOSS			
Previous Day	2545.14	93,882	47,332	41	272	17	289	371	371	47,332	32,114	10	30	30	0	0		
1	2545.11	93,761	47,271	41	287	16	303	283	290	47,278	32,060	10	30	30	0	0	1	
2	2545.08	93,641	47,211	35	315	15	330	305	326	47,239	32,021	8	29	29	0	0	2	
3	2545.09	93,681	47,231	36	320	15	335	391	380	47,248	32,030	9	28	28	0	0	3	
4	2545.12	93,801	47,291	38	331	15	346	444	386	47,250	32,032	9	31	31	0	0	4	
5	2545.08	93,641	47,211	32	356	16	372	324	381	47,227	32,009	8	32	32	0	0	5	
6	2545.07	93,601	47,191	33	348	15	363	376	341	47,172	31,954	8	25	25	0	0	6	
7	2545.02	93,400	47,089	34	379	12	391	323	370	47,117	31,899	8	47	47	0	0	7	
8	2545.00	93,321	47,049	37	397	16	413	410	377	47,044	31,826	9	76	76	0	0	8	
9	2544.98	93,241	47,009	33	387	17	404	397	427	47,034	31,816	8	78	78	0	0	9	
10	2544.00	93,321	47,049	37	378	17	395	472	425	47,027	31,809	9	81	81	0	0	10	
11	2544.99	93,281	47,029	30	381	15	396	406	437	47,038	31,820	7	79	79	0	0	11	
12	2544.98	93,241	47,009	33	404	16	420	433	416	47,001	31,783	8	78	78	0	0	12	
13	2544.95	93,121	46,949	37	420	13	433	410	419	46,950	31,732	9	79	79	0	0	13	
14	2544.92	93,002	46,889	29	432	14	446	415	431	46,906	31,688	7	78	78	0	0	14	
15	2544.92	93,002	46,889	30	419	17	436	466	412	46,852	31,634	7	78	78	0	0	15	
16	2544.88	92,842	46,808	32	389	15	404	355	410	46,826	31,608	8	78	78	0	0	16	
17	2544.88	92,842	46,808	26	369	15	384	410	365	46,781	31,563	6	78	78	0	0	17	
18	2544.82	92,603	46,687	35	398	17	415	329	370	46,701	31,483	9	80	80	0	0	18	
19	2544.77	92,404	46,587	37	419	15	434	371	334	46,564	31,346	9	78	78	0	0	19	
20	2544.70	92,127	46,447	38	389	16	405	303	385	46,506	31,288	9	77	77	0	0	20	
21	2544.72	92,206	46,487	30	394	18	412	482	379	46,443	31,225	7	77	77	0	0	21	
22	2544.68	92,048	46,408	31	381	15	396	348	419	46,435	31,217	8	80	80	0	0	22	
23	2544.68	92,048	46,408	37	374	16	390	427	376	46,384	31,166	9	83	83	0	0	23	
24	2544.65	91,929	46,348	32	365	16	381	353	369	46,340	31,122	8	82	82	0	0	24	
25	2544.62	91,810	46,288	23	349	15	364	327	343	46,296	31,078	6	81	81	0	0	25	
26	2544.60	91,731	46,248	18	358	14	372	350	345	46,251	31,033	4	83	83	0	0	26	
27	2544.58	91,652	46,208	25	356	16	372	357	366	46,220	31,002	6	82	82	0	0	27	
28	2544.57	91,613	46,188	35	361	15	376	391	365	46,174	30,956	9	80	80	0	0	28	
29	2544.53	91,455	46,109	43	369	15	384	348	362	46,109	30,891	11	80	80	0	0	29	
30	2544.49	91,298	46,029	45	370	18	388	353	353	46,029	30,811	11	80	80	0	0	30	
TOTAL SECOND FOOT DAYS				1,002	11,195	465	11,660	11,359	11,359	46,029	30,811	244	2,048	2,048	0	0		
TOTAL ACRE-FEET				1,987	22,205	922	23,127	22,530	22,530	91,298	61,114	484	4,062	4,062	0	0		

By: MC Date: May 14, 2021

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

APRIL 2021

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	FLOW ABOVE 1ST			RESERVOIR		ENT'L AT 2ND POINT	FLOW			HACIENDA INC.	RESERVOIR		ENTITLEMENT		FLOW		RESERVOIR		DAY
	AT 1ST POINT	AT 1ST POINT	1ST POINT	LOSS	STORAGE		VIA KDWD	VIA CWD	AT 2ND POINT		La	LOSS	STORAGE	Contributed by:	For	VIA	LOSS	STORAGE	
	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT										NKWS	BVWS	ID#	Pio. Pro.			
Previous Day	348	242	17	27	19,970	23	0	0	30	0	14	12,144					0	0	
1	290	257	16	27	19,960	0	0	0	30	0	14	12,100					0	0	1
2	318	286	15	23	19,954	8	0	0	29	0	12	12,067					0	0	2
3	355	292	15	24	19,978	25	0	0	28	0	12	12,052					0	0	3
4	359	300	15	25	19,997	27	0	0	31	0	13	12,035					0	0	4
5	355	324	16	21	19,991	26	0	0	32	0	11	12,018					0	0	5
6	328	323	15	22	19,959	13	0	0	25	0	11	11,995					0	0	6
7	348	332	12	22	19,941	22	0	0	47	0	12	11,958					0	0	7
8	353	321	16	24	19,933	24	0	0	76	0	13	11,893					0	0	8
9	387	309	17	22	19,972	40	0	0	78	0	11	11,844					0	0	9
10	385	297	17	24	20,019	40	0	0	81	0	13	11,790					0	0	10
11	393	302	15	20	20,075	44	0	0	79	0	10	11,745					0	0	11
12	379	326	16	22	20,090	37	0	0	78	0	11	11,693					0	0	12
13	381	341	13	24	20,093	38	0	0	79	0	13	11,639					0	0	13
14	389	354	14	19	20,095	42	0	0	78	0	10	11,593					0	0	14
15	376	341	17	20	20,093	36	0	0	78	0	10	11,541					0	0	15
16	375	311	15	21	20,121	35	0	0	78	0	11	11,487					0	0	16
17	344	291	15	17	20,142	21	0	0	78	0	9	11,421					0	0	17
18	348	318	17	23	20,132	22	0	0	80	0	12	11,351					0	0	18
19	323	341	15	25	20,074	11	0	0	78	0	12	11,272					0	0	19
20	358	312	16	25	20,079	27	0	0	77	0	13	11,209					0	0	20
21	354	317	18	20	20,078	25	0	0	77	0	10	11,147					0	0	21
22	381	301	15	21	20,122	38	0	0	80	0	10	11,095					0	0	22
23	352	291	16	25	20,142	24	0	0	83	0	12	11,024					0	0	23
24	347	283	16	22	20,168	22	0	0	82	0	10	10,954					0	0	24
25	329	268	15	16	20,198	14	0	0	81	0	7	10,880					0	0	25
26	331	275	14	12	20,228	14	0	0	83	0	6	10,805					0	0	26
27	345	274	16	17	20,266	21	0	0	82	0	8	10,736					0	0	27
28	344	281	15	24	20,290	21	0	0	80	0	11	10,666					0	0	28
29	342	289	15	29	20,299	20	0	0	80	0	14	10,592					0	0	29
30	336	290	18	31	20,296	17	0	0	80	0	14	10,515					0	0	30
S.F.D.	10,605	9,147	465	667	20,296	754	0	0	2,048	0	335	10,515					0	0	S.F.D.
AC.FT.	21,034	18,143	922	1,323	40,257	1,496	0	0	4,062	0	664	20,857					0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS

1,195,606

TOTAL ACRE-FOOT STORAGE DAYS

680,562

TOTAL ACRE-FOOT STORAGE DAYS

0

<u>MONTH</u>	<u>DAY(S)</u>	<u>PAGE NO.</u>	<u>TITLE OF COLUMN</u>	<u>COMMENT</u>
April				



**CENTRAL RECORDS CONDUCTING STREAM FLOW MEASUREMENTS AT ALT. 2ND PT.
Pictured: Daniel Hernandez, Daniel Maldonado, and Solomon Sackett**

KERN RIVER BASIN		
APRIL 1, 2021 WATER CONTENT IN INCHES		
	<u>SWE</u>	<u>APRIL 1 AVERAGE</u>
BIGHORN PLATEAU	11.0	50%
COTTONWOOD PASS	5.0	34%
SIBERIAN PASS	7.0	37%
CREABTREE MEADOW	7.0	36%
GUYOT FLAT	7.5	37%
SANDY MEADOWS	6.5	35%
TYNDALL CREEK	8.5	45%
BIG WHITNEY MEADOW	5.0	30%
ROCK CREEK	5.5	31%
ROUND MEADOW	9.5	40%
RAMSHAW MEADOW	1.0	9%
LITTLE WHITNEY MEADOW	1.0	7%
CASA VIEJA MEADOWS	6.0	29%
QUINN RANGER STATION	6.5	34%
BEACH MEADOWS	0.0	0%
BONITA MEADOWS	1.0	7%
DEAD HORSE MEADOW	3.5	33%

APRIL 1: 29%

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Quantities in S.F.D. except where noted

DAY	ISABELLA RESERVOIR				FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS	COMPUTED	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW			DAY
	ELEVATION	MIDNIGHT STORAGE		+1ST POINT REGULATED				1ST POINT NATURAL	Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	KERN COUNTY RECREATION	AT 2ND POINT			KERN	FRIANT-KERN		
	(FEET)	ACRE-FEET	S.F.D.	LOSS				FLOW	FLOW							FLOW	
Previous Day	2544.49	91,298	46,029	45	370	18	388	353	353	46,029	30,810	11	80	80	0	0	
1	2544.45	91,140	45,950	44	373	15	388	353	461	46,058	30,840	11	78	78	0	0	1
2	2544.58	91,652	46,208	35	367	16	383	676	532	46,172	30,954	9	78	78	0	0	2
3	2544.65	91,929	46,348	37	375	15	390	567	591	46,336	31,118	9	80	80	0	0	3
4	2544.71	92,127	46,447	42	374	16	390	531	586	46,490	31,272	10	78	78	0	0	4
5	2544.82	92,603	46,687	45	357	17	374	659	619	46,690	31,472	11	59	59	0	0	5
6	2544.95	93,121	46,949	46	343	15	358	666	661	46,947	31,729	11	44	44	0	0	6
7	2545.07	93,601	47,191	42	360	15	375	659	649	47,179	31,961	10	48	48	0	0	7
8	2545.18	94,043	47,413	45	339	16	355	622	618	47,397	32,179	11	48	48	0	0	8
9	2545.27	94,404	47,595	42	336	14	350	574	601	47,606	32,388	10	49	49	0	0	9
10	2545.37	94,808	47,799	45	339	18	357	606	574	47,778	32,560	11	50	50	0	0	10
11	2545.44	95,092	47,942	45	339	16	355	543	565	47,943	32,725	11	49	49	0	0	11
12	2545.51	95,375	48,085	46	334	25	359	548	554	48,092	32,874	11	48	48	0	0	12
13	2545.59	95,701	48,249	49	336	22	358	571	535	48,220	33,002	12	50	50	0	0	13
14	2545.63	95,864	48,331	51	335	17	352	485	523	48,340	33,122	12	46	46	0	0	14
15	2545.68	96,068	48,434	48	347	16	363	514	499	48,428	33,210	11	48	48	0	0	15
16	2545.73	96,272	48,537	34	345	16	361	498	468	48,501	33,283	8	51	51	0	0	16
17	2545.73	96,272	48,537	42	332	17	349	391	445	48,555	33,337	10	49	49	0	0	17
18	2545.75	96,354	48,579	48	340	16	356	446	393	48,544	33,326	11	50	50	0	0	18
19	2545.71	96,190	48,496	48	360	16	376	341	367	48,487	33,269	11	32	32	0	0	19
20	2545.67	96,027	48,414	36	342	18	360	314	348	48,439	33,221	8	20	20	0	0	20
21	2545.68	96,068	48,434	25	329	17	346	391	334	48,402	33,184	6	20	20	0	0	21
22	2545.64	95,904	48,352	34	330	16	346	298	329	48,351	33,133	8	21	21	0	0	22
23	2545.60	95,741	48,269	39	324	17	341	297	321	48,292	33,074	9	21	21	0	0	23
24	2545.60	95,741	48,269	42	311	16	327	369	318	48,241	33,023	10	11	11	0	0	24
25	2545.56	95,578	48,187	47	304	18	322	287	348	48,220	33,002	11	0	0	0	0	25
26	2545.55	95,538	48,167	49	341	17	358	387	331	48,144	32,926	12	0	0	0	0	26
27	2545.51	95,375	48,085	49	334	17	351	318	340	48,084	32,866	12	0	0	0	0	27
28	2545.47	95,214	48,004	52	327	17	344	315	322	48,010	32,792	12	0	0	0	0	28
29	2545.44	95,092	47,942	50	329	16	345	333	325	47,940	32,722	12	0	0	0	0	29
30	2545.40	94,930	47,861	50	341	18	359	328	330	47,861	32,643	12	0	0	0	0	30
31	2545.30	94,525	47,656	53	381	18	399	247	247	47,656	32,438	13	0	0	0	0	31
TOTAL SECOND FOOT DAYS				1,360	10,624	523	11,147	14,134	14,134	47,656	32,438	325	1,128	1,128	0	0	
TOTAL ACRE-FEET				2,698	21,072	1,037	22,109	28,034	28,034	94,525	64,341	645	2,238	2,238	0	0	

By: MC Date: June 15, 2021

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Quantities in S.F.D. except where noted

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NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT					HACIENDA WATER DISTRICT							
	ENT'L	FLOW	FLOW	FLOW	RESERVOIR	ENT'L	VIA	VIA	AT 2ND	La	RESERVOIR	ENTITLEMENT	FLOW	RESERVOIR	DAY			
	AT 1ST	AT 1ST	1ST	1ST	LOSS	AT 2ND	KDWD	CWD	POINT	HACIENDA	LOSS	STORAGE	Contributed by:	FOR		VIA	LOSS	STORAGE
POINT	POINT	POINT	POINT	STORAGE	POINT				INC.			NKWSD	BVWSD	ID#4		PIG. PRO.		
Previous Day	336	290	18	31	20,296	17	0	0	80	0	14	10,515					0	0
1	410	295	15	30	20,366	51	0	0	78	0	14	10,474					0	0
2	458	289	16	24	20,495	74	0	0	78	0	11	10,459					0	0
3	498	295	15	25	20,658	93	0	0	80	0	12	10,460					0	0
4	495	296	16	29	20,812	91	0	0	78	0	13	10,460					0	0
5	518	298	17	31	20,984	101	0	0	59	0	14	10,488					0	0
6	546	299	15	32	21,184	115	0	0	44	0	14	10,545					0	0
7	538	312	15	29	21,366	111	0	0	48	0	13	10,595					0	0
8	517	291	16	31	21,545	101	0	0	48	0	14	10,634					0	0
9	505	287	14	29	21,720	96	0	0	49	0	13	10,668					0	0
10	487	289	18	31	21,869	87	0	0	50	0	14	10,691					0	0
11	481	290	16	31	22,013	84	0	0	49	0	14	10,712					0	0
12	473	285	25	32	22,144	81	1	0	48	0	14	10,730					0	0
13	460	286	22	34	22,262	75	0	0	50	0	15	10,740					0	0
14	452	284	17	35	22,378	71	5	0	46	0	16	10,744					0	0
15	436	292	16	33	22,473	63	7	0	48	0	15	10,737					0	0
16	415	290	16	24	22,558	53	4	0	51	0	10	10,725					0	0
17	399	281	17	29	22,630	46	2	0	49	0	13	10,707					0	0
18	363	287	16	33	22,657	30	3	0	50	0	15	10,669					0	0
19	346	325	16	33	22,629	21	3	0	32	0	15	10,640					0	0
20	333	319	18	25	22,600	15	3	0	20	0	11	10,621					0	0
21	323	303	17	17	22,586	11	6	0	20	0	8	10,598					0	0
22	320	305	16	24	22,561	9	4	0	21	0	10	10,572					0	0
23	314	299	17	27	22,532	7	4	0	21	0	12	10,542					0	0
24	312	300	16	29	22,499	6	0	0	11	0	13	10,524					0	0
25	333	304	18	33	22,477	15	0	0	0	0	14	10,525					0	0
26	321	337	17	34	22,410	10	4	0	0	0	15	10,516					0	0
27	327	328	17	34	22,358	13	6	0	0	0	15	10,508					0	0
28	315	327	17	36	22,293	7	0	0	0	0	16	10,499					0	0
29	317	329	16	35	22,230	8	0	0	0	0	15	10,492					0	0
30	320	341	18	35	22,156	10	0	0	0	0	15	10,487					0	0
31	247	381	18	37	21,967	0	0	0	0	0	16	10,471					0	0
S.F.D.	12,579	9,444	523	941	21,967	1,555	52	0	1,128	0	419	10,471					0	0
AC.FT.	24,950	18,731	1,037	1,867	43,572	3,084	103	0	2,238	0	831	20,769					0	0

TOTAL ACRE-FOOT STORAGE DAYS

1,351,561

TOTAL ACRE-FOOT STORAGE DAYS

651,040

TOTAL ACRE-FOOT STORAGE DAYS

0

MAY 2021
WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH DAY(S) PAGE NO. TITLE OF COLUMN COMMENT

**KERN RIVER
MAY CONTRIBUTION TO
THE APRIL - JULY RUNOFF
1894 TO DATE**

In Order of Magnitude

Rank	Year	May Runoff (AcFt)	April-July Runoff (AcFt)	April-July % of Average	May % of April-July	Rank	Year	May Runoff (AcFt)	April-July Runoff (AcFt)	April-July % of Average	May % of April-July	Rank	Year	May Runoff (AcFt)	April-July Runoff (AcFt)	April-July % of Average	May % of April-July
1	2001	124,417	250,292	54%	49.71%	45	1943	254,785	697,182	150%	36.54%	89	1921	100,096	321,325	69%	31.15%
2	1924	41,722	92,556	20%	45.08%	46	1981	91,914	252,681	55%	36.38%	90	1983	478,625	1,545,810	334%	30.96%
3	1947	110,325	249,572	54%	44.21%	47	1923	120,849	332,532	72%	36.34%	91	1955	69,544	224,785	48%	30.94%
4	2009	130,352	295,161	64%	44.16%	48	1910	127,733	352,126	76%	36.27%	92	1914	210,676	685,012	148%	30.76%
5	2020	86,350	196,802	43%	43.88%	49	2021	28,034	77,564*	17%	36.14%	93	1989	71,849	234,430	51%	30.65%
6	1976	47,151	108,754	23%	43.36%	50	1988	58,350	162,043	35%	36.01%	94	1959	39,945	130,585	28%	30.59%
7	1897	281,639	654,262	141%	43.05%	51	1972	45,965	127,720	28%	35.99%	95	1908	79,418	260,894	56%	30.44%
8	1931	41,867	98,062	21%	42.69%	52	1948	86,108	239,980	52%	35.88%	96	1956	159,683	525,641	113%	30.38%
9	1926	98,598	232,782	50%	42.36%	53	1904	113,205	316,646	68%	35.75%	97	1916	472,994	1,571,597	339%	30.10%
10	2014	40,042	94,550	20%	42.35%	54	1987	75,108	211,408	46%	35.53%	98	2015	17,153	57,665	12%	29.75%
11	2000	129,406	306,496	66%	42.22%	55	1968	87,991	248,319	54%	35.43%	99	1935	103,787	350,647	76%	29.60%
12	2007	51,267	123,410	27%	41.54%	56	1927	184,721	521,717	113%	35.41%	100	2018	66,988	226,648	49%	29.56%
13	1992	74,394	179,153	39%	41.53%	57	1969	617,968	1,747,874	377%	35.36%	101	1917	165,062	560,304	121%	29.46%
14	1937	352,050	852,047	184%	41.32%	58	2004	78,343	222,002	48%	35.29%	102	1907	199,950	678,748	146%	29.46%
15	1919	140,215	342,997	74%	40.88%	59	1994	67,224	191,004	41%	35.20%	103	1932	154,742	526,432	114%	29.39%
16	1949	84,508	209,911	45%	40.26%	60	2003	113,472	325,076	70%	34.91%	104	1967	269,631	924,005	199%	29.18%
17	1973	288,652	723,768	156%	39.88%	61	1913	73,561	211,722	46%	34.74%	105	1930	67,851	232,582	50%	29.17%
18	1974	288,652	723,768	156%	39.88%	62	1900	68,295	196,888	42%	34.69%	106	1980	287,825	991,025	214%	29.04%
19	1946	155,476	390,747	84%	39.79%	63	1960	58,336	168,472	36%	34.63%	107	1963	137,839	476,579	103%	28.92%
20	1928	76,885	193,702	42%	39.69%	64	1985	146,799	424,293	92%	34.60%	108	1965	131,980	456,668	99%	28.90%
21	1954	139,719	354,117	76%	39.46%	65	1970	110,057	319,408	69%	34.46%	109	1991	79,763	276,543	60%	28.84%
22	2012	69,671	176,621	38%	39.45%	66	1945	205,509	597,350	129%	34.40%	110	1942	150,036	522,905	113%	28.69%
23	1979	164,935	419,859	91%	39.28%	67	1939	92,253	268,269	58%	34.39%	111	1902	109,904	389,596	84%	28.21%
24	1922	242,259	617,710	133%	39.22%	68	1993	200,864	584,691	126%	34.35%	112	2010	163,601	580,397	125%	28.19%
25	1929	85,995	219,532	47%	39.17%	69	1961	29,980	87,374	19%	34.31%	113	2011	261,005	942,858	203%	27.68%
26	2006	309,409	795,728	172%	38.88%	70	1990	38,600	113,344	24%	34.06%	114	2019	251,734	912,520	197%	27.59%
27	1941	386,666	995,657	215%	38.84%	71	1964	61,521	182,928	39%	33.63%	115	1995	255,046	929,221	200%	27.45%
28	1952	434,769	1,119,815	242%	38.83%	72	1894	98,801	295,400	64%	33.45%	116	1915	124,506	455,242	98%	27.35%
29	1895	268,635	694,729	150%	38.67%	73	1898	45,213	135,303	29%	33.42%	117	1971	66,635	244,475	53%	27.26%
30	1940	196,465	510,614	110%	38.48%	74	1978	363,157	1,094,375	236%	33.18%	118	1957	79,355	292,346	63%	27.14%
31	2013	39,509	102,915	22%	38.39%	75	1903	132,097	398,989	86%	33.11%	119	1998	308,440	1,137,373	245%	27.12%
32	1984	161,613	423,132	91%	38.19%	76	1986	293,335	886,674	191%	33.08%	120	1977	25,630	95,649	21%	26.80%
33	1958	316,974	831,669	179%	38.11%	77	2016	73,279	221,831	48%	33.03%	121	1962	135,884	515,474	111%	26.36%
34	1975	147,001	386,180	83%	38.07%	78	1950	98,483	299,906	65%	32.84%	122	1911	184,481	701,168	151%	26.31%
35	1936	219,404	581,624	125%	37.72%	79	1938	315,044	961,769	207%	32.76%	123	1953	86,019	329,570	71%	26.10%
36	1996	225,987	599,331	129%	37.71%	80	1925	102,016	313,113	68%	32.58%	124	1906	360,234	1,391,636	300%	25.89%
37	1999	95,199	252,627	55%	37.68%	81	2002	69,991	215,307	46%	32.51%	125	1899	51,353	213,710	46%	24.03%
38	1997	214,290	571,476	123%	37.50%	82	1951	85,039	261,884	57%	32.47%	126	1918	78,722	334,816	72%	23.51%
39	1966	82,336	219,893	47%	37.44%	83	1905	117,748	366,396	79%	32.14%	127	1896	86,174	372,922	80%	23.11%
40	2008	123,177	331,341	71%	37.18%	84	2017	385,311	1,200,499	259%	32.10%	128	1933	60,026	299,584	65%	20.04%
41	1934	43,065	116,145	25%	37.08%	85	1901	186,446	582,041	126%	32.03%						
42	1944	150,109	405,391	87%	37.03%	86	1982	254,985	796,794	172%	32.00%						
43	1920	158,904	430,813	93%	36.88%	87	1912	80,471	251,812	54%	31.96%						
44	2005	288,847	788,500	170%	36.63%	88	1909	382,617	1,218,975	263%	31.39%						

* Estimated April- July Runoff

REPORT OF THE KERN RIVER WATERMASTER

JUNE 2021

Quantities in S.F.D. except where noted

DAY	ISABELLA RESERVOIR				FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	CHANGE IN STORAGE+LOSS COMPUTED				MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW			DAY
	ELEVATION (FEET)	MIDNIGHT ACRE-FEET	STORAGE S.F.D.	LOSS			FIRST POINT REGULATED	+1ST POINT REGULATED	1ST POINT NATURAL	Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)		KERN RIVER			FRIANT- KERN	FRIANT- KERN INFLOW		
							FLOW	FLOW	FLOW	TOTAL	IRRIGATION							
Previous Day	2545.30	94,525	47,656	53	381	18	399	247	247	47,656	32,438	13	0	0	0	0		
1	2545.15	93,922	47,352	52	453	18	471	219	243	47,376	32,158	12	12	12	0	0	1	
2	2544.99	93,281	47,029	64	529	20	549	290	286	47,049	31,831	16	31	31	0	0	2	
3	2544.82	92,603	46,687	65	606	19	625	348	357	46,716	31,498	16	30	30	0	0	3	
4	2544.70	92,127	46,447	60	596	17	613	433	371	46,414	31,196	15	42	42	0	0	4	
5	2544.54	91,494	46,128	61	575	17	592	334	340	46,101	30,883	15	50	50	0	0	5	
6	2544.34	90,708	45,732	62	570	17	587	253	279	45,731	30,513	16	50	50	0	0	6	
7	2544.12	89,849	45,299	45	621	17	638	250	258	45,306	30,088	11	51	51	0	0	7	
8	2543.89	88,957	44,849	47	657	16	673	270	241	44,827	29,609	12	50	50	0	0	8	
9	2543.64	87,994	44,364	42	631	16	647	204	246	44,384	29,166	11	49	49	0	0	9	
10	2543.42	87,153	43,940	38	634	17	651	265	241	43,936	28,718	10	49	49	0	0	10	
11	2543.20	86,318	43,519	44	616	15	631	254	262	43,523	28,305	12	47	47	0	0	11	
12	2543.01	85,600	43,157	49	563	18	581	268	251	43,144	27,926	13	51	51	0	0	12	
13	2542.83	84,925	42,816	50	506	15	521	230	240	42,813	27,595	13	56	56	0	0	13	
14	2542.68	84,366	42,535	52	435	16	451	222	217	42,527	27,309	14	51	51	0	0	14	
15	2542.53	83,808	42,253	49	412	19	431	198	198	42,245	27,027	13	49	49	0	0	15	
16	2542.38	83,254	41,974	56	380	18	398	175	179	41,970	26,752	15	47	47	0	0	16	
17	2542.24	82,739	41,714	54	354	16	370	164	205	41,751	26,533	15	46	46	0	0	17	
18	2542.17	82,482	41,585	53	335	17	352	276	214	41,560	26,342	15	50	50	0	0	18	
19	2542.06	82,080	41,382	55	335	16	351	203	197	41,351	26,133	15	52	52	0	0	19	
20	2541.89	81,461	41,070	70	336	17	353	111	164	41,092	25,874	20	50	50	0	0	20	
21	2541.75	80,954	40,814	64	352	17	369	177	138	40,797	25,579	18	49	49	0	0	21	
22	2541.56	80,268	40,468	51	402	18	420	125	148	40,474	25,256	15	51	51	0	0	22	
23	2541.37	79,588	40,126	45	422	16	438	141	128	40,119	24,901	13	51	51	0	0	23	
24	2541.16	78,841	39,749	49	428	17	445	117	138	39,763	24,545	14	50	50	0	0	24	
25	2540.97	78,169	39,410	50	429	17	446	157	128	39,395	24,177	15	51	51	0	0	25	
26	2540.76	77,430	39,038	52	411	19	430	110	120	39,033	23,815	16	52	52	0	0	26	
27	2540.53	76,628	38,633	53	427	19	446	94	108	38,642	23,424	16	51	51	0	0	27	
28	2540.29	75,797	38,214	54	466	18	484	119	126	38,230	23,012	17	50	50	0	0	28	
29	2540.09	75,109	37,867	40	455	18	473	166	150	37,867	22,649	12	51	51	0	0	29	
30	2539.91	74,494	37,557	52	438	21	459	201	201	37,557	22,339	16	51	51	0	0	30	
TOTAL SECOND FOOT DAYS				1,578	14,374	521	14,895	6,374	6,374	37,557	22,339	431	1,420	1,420	0	0		
TOTAL ACRE-FEET				3,130	28,511	1,033	29,544	12,643	12,643	74,494	44,310	855	2,817	2,817	0	0		

By: MC Date: July 19, 2021

REPORT OF THE KERN RIVER WATERMASTER

JUNE 2021

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	FLOW ABOVE			RESERVOIR		ENT'L AT 2ND POINT	FLOW			LA HACIENDA INC.	RESERVOIR		ENTITLEMENT Contributed by:		FLOW		RESERVOIR		DAY
	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	ABOVE 1ST POINT	LOSS	STORAGE		VIA KDWD	VIA CWD	AT 2ND POINT		LOSS	STORAGE	NKWSD	BVWSD	FOR ID4	VIA PIO. PROJ.	LOSS	STORAGE	
Previous Day	247	381	18	37	21,967	0	0	0	0	16	10,471			0	0				
1	243	420	18	36	21,736	0	21	0	12	16	10,422			0	0		1		
2	286	472	20	44	21,486	0	26	0	31	20	10,345			0	0		2		
3	339	538	19	45	21,223	18	38	0	30	20	10,275			0	0		3		
4	348	505	17	42	21,007	23	49	0	42	18	10,189			0	0		4		
5	327	491	17	42	20,784	13	34	0	50	19	10,099			0	0		5		
6	279	482	17	43	20,521	0	38	0	50	19	9,992			0	0		6		
7	258	523	17	31	20,208	0	47	0	51	14	9,880			0	0		7		
8	241	534	16	33	19,866	0	73	0	50	14	9,743			0	0		8		
9	246	514	16	29	19,553	0	68	0	49	13	9,613			0	0		9		
10	241	526	17	26	19,225	0	59	0	49	12	9,493			0	0		10		
11	262	499	15	30	18,943	0	70	0	47	14	9,362			0	0		11		
12	251	448	18	34	18,694	0	64	0	51	15	9,232			0	0		12		
13	240	392	15	35	18,492	0	58	0	56	15	9,103			0	0		13		
14	217	351	16	36	18,306	0	33	0	51	16	9,003			0	0		14		
15	198	336	19	34	18,115	0	27	0	49	15	8,912			0	0		15		
16	179	319	18	39	17,918	0	14	0	47	17	8,834			0	0		16		
17	205	296	16	37	17,774	0	12	0	46	17	8,759			0	0		17		
18	214	262	17	37	17,672	0	23	0	50	16	8,670			0	0		18		
19	197	266	16	38	17,549	0	17	0	52	17	8,584			0	0		19		
20	164	268	17	49	17,379	0	18	0	50	21	8,495			0	0		20		
21	138	286	17	44	17,170	0	17	0	49	20	8,409			0	0		21		
22	148	333	18	35	16,932	0	18	0	51	16	8,324			0	0		22		
23	128	355	16	31	16,658	0	16	0	51	14	8,243			0	0		23		
24	138	363	17	34	16,382	0	15	0	50	15	8,163			0	0		24		
25	128	372	17	35	16,086	0	6	0	51	15	8,091			0	0		25		
26	120	348	19	36	15,803	0	11	0	52	16	8,012			0	0		26		
27	108	372	19	37	15,483	0	4	0	51	16	7,941			0	0		27		
28	126	412	18	37	15,142	0	4	0	50	17	7,870			0	0		28		
29	150	400	18	27	14,847	0	4	0	51	13	7,802			0	0		29		
30	201	381	21	36	14,610	0	6	0	51	16	7,729			0	0		30		
S.F.D.	6,320	12,064	521	1,092	14,610	54	890	0	1,420	0	486	7,729			0	0	S.F.D.		
AC.FT.	12,536	23,929	1,033	2,167	28,979	107	1,765	0	2,817	0	963	15,331			0	0	AC.FT.		

TOTAL ACRE-FOOT STORAGE DAYS

1,082,110

TOTAL ACRE-FOOT STORAGE DAYS

534,722

TOTAL ACRE-FOOT STORAGE DAYS

0

June 2021

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH DAY(S) PAGE NO. TITLE OF COLUMN COMMENT



KERN RIVER - NORTH FORK

Historical Inflows to Isabella Lake
June 1955-Present

Runoff in 1,00 acre-feet		
1955	83.4	1988 42.6
1956	167.4	1989 48.4
1957	131.8	1990 29.1
1958	231.7	1991 100.7
1959	33.0	1992 33.3
1960	45.5	1993 163.9
1961	23.8	1994 56.6
1962	154.7	1995 281.9
1963	162.3	1996 150.6
1964	52.3	1997 137.7
1965	149.9	1998 346.3
1966	45.4	1999 67.7
1967	302.9	2000 81.9
1968	62.1	2001 41.4
1969	485.6	2002 63.9
1970	92.7	2003 118.1
1971	81.1	2004 56.6
1972	37.7	2005 231.2
1973	226.5	2006 222.7
1974	166.7	2007 24.4
1975	138.8	2008 89.3
1976	18.9	2009 66.4
1977	34.5	2010 226.1
1978	351.9	2011 269.3
1979	105.5	2012 28.2
1980	274.9	2013 20.2
1981	65.7	2014 20.9
1982	194.9	2015 13.4
1983	567.1	2016 75.8
1984	90.7	2017 337.2
1985	100.4	2018 48.9
1986	250.4	2019 301
1987	54.5	2020 37.9
		2021 14.8

REPORT OF THE KERN RIVER WATERMASTER

JULY 2021

Quantities in S.F.D. except where noted

DAY	ISABELLA RESERVOIR				FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW			FRIANT-KERN INFLOW	DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE		+1ST POINT REGULATED				RECREATION POOL + DEAD STORAGE = 15,218 S.F.D. (30,184 ACFT)	IRRIGATION		KERN COUNTY RECREATION	AT 2ND POINT			KERN	FRIANT-KERN			
		ACRE-FEET	S.F.D.									LOSS					RIVER		
Previous Day	2539.91	74,494	37,557	52	438	21	459	201	201	37,557	22,339	16	51	51	0	0	0		
1	2539.75	73,951	37,284	51	335	18	353	131	126	37,279	22,061	16	50	50	0	0	0	1	
2	2539.58	73,376	36,994	49	337	20	357	116	117	36,990	21,772	16	47	47	0	0	0	2	
3	2539.39	72,738	36,672	51	359	17	376	105	110	36,673	21,455	16	57	57	0	0	0	3	
4	2539.19	72,071	36,336	54	373	18	391	109	105	36,333	21,115	18	60	60	0	0	0	4	
5	2538.99	71,408	36,002	52	364	19	383	101	104	36,002	20,784	17	57	57	0	0	0	5	
6	2538.80	70,781	35,685	52	352	16	368	103	115	35,697	20,479	17	47	47	0	0	0	6	
7	2538.65	70,290	35,438	56	315	18	333	142	110	35,418	20,200	19	53	53	0	0	0	7	
8	2538.49	69,769	35,175	52	276	18	294	83	112	35,184	19,966	18	49	49	0	0	0	8	
9	2538.32	69,218	34,897	49	322	18	340	111	92	34,887	19,669	17	29	29	0	0	0	9	
10	2538.14	68,638	34,605	56	303	16	319	83	105	34,617	19,399	19	0	0	0	0	0	10	
11	2537.98	68,126	34,347	63	299	17	316	121	111	34,349	19,131	22	0	0	0	0	0	11	
12	2537.85	67,712	34,138	58	264	17	281	130	133	34,143	18,925	20	0	0	0	0	0	12	
13	2537.76	67,426	33,994	47	228	18	246	149	130	33,980	18,762	16	0	0	0	0	0	13	
14	2537.65	67,078	33,819	53	216	18	234	112	121	33,814	18,596	19	0	0	0	0	0	14	
15	2537.53	66,699	33,627	55	220	17	237	100	112	33,634	18,416	19	0	0	0	0	0	15	
16	2537.42	66,354	33,453	53	227	17	244	123	110	33,447	18,229	19	0	0	0	0	0	16	
17	2537.30	65,979	33,264	48	231	18	249	108	137	33,287	18,069	17	0	0	0	0	0	17	
18	2537.23	65,761	33,155	38	232	17	249	178	125	33,125	17,907	14	0	0	0	0	0	18	
19	2537.10	65,357	32,951	46	229	17	246	88	144	32,977	17,759	17	0	0	0	0	0	19	
20	2537.01	65,078	32,810	48	242	17	259	166	124	32,794	17,576	18	0	0	0	0	0	20	
21	2536.89	64,709	32,624	52	235	17	252	118	124	32,614	17,396	19	0	0	0	0	0	21	
22	2536.76	64,309	32,422	45	226	18	244	87	99	32,424	17,206	17	0	0	0	0	0	22	
23	2536.61	63,851	32,192	49	257	16	273	92	82	32,184	16,966	18	0	0	0	0	0	23	
24	2536.42	63,274	31,901	47	295	17	312	68	88	31,913	16,695	18	0	0	0	0	0	24	
25	2536.21	62,641	31,582	50	356	16	372	103	113	31,604	16,386	19	0	0	0	0	0	25	
26	2536.07	62,221	31,370	21	342	17	359	168	131	31,355	16,137	8	0	0	0	0	0	26	
27	2535.95	61,863	31,189	35	251	16	267	121	134	31,187	15,969	14	0	0	0	0	0	27	
28	2535.83	61,503	31,008	37	239	18	257	113	112	31,005	15,787	14	0	0	0	0	0	28	
29	2535.70	61,122	30,816	38	241	16	257	103	121	30,831	15,613	15	0	0	0	0	0	29	
30	2535.60	60,827	30,667	30	250	17	267	148	133	30,667	15,449	12	0	0	0	0	0	30	
31	2535.53	60,621	30,563	31	221	17	238	165	165	30,563	15,345	12	0	0	0	0	0	31	
TOTAL SECOND FOOT DAYS				1,466	8,637	536	9,173	3,645	3,645	30,563	15,345	520	449	449	0	0	0		
TOTAL ACRE-FEET				2,908	17,131	1,064	18,195	7,230	7,230	60,621	30,437	1,031	891	891	0	0	0		

By: MC Date: August 23, 2021

REPORT OF THE KERN RIVER WATERMASTER

JULY 2021

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	FLOW ABOVE			RESERVOIR			ENTL AT 2ND POINT	FLOW			LA HACIENDA INC.	RESERVOIR		ENTITLEMENT		FLOW		RESERVOIR		DAY
	ENTL AT 1ST POINT	FLOW AT 1ST POINT	ABOVE 1ST POINT	LOSS	STORAGE	AT 2ND POINT		VIA KDWD	VIA CWD	AT 2ND POINT		LOSS	STORAGE	Contributed by: NKWSD	BVWSD	FOR ID4	VIA PIO. PROJ.	LOSS	STORAGE	
Previous Day	201	381	21	36	14,610	0	6	0	51	0	16	7,729					0	0		
1	126	280	18	35	14,403	0	5	0	50	0	16	7,658					0	0		1
2	117	284	20	34	14,182	0	6	0	47	0	15	7,590					0	0		2
3	110	300	17	35	13,940	0	2	0	57	0	16	7,515					0	0		3
4	105	311	18	37	13,679	0	2	0	60	0	17	7,436					0	0		4
5	104	305	19	35	13,424	0	2	0	57	0	17	7,360					0	0		5
6	115	302	16	35	13,186	0	3	0	47	0	17	7,293					0	0		6
7	110	256	18	38	12,984	0	6	0	53	0	18	7,216					0	0		7
8	112	209	18	35	12,834	0	18	0	49	0	17	7,132					0	0		8
9	92	167	18	33	12,708	0	16	110	29	0	16	6,961					0	0		9
10	105	183	16	38	12,576	0	10	110	0	0	18	6,823					0	0		10
11	111	195	17	43	12,432	0	32	72	0	0	20	6,699					0	0		11
12	133	241	17	40	12,267	0	23	0	0	0	18	6,658					0	0		12
13	130	202	18	32	12,145	0	26	0	0	0	15	6,617					0	0		13
14	121	194	18	36	12,018	0	22	0	0	0	17	6,578					0	0		14
15	112	201	17	38	11,874	0	19	0	0	0	17	6,542					0	0		15
16	110	199	17	36	11,732	0	28	0	0	0	17	6,497					0	0		16
17	137	198	18	33	11,620	0	33	0	0	0	15	6,449					0	0		17
18	125	200	17	26	11,502	0	32	0	0	0	12	6,405					0	0		18
19	144	198	17	31	11,400	0	31	0	0	0	15	6,359					0	0		19
20	124	141	17	33	11,333	0	26	75	0	0	15	6,243					0	0		20
21	124	139	17	36	11,265	0	21	75	0	0	16	6,131					0	0		21
22	99	115	18	31	11,200	0	36	75	0	0	14	6,006					0	0		22
23	82	94	16	34	11,138	0	38	125	0	0	15	5,828					0	0		23
24	88	199	17	33	10,977	0	25	71	0	0	14	5,718					0	0		24
25	113	287	16	35	10,752	0	24	45	0	0	15	5,634					0	0		25
26	131	320	17	15	10,531	0	22	0	0	0	6	5,606					0	0		26
27	134	230	16	24	10,395	0	21	0	0	0	11	5,574					0	0		27
28	112	216	18	25	10,248	0	23	0	0	0	12	5,539					0	0		28
29	121	212	16	26	10,115	0	29	0	0	0	12	5,498					0	0		29
30	133	226	17	21	9,984	0	24	0	0	0	9	5,465					0	0		30
31	165	200	17	21	9,911	0	21	0	0	0	10	5,434					0	0		31
S.F.D.	3,645	6,804	536	1,004	9,911	0	626	758	449	0	462	5,434					0	0		S.F.D.
AC.FT.	7,230	13,494	1,064	1,992	19,659	0	1,242	1,504	891	0	916	10,778					0	0		AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 731,415

TOTAL ACRE-FOOT STORAGE DAYS 397,614

TOTAL ACRE-FOOT STORAGE DAYS 0

JULY 2021
WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH DAY(S) PAGE NO. TITLE OF COLUMN COMMENT

KERN RIVER NATURAL FLOW
FIRST POINT OF MEASUREMENT
APRIL - JULY

1894 - TO DATE

In order of Magnitude

Quantities in acre-feet

YEAR	APR	MAY	JUN	JUL	TOTAL	% OF AVERAGE	YEAR	APR	MAY	JUN	JUL	TOTAL	% OF AVERAGE	YEAR	APR	MAY	JUN	JUL	TOTAL	% OF AVERAGE
2015	13,662	17,153	13,813	13,037	57,665	13%	1957	38,644	79,355	132,359	41,988	292,346	64%	1907	197,720	199,950	183,995	97,083	678,748	148%
2021	22,530	28,034	12,643	7,230	70,437	15%	2009	63,650	130,352	65,252	35,907	295,161	64%	1914	144,934	210,676	201,064	128,338	685,012	149%
1961	24,137	29,980	24,305	8,952	87,374	19%	1894	88,974	98,801	64,564	43,061	295,400	64%	1895	162,071	268,635	172,890	91,133	694,729	152%
1924	28,540	41,722	14,069	8,225	92,556	20%	1933	57,265	60,026	125,395	56,898	299,584	65%	1943	198,736	254,785	155,650	88,011	697,182	152%
2014	26,527	40,042	20,965	7,016	94,550	21%	1950	76,155	98,483	90,367	34,901	299,906	65%	1911	138,113	184,481	222,076	156,498	701,168	153%
1977	23,391	25,630	35,655	10,973	95,649	21%	2000	67,388	129,406	81,396	28,306	306,496	67%	1973	110,892	288,652	230,390	93,834	723,768	158%
1931	23,440	41,867	24,262	8,493	98,062	21%	1925	56,408	102,016	96,252	58,437	313,113	68%	2005	132,119	288,847	238,352	129,182	788,500	172%
2013	32,212	39,509	19,494	11,700	102,915	22%	1904	59,812	113,205	103,904	39,725	316,646	69%	2006	147,043	309,409	232,520	106,756	795,728	174%
1976	25,924	47,151	20,930	14,749	108,754	24%	1970	63,513	110,057	95,700	50,138	319,408	70%	1982	212,963	254,985	198,748	130,098	796,794	174%
1990	32,019	38,600	29,345	13,380	113,344	25%	1921	51,723	100,096	120,387	49,119	321,325	70%	1958	168,105	316,974	230,866	115,724	831,669	181%
1934	39,919	43,065	21,820	11,341	116,145	25%	2003	56,146	113,472	118,383	37,075	325,076	71%	1937	183,505	352,050	225,395	91,097	852,047	186%
2007	35,649	51,267	24,131	12,363	123,410	27%	1953	70,730	86,019	103,164	69,657	329,570	72%	1986	208,147	293,335	263,794	121,398	886,674	193%
1972	28,288	45,965	38,531	14,936	127,720	28%	2008	80,991	123,177	89,078	38,095	331,341	72%	2019	203,673	251,734	302,910	154,203	912,520	199%
1959	40,566	39,945	32,061	18,013	130,585	28%	1923	73,355	120,849	82,528	55,800	332,532	73%	1967	99,509	269,631	311,063	243,802	924,005	202%
1898	42,248	45,213	32,809	15,033	135,303	30%	1918	74,513	78,722	136,753	44,828	334,816	73%	1995	143,244	255,046	293,129	237,802	929,221	203%
1988	39,584	58,350	43,140	20,969	162,043	35%	1919	86,574	140,215	81,844	34,364	342,997	75%	2011	231,304	261,005	274,675	175,874	942,858	206%
1960	46,272	58,336	47,181	16,683	168,472	37%	1935	71,042	103,787	133,634	42,184	350,647	77%	1938	223,928	315,044	291,880	130,917	961,769	210%
2012	65,851	69,671	26,945	14,154	176,621	39%	1910	102,883	127,733	79,464	42,046	352,126	77%	1980	211,608	287,825	282,877	208,715	991,025	216%
1992	55,448	74,394	32,987	16,324	179,153	39%	1954	101,203	139,719	73,553	39,642	354,117	77%	1941	124,615	386,666	309,960	174,416	995,657	217%
1964	42,946	61,521	54,658	23,803	182,928	40%	1905	62,047	117,748	132,766	53,835	366,396	80%	1978	181,700	363,157	354,825	194,693	1,094,375	239%
1994	46,489	67,224	56,223	21,068	191,004	42%	1896	57,864	86,174	146,124	82,760	372,922	81%	1952	222,633	434,769	302,557	159,856	1,119,815	244%
1928	37,757	76,885	60,344	18,716	193,702	42%	1975	46,602	147,001	140,660	51,917	386,180	84%	1998	189,663	308,440	371,835	267,435	1,137,373	248%
2020	59,213	86,350	35,786	15,453	196,802	43%	1902	107,403	109,904	128,853	43,436	389,596	85%	2017	290,457	385,311	343,801	180,930	1,200,499	262%
1900	28,102	68,295	76,366	24,125	196,888	43%	1946	109,658	155,476	85,880	39,733	390,747	85%	1909	247,402	382,617	394,086	194,870	1,218,975	266%
1949	50,517	84,508	57,685	17,201	209,911	46%	1903	74,315	132,097	139,222	53,355	398,989	87%	1906	173,143	360,234	458,418	399,841	1,391,636	304%
1987	55,236	75,108	56,146	24,918	211,408	46%	1944	80,223	150,109	115,862	59,197	405,391	88%	1983	206,473	478,625	571,846	288,866	1,545,810	337%
1913	42,494	73,561	60,738	34,929	211,722	46%	1979	102,079	164,935	106,112	46,733	419,859	92%	1916	481,749	472,994	391,700	225,154	1,571,597	343%
1899	53,133	51,353	79,178	30,046	213,710	47%	1884	91,359	161,613	93,114	77,046	423,132	92%	1969	378,333	617,968	496,796	254,777	1,747,874	381%
2002	58,838	69,991	63,775	22,703	215,307	47%	1985	136,241	146,799	99,858	41,395	424,293	93%							
1929	39,064	85,995	63,487	30,986	219,532	48%	1920	83,370	158,904	137,840	50,699	430,813	94%	MAXIMUM	481,749	617,968	571,846	399,841	1,747,874	
1966	68,779	82,336	45,431	23,347	219,893	48%	1915	80,916	124,506	172,324	77,496	455,242	99%	MINIMUM	13,662	17,153	12,643	7,016	57,665	
2016	50,386	73,279	75,628	22,838	221,831	48%	1965	80,043	131,980	149,357	95,288	456,668	100%	AVERAGE	98,534	153,357	135,930	70,535	458,356	
2004	64,197	78,343	56,378	23,084	222,002	48%	1963	69,412	137,839	163,944	105,384	476,579	104%							
1955	37,567	69,544	86,660	31,014	224,785	49%	1940	118,175	196,465	145,503	50,471	510,614	111%							
2018	84,716	66,988	46,574	28,370	226,648	49%	1962	147,463	135,884	157,253	74,874	515,474	112%							
1930	53,506	67,851	82,824	28,401	232,582	51%	1927	100,362	184,721	161,153	75,481	521,717	114%							
1926	66,079	98,598	49,530	18,575	232,782	51%	1942	112,586	150,036	178,754	81,529	522,905	114%							
1989	91,380	71,849	49,823	21,378	234,430	51%	1956	97,553	159,683	168,876	99,529	525,641	115%							
1948	43,976	86,108	78,565	31,331	239,980	52%	1932	111,273	154,742	166,404	94,013	526,432	115%							
1971	52,661	66,635	82,707	42,472	244,475	53%	1974	114,113	183,733	167,740	69,580	535,166	117%							
1968	65,584	87,991	64,054	30,690	248,319	54%	1917	126,329	165,062	187,638	81,275	560,304	122%							
1947	60,353	110,325	57,778	21,116	249,572	54%	1997	142,909	214,290	142,358	71,919	571,476	125%							
2001	58,249	124,417	43,033	24,593	250,292	55%	2010	95,484	163,601	226,437	94,875	580,397	127%							
1912	37,246	80,471	100,925	33,170	251,812	55%	1936	157,290	219,404	137,028	67,902	581,624	127%							
1999	55,843	95,199	68,733	32,852	252,627	55%	1901	83,190	186,446	197,792	114,613	582,041	127%							
1981	69,320	91,914	65,817	25,630	252,681	55%	1993	133,993	200,864	162,420	87,414	584,691	128%							
1908	79,320	79,418	60,305	41,851	260,894	57%	1945	131,246	205,509	169,002	91,593	597,350	130%							
1951	48,914	85,039	88,990	38,941	261,884	57%	1996	147,959	225,987	154,883	70,502	599,331	131%							
1939	92,136	92,253	58,400	25,480	268,269	59%	1922	84,407	242,259	202,395	88,649	617,710	135%							
1991	58,092	79,763	100,423	38,265	276,543	60%	1897	173,393	281,639	137,393	61,837	654,262	143%							

REPORT OF THE KERN RIVER WATERMASTER

AUGUST 2021

Quantities in S.F.D. except where noted

DAY	ISABELLA RESERVOIR				FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW			DAY		
	ELEVATION (FEET)	MIDNIGHT STORAGE		LOSS				+1ST POINT REGULATED FLOW	RECREATION POOL + Dead Storage = 15,218 S.F.D. (30,184 ACFT)		TOTAL	IRRIGATION			AT 2ND POINT		KERN RIVER		FRIANT-KERN	KERN INFLOW
		ACRE-FEET	S.F.D.												ACRE-FEET	S.F.D.				
Previous Day	2535.53	60,621	30,563	31	221	17	238	165	165	30,563	15,345	13	0	0	0	0	0			
1	2535.46	60,416	30,460	46	206	17	223	166	161	30,455	15,237	18	0	0	0	0	1			
2	2535.37	60,153	30,327	49	218	16	234	150	155	30,327	15,109	20	0	0	0	0	2			
3	2535.29	59,920	30,210	48	200	17	217	148	148	30,210	14,992	19	0	0	0	0	3			
4	2535.21	59,688	30,093	49	195	18	213	145	132	30,080	14,862	20	0	0	0	0	4			
5	2535.10	59,369	29,932	51	197	17	214	104	120	29,935	14,717	21	0	0	0	0	5			
6	2535.00	59,081	29,787	50	188	18	206	111	116	29,795	14,577	20	0	0	0	0	6			
7	2534.94	58,908	29,699	44	161	17	178	134	116	29,689	14,471	18	0	0	0	0	7			
8	2534.88	58,735	29,612	43	132	15	147	103	104	29,603	14,385	18	0	0	0	0	8			
9	2534.81	58,535	29,511	43	115	18	133	75	84	29,511	14,293	18	0	0	0	0	9			
10	2534.72	58,278	29,382	42	143	18	161	74	74	29,382	14,164	17	0	0	0	0	10			
11	2534.64	58,050	29,267	35	136	17	153	73	83	29,277	14,059	15	0	0	0	0	11			
12	2534.57	57,851	29,167	49	136	17	153	102	83	29,158	13,940	20	0	0	0	0	12			
13	2534.48	57,597	29,039	48	135	18	153	73	92	29,049	13,831	20	0	0	0	0	13			
14	2534.42	57,427	28,953	44	127	17	144	102	92	28,953	13,735	18	0	0	0	0	14			
15	2534.36	57,258	28,868	46	122	17	139	100	100	28,868	13,650	19	0	0	0	0	15			
16	2534.32	57,145	28,811	44	93	17	110	97	89	28,803	13,585	19	0	0	0	0	16			
17	2534.26	56,977	28,726	49	91	16	107	71	77	28,724	13,506	21	0	0	0	0	17			
18	2534.19	56,781	28,627	43	102	18	120	64	75	28,636	13,418	18	0	0	0	0	18			
19	2534.15	56,669	28,571	29	100	18	118	91	73	28,562	13,344	12	0	0	0	0	19			
20	2534.10	56,530	28,501	34	84	17	101	65	78	28,505	13,287	15	0	0	0	0	20			
21	2534.05	56,390	28,430	34	97	18	115	78	81	28,437	13,219	15	0	0	0	0	21			
22	2534.01	56,279	28,374	35	104	18	122	101	89	28,369	13,151	15	0	0	0	0	22			
23	2533.96	56,141	28,304	35	106	16	122	87	93	28,305	13,087	15	0	0	0	0	23			
24	2533.92	56,030	28,248	34	95	17	112	90	81	28,240	13,022	15	0	0	0	0	24			
25	2533.86	55,863	28,164	36	97	17	114	66	76	28,166	12,948	16	0	0	0	0	25			
26	2533.80	55,697	28,081	36	101	18	119	72	76	28,087	12,869	16	0	0	0	0	26			
27	2533.76	55,587	28,025	39	90	17	107	90	91	28,032	12,814	17	0	0	0	0	27			
28	2533.74	55,533	27,998	40	81	17	98	111	93	27,987	12,769	17	0	0	0	0	28			
29	2533.70	55,423	27,942	40	79	16	95	79	86	27,938	12,720	18	0	0	0	0	29			
30	2533.63	55,230	27,845	41	106	17	123	67	71	27,845	12,627	18	0	0	0	0	30			
31	2533.55	55,011	27,735	45	116	17	133	68	68	27,735	12,517	20	0	0	0	0	31			
TOTAL SECOND FOOT DAYS				1,301	3,953	531	4,484	2,957	2,957	27,735	12,517	548	0	0	0	0				
TOTAL ACRE-FEET				2,581	7,841	1,053	8,894	5,865	5,865	55,011	24,827	1,087	0	0	0	0				

By: MC Date: September 15, 2021

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

AUGUST 2021

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	NORTH KERN WATER STORAGE DISTRICT			BUENA VISTA WATER STORAGE DISTRICT						HACIENDA WATER DISTRICT									
	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	RESERVOIR		ENT'L AT 2ND POINT	FLOW			ENTL AT 2ND POINT	LA HACIENDA INC	RESERVOIR		ENTITLEMENT Contributed by:		FLOW		RESERVOIR	
				LOSS	STORAGE		KDWD	CWD			LOSS	STORAGE	NKWSD	BVWSD	FOR ID4	VIA PIO. PROJ	LOSS	STORAGE	DAY
Previous Day	165	200	17	21	9,911	0	21	0	0	0	10	5,434					0	0	
1	161	193	17	32	9,830	0	13	0	0	0	14	5,407					0	0	1
2	155	205	16	34	9,730	0	13	0	0	0	15	5,379					0	0	2
3	148	190	17	33	9,638	0	10	0	0	0	15	5,354					0	0	3
4	132	191	18	34	9,527	0	4	0	0	0	15	5,335					0	0	4
5	120	188	17	35	9,407	0	9	0	0	0	16	5,310					0	0	5
6	116	150	18	34	9,321	0	38	0	0	0	16	5,256					0	0	6
7	116	107	17	30	9,283	0	54	0	0	0	14	5,188					0	0	7
8	104	118	15	30	9,224	0	14	0	0	0	13	5,161					0	0	8
9	84	104	18	30	9,156	0	11	0	0	0	13	5,137					0	0	9
10	74	95	18	29	9,088	0	14	34	0	0	13	5,076					0	0	10
11	83	87	17	24	9,043	0	15	34	0	0	11	5,016					0	0	11
12	83	86	17	34	8,989	0	16	34	0	0	15	4,951					0	0	12
13	92	118	18	33	8,912	0	17	0	0	0	15	4,919					0	0	13
14	92	116	17	30	8,841	0	11	0	0	0	14	4,894					0	0	14
15	100	118	17	32	8,774	0	4	0	0	0	14	4,876					0	0	15
16	89	93	17	30	8,723	0	0	0	0	0	14	4,862					0	0	16
17	77	91	16	34	8,659	0	0	0	0	0	15	4,847					0	0	17
18	75	98	18	30	8,588	0	4	0	0	0	13	4,830					0	0	18
19	73	95	18	20	8,528	0	5	0	0	0	9	4,816					0	0	19
20	78	81	17	23	8,485	0	3	0	0	0	11	4,802					0	0	20
21	81	97	18	23	8,428	0	0	0	0	0	11	4,791					0	0	21
22	89	90	18	24	8,385	0	14	0	0	0	11	4,766					0	0	22
23	93	101	16	24	8,337	0	5	0	0	0	11	4,750					0	0	23
24	81	90	17	23	8,288	0	5	0	0	0	11	4,734					0	0	24
25	76	95	17	25	8,227	0	2	0	0	0	11	4,721					0	0	25
26	76	95	18	25	8,165	0	6	0	0	0	11	4,704					0	0	26
27	91	84	17	27	8,128	0	6	0	0	0	12	4,686					0	0	27
28	93	73	17	27	8,104	0	8	0	0	0	13	4,665					0	0	28
29	86	73	16	27	8,074	0	6	0	0	0	13	4,646					0	0	29
30	71	99	17	28	8,001	0	7	0	0	0	13	4,626					0	0	30
31	68	107	17	31	7,914	0	9	0	0	0	14	4,603					0	0	31
S.F.D.	2,957	3,528	531	895	7,914	0	323	102	0	0	406	4,603					0	0	S.F.D.
AC.FT.	5,865	6,997	1,053	1,776	15,698	0	641	203	0	0	805	9,129					0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS

539,101

TOTAL ACRE-FOOT STORAGE DAYS

303,685

TOTAL ACRE-FOOT STORAGE DAYS

0

REPORT OF THE KERN RIVER WATERMASTER

AUGUST 2021
WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH DAY(S) PAGE NO. TITLE OF COLUMN COMMENT

**2021 April-July Unimpaired Runoff
Central Valley Streams**

**April -July Flow
in 1000 Acre-Feet**

Watershed	(1) 50-Year Average	Median Forecast as of				(2) 2021 Actual	% of Average
		Feb. 1	Mar. 1	Apr. 1	May 1		
Sacramento River above Bend Bridge	2421	1650	1540	1520	1180	1146	47%
Feather River at Oroville Reservoir	1704	1090	1010	1020	630	515	30%
Yuba River at Smartville	968	700	630	600	380	277	29%
American River at Folsom Reservoir	1199	860	770	740	480	369	31%
Cosumnes River at Michigan Bar	125	75	60	55	31	26	21%
Mokelumne River at Pardee Reservoir	457	360	300	260	190	144	32%
Stanislaus River at Melones Reservoir	682	500	400	360	260	212	31%
Tuolumne River at Don Pedro Reservoir	1193	930	720	650	520	449	38%
Merced River at Lake McClure	623	470	330	300	240	207	33%
San Joaquin River at Millerton Lake	1228	840	620	470	370	360	29%
Kings River at Pine Flat Reservoir	1210	720	510	400	330	283	23%
Kaweah River at Terminus Reservoir	285	150	100	80	60	45	16%
Tule River at Success Reservoir	63	25	12	9	6	5	8%
KERN RIVER AT ISABELLA LAKE	458	210	135	110	75	70	15%

(1) All 50-year averages are based on data for water years 1966-2015

(2) Source: State of California Department of Water Resources

REPORT OF THE KERN RIVER WATERMASTER

SEPTEMBER 2021

Quantities in S.F.D. except where noted

DAY	ISABELLA RESERVOIR				FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS +1ST POINT REGULATED FLOW	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW			DAY
	ELEVATION (FEET)	MIDNIGHT ACRE-FEET	STORAGE S.F.D.	LOSS						RECREATION Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	IRRIGATION			AT 2ND POINT KERN RIVER	FRIANT- KERN	FRIANT- KERN INFLOW	
Previous Day	2533.55	55,011	27,735	45	116	17	133	68	68	27,735	12,517	20	0	0	0	0	
1	2533.48	54,820	27,638	49	120	18	138	90	90	27,638	12,420	22	0	0	0	0	1
2	2533.42	54,657	27,556	42	111	20	131	91	92	27,557	12,339	19	0	0	0	0	2
3	2533.39	54,575	27,515	36	82	18	100	95	89	27,510	12,292	16	0	0	0	0	3
4	2533.36	54,494	27,474	37	69	17	86	82	88	27,475	12,257	16	0	0	0	0	4
5	2533.33	54,412	27,433	41	70	17	87	87	81	27,428	12,210	18	0	0	0	0	5
6	2533.29	54,304	27,378	39	73	18	91	75	80	27,378	12,160	17	0	0	0	0	6
7	2533.25	54,196	27,324	40	75	15	90	76	81	27,329	12,111	18	0	0	0	0	7
8	2533.22	54,115	27,283	41	73	18	91	91	108	27,305	12,087	18	0	0	0	0	8
9	2533.25	54,196	27,324	32	69	16	85	158	99	27,287	12,069	14	0	0	0	0	9
10	2533.20	54,061	27,256	30	68	18	86	48	81	27,252	12,034	14	0	0	0	0	10
11	2533.12	53,845	27,147	36	93	17	110	37	52	27,158	11,940	16	0	0	0	0	11
12	2533.04	53,630	27,038	35	128	17	145	71	70	27,048	11,830	16	0	0	0	0	12
13	2532.98	53,469	26,957	34	131	17	148	101	84	26,950	11,732	15	0	0	0	0	13
14	2532.92	53,309	26,877	30	114	17	131	81	93	26,882	11,664	14	0	0	0	0	14
15	2532.87	53,175	26,809	31	116	16	132	95	95	26,814	11,596	14	0	0	0	0	15
16	2532.84	53,095	26,769	35	95	18	113	108	85	26,751	11,533	16	0	0	0	0	16
17	2532.78	52,936	26,689	35	82	16	98	53	79	26,697	11,479	16	0	0	0	0	17
18	2532.74	52,830	26,635	31	81	18	99	76	51	26,618	11,400	14	0	0	0	0	18
19	2532.67	52,644	26,541	30	74	14	88	24	73	26,573	11,355	14	0	0	0	0	19
20	2532.67	52,644	26,541	30	70	19	89	119	79	26,533	11,315	14	0	0	0	0	20
21	2532.65	52,591	26,515	38	68	15	83	95	92	26,504	11,286	18	0	0	0	0	21
22	2532.61	52,485	26,461	32	66	18	84	62	82	26,470	11,252	15	0	0	0	0	22
23	2532.59	52,433	26,435	27	73	15	88	89	73	26,428	11,210	13	0	0	0	0	23
24	2532.55	52,327	26,382	23	82	17	99	69	70	26,376	11,158	11	0	0	0	0	24
25	2532.48	52,143	26,289	28	103	15	118	53	67	26,297	11,079	13	0	0	0	0	25
26	2532.43	52,012	26,223	19	110	16	126	79	73	26,225	11,007	9	0	0	0	0	26
27	2532.38	51,881	26,157	28	109	15	124	86	78	26,151	10,933	13	0	0	0	0	27
28	2532.32	51,724	26,078	21	109	17	126	68	84	26,088	10,870	10	0	0	0	0	28
29	2532.28	51,619	26,025	23	113	15	128	98	88	26,025	10,807	11	0	0	0	0	29
30	2532.25	51,541	25,985	25	113	19	132	117	117	25,985	10,767	12	0	0	0	0	30
TOTAL SECOND FOOT DAYS				978	2,740	506	3,246	2,474	2,474	25,985	10,767	446	0	0	0	0	
TOTAL ACRE-FEET				1,939	5,434	1,004	6,438	4,907	4,907	51,541	21,357	885	0	0	0	0	

By: MC Date: October 15, 2021

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

SEPTEMBER 2021

<u>NORTH KERN WATER STORAGE DISTRICT</u>						<u>BUENA VISTA WATER STORAGE DISTRICT</u>					<u>HACIENDA WATER DISTRICT</u>											
DAY	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	RESERVOIR		ENT'L AT 2ND POINT	FLOW			HACIENDA La INC.	RESERVOIR		ENTITLEMENT		FLOW			RESERVOIR		DAY		
				LOSS	STORAGE		VIA KDWD	VIA CWD	AT 2ND POINT		Contributed by:	VIA KDWD	For ID#4	VIA PIO. PROJ.	LOSS	STORAGE						
Previous Day	68	107	17	31	7,914	0	9	0	0	0	14	4,603										
1	90	112	18	34	7,840	0	8	0	0	0	15	4,580								0	0	1
2	92	96	20	29	7,787	0	15	0	0	0	13	4,552								0	0	2
3	89	70	18	25	7,763	0	12	0	0	0	11	4,529								0	0	3
4	88	58	17	25	7,751	0	11	0	0	0	12	4,506								0	0	4
5	81	58	17	28	7,729	0	12	0	0	0	13	4,481								0	0	5
6	80	63	18	27	7,701	0	10	0	0	0	12	4,459								0	0	6
7	81	65	15	27	7,675	0	10	0	0	0	13	4,436								0	0	7
8	108	67	18	28	7,670	0	6	0	0	0	13	4,417								0	0	8
9	99	69	16	22	7,662	0	0	0	0	0	10	4,407								0	0	9
10	81	68	18	21	7,636	0	0	0	0	0	9	4,398								0	0	10
11	52	93	17	25	7,553	0	0	0	0	0	11	4,387								0	0	11
12	70	128	17	24	7,454	0	0	0	0	0	11	4,376								0	0	12
13	84	131	17	23	7,367	0	0	0	0	0	11	4,365								0	0	13
14	93	114	17	21	7,308	0	0	0	0	0	9	4,356								0	0	14
15	95	116	16	21	7,250	0	0	0	0	0	10	4,346								0	0	15
16	85	95	18	24	7,198	0	0	0	0	0	11	4,335								0	0	16
17	79	82	16	24	7,155	0	0	0	0	0	11	4,324								0	0	17
18	51	81	18	21	7,086	0	0	0	0	0	10	4,314								0	0	18
19	73	74	14	20	7,051	0	0	0	0	0	10	4,304								0	0	19
20	79	70	19	20	7,021	0	0	0	0	0	10	4,294								0	0	20
21	92	68	15	26	7,004	0	0	0	0	0	12	4,282								0	0	21
22	82	66	18	22	6,980	0	0	0	0	0	10	4,272								0	0	22
23	73	73	15	18	6,947	0	0	0	0	0	9	4,263								0	0	23
24	70	82	17	16	6,902	0	0	0	0	0	7	4,256								0	0	24
25	67	103	15	19	6,832	0	0	0	0	0	9	4,247								0	0	25
26	73	110	16	13	6,766	0	0	0	0	0	6	4,241								0	0	26
27	78	109	15	19	6,701	0	0	0	0	0	9	4,232								0	0	27
28	84	109	17	14	6,645	0	0	0	0	0	7	4,225								0	0	28
29	88	113	15	16	6,589	0	0	0	0	0	7	4,218								0	0	29
30	117	113	19	17	6,557	0	0	0	0	0	8	4,210								0	0	30
S.F.D.	2,474	2,656	506	669	6,557	0	84	0	0	0	309	4,210								0	0	S.F.D.
AC.FT.	4,907	5,267	1,004	1,327	13,007	0	167	0	0	0	612	8,350								0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS

431,563

TOTAL ACRE-FOOT STORAGE DAYS

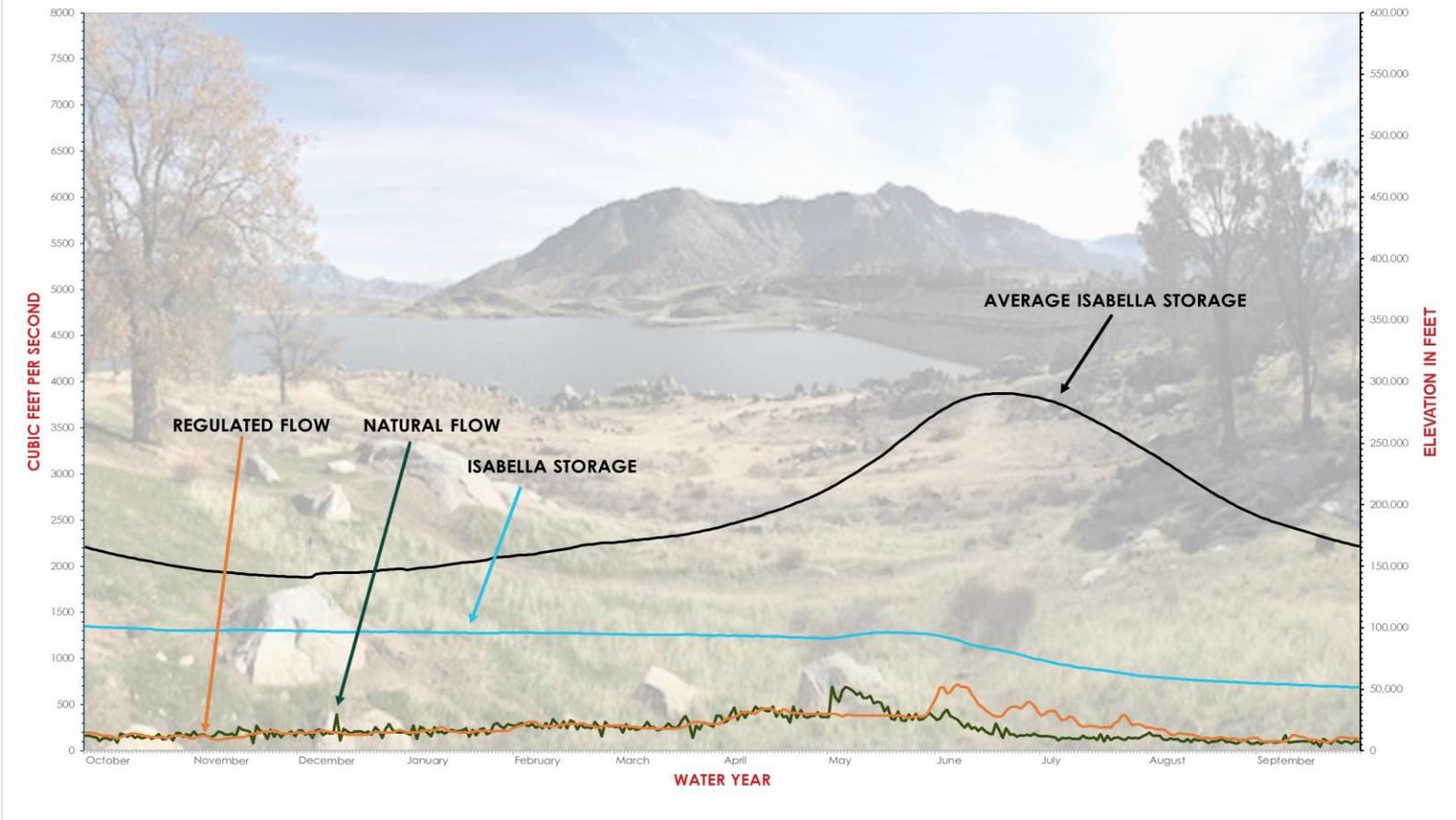
259,065

TOTAL ACRE-FOOT STORAGE DAYS

0

MONTH DAY(S) PAGE NO. TITLE OF COLUMN COMMENT

**KERN RIVER NATURAL FLOW, REGULATED FLOW, & ISABELLA RESERVOIR STORAGE
 2020 - 2021 WATER YEAR**



REPORT OF THE KERN RIVER WATERMASTER

OCTOBER 2021

Quantities in S.F.D. except where noted

DAY	ISABELLA RESERVOIR				FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE		LOSS				+1ST POINT REGULATED FLOW	Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)		IRRIGATION	KERN RIVER			FRIANT-KERN		
		ACRE-FEET	S.F.D.														
Previous Day	2532.25	51,541	25,985	25	113	19	132	117	117	117	25,985	10,767	12	0	0	0	
1	2532.23	51,489	25,959	28	90	17	107	109	108	108	25,958	10,740	13	0	0	0	1
2	2532.21	51,437	25,933	27	88	16	104	105	101	101	25,928	10,710	13	0	0	0	2
3	2532.17	51,333	25,880	29	96	17	113	89	92	92	25,878	10,660	14	0	0	0	3
4	2532.11	51,177	25,802	21	124	15	139	82	91	91	25,809	10,591	10	0	0	0	4
5	2532.06	51,047	25,736	25	126	18	144	103	104	104	25,744	10,526	12	0	0	0	5
6	2532.05	51,022	25,724	25	98	15	113	126	111	111	25,717	10,499	12	0	0	0	6
7	2532.03	50,970	25,697	23	92	17	109	105	97	97	25,682	10,464	11	0	0	0	7
8	2531.99	50,867	25,645	14	83	15	98	60	91	91	25,661	10,443	7	0	0	0	8
9	2531.98	50,841	25,632	20	88	14	102	109	95	95	25,634	10,416	10	0	0	0	9
10	2531.97	50,815	25,619	23	85	19	104	114	100	100	25,607	10,389	11	0	0	0	10
11	2531.94	50,738	25,580	17	85	14	99	77	105	105	25,596	10,378	8	0	0	0	11
12	2531.93	50,712	25,567	20	101	16	117	124	111	111	25,570	10,352	10	0	0	0	12
13	2531.91	50,661	25,542	20	120	16	136	131	136	136	25,550	10,332	10	0	0	0	13
14	2531.92	50,686	25,554	18	110	14	124	154	144	144	25,552	10,334	9	0	0	0	14
15	2531.92	50,686	25,554	27	103	17	120	147	145	145	25,550	10,332	13	0	0	0	15
16	2531.91	50,661	25,542	28	102	17	119	135	133	133	25,536	10,318	14	0	0	0	16
17	2531.89	50,609	25,515	25	103	14	117	115	121	121	25,515	10,297	12	0	0	0	17
18	2531.88	50,583	25,502	16	94	16	110	113	121	121	25,510	10,292	8	0	0	0	18
19	2531.89	50,609	25,515	17	88	17	105	135	123	123	25,511	10,293	8	0	0	0	19
20	2531.89	50,609	25,515	20	83	17	100	120	127	127	25,518	10,300	10	0	0	0	20
21	2531.89	50,609	25,515	19	89	17	106	125	113	113	25,506	10,288	9	0	0	0	21
22	2531.86	50,532	25,477	18	96	18	114	94	120	120	25,494	10,276	9	0	0	0	22
23	2531.87	50,558	25,490	15	98	16	114	142	120	120	25,485	10,267	7	0	0	0	23
24	2531.86	50,532	25,477	16	106	16	122	125	135	135	25,482	10,264	8	0	0	0	24
25	2531.86	50,532	25,477	9	118	11	129	138	185	185	25,529	10,311	4	0	0	0	25
26	2531.97	50,815	25,619	14	122	15	137	293	204	204	25,582	10,364	7	0	0	0	26
27	2531.99	50,867	25,645	13	126	16	142	181	222	222	25,649	10,431	6	0	0	0	27
28	2531.97	50,815	25,619	18	183	17	200	192	200	200	25,631	10,413	9	0	0	0	28
29	2531.96	50,790	25,607	18	207	15	222	228	208	208	25,599	10,381	9	0	0	0	29
30	2531.94	50,738	25,580	19	194	17	211	203	211	211	25,580	10,362	9	0	0	0	30
31	2531.93	50,712	25,567	22	175	19	194	203	203	203	25,567	10,349	11	0	0	0	31
TOTAL SECOND FOOT DAYS				624	3,473	498	3,971	4,177	4,177	4,177	25,567	10,349	303	0	0	0	
TOTAL ACRE-FEET				1,238	6,889	987	7,876	8,285	8,285	8,285	50,712	20,528	601	0	0	0	

By: MC Date: November 12, 2021

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

OCTOBER 2021

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT					HACIENDA WATER DISTRICT								
	ENTL	FLOW	FLOW	RESERVOIR		ENT'L	STATE/MET			SUKUT	RESERVOIR		ENTITLEMENT		FLOW		RESERVOIR		DAY
	AT 1ST	AT 1ST	ABOVE	LOSS	STORAGE	AT 1ST	VIA	FOR/VIA	AT 2ND	CONSTRUCTION	LOSS	STORAGE	Contributed by:	For	Pio.	LOSS	STORAGE		
POINT	POINT	1ST			POINT	CWD	KDWD	POINT				NKWSD	BVWSD	ID#4	Proj.				
Previous Day	117	113	19	17	6,557	0	0	0	0	0	8	4,210				0	0		
1	108	90	16	19	6,540	0	0	0	0	1	9	4,200				0	0	1	
2	101	88	15	18	6,520	0	0	0	0	1	9	4,190				0	0	2	
3	92	96	16	20	6,480	0	0	0	0	1	9	4,180				0	0	3	
4	91	95	15	14	6,447	0	29	0	0	0	7	4,144				0	0	4	
5	104	97	17	17	6,420	0	29	0	0	1	8	4,106				0	0	5	
6	111	98	14	17	6,402	0	0	0	0	1	8	4,097				0	0	6	
7	97	92	17	16	6,374	0	0	0	0	0	7	4,090				0	0	7	
8	91	83	14	10	6,358	0	0	0	0	1	4	4,085				0	0	8	
9	95	88	14	14	6,337	0	0	0	0	0	6	4,079				0	0	9	
10	100	85	18	16	6,318	0	0	0	0	1	7	4,071				0	0	10	
11	105	85	14	11	6,313	0	0	0	0	0	6	4,065				0	0	11	
12	111	101	16	14	6,293	0	0	0	0	0	6	4,059				0	0	12	
13	136	120	15	14	6,280	0	0	0	0	1	6	4,052				0	0	13	
14	144	110	14	12	6,288	0	0	0	0	0	6	4,046				0	0	14	
15	145	103	16	18	6,296	0	0	0	0	1	9	4,036				0	0	15	
16	133	102	16	19	6,292	0	0	0	0	1	9	4,026				0	0	16	
17	121	103	14	17	6,279	0	0	0	0	0	8	4,018				0	0	17	
18	121	94	15	11	6,280	0	0	0	0	1	5	4,012				0	0	18	
19	123	88	16	11	6,288	0	0	0	0	1	6	4,005				0	0	19	
20	127	83	17	14	6,301	0	0	0	0	0	6	3,999				0	0	20	
21	113	89	16	13	6,296	0	0	0	0	1	6	3,992				0	0	21	
22	120	96	17	12	6,291	0	0	0	0	1	6	3,985				0	0	22	
23	120	98	15	10	6,288	0	0	0	0	1	5	3,979				0	0	23	
24	135	106	16	11	6,290	0	0	0	0	0	5	3,974				0	0	24	
25	185	118	10	6	6,341	0	0	0	0	1	3	3,970				0	0	25	
26	204	122	15	10	6,398	0	0	0	0	0	4	3,966				0	0	26	
27	222	126	15	9	6,470	0	0	0	0	1	4	3,961				0	0	27	
28	200	183	16	12	6,459	0	0	0	0	1	6	3,954				0	0	28	
29	208	207	15	12	6,433	0	0	0	0	0	6	3,948				0	0	29	
30	211	194	16	13	6,421	0	0	0	0	1	6	3,941				0	0	30	
31	203	175	18	15	6,416	0	0	0	0	1	7	3,933				0	0	31	
S.F.D.	4,177	3,415	478	425	6,416	0	58	0	0	20	199	3,933				0	0	S.F.D.	
AC.FT.	8,285	6,774	948	843	12,727	0	115	0	0	39	395	7,801				0	0	AC.FT.	

TOTAL ACRE-FOOT STORAGE DAYS 391,158

TOTAL ACRE-FOOT STORAGE DAYS 248,257

TOTAL ACRE-FOOT STORAGE DAYS 0

REPORT OF THE KERN RIVER WATERMASTER

OCTOBER 2021

WATERMASTER NOTES * KERN RIVER BULLETIN**

<u>MONTH</u>	<u>DAY(S)</u>	<u>PAGE NO.</u>	<u>TITLE OF COLUMN</u>	<u>COMMENT</u>
OCTOBER	1-31	2	Flow Above 1st Point (BVWSD)	BVWSD supplied water to Sukut Construction for Isabella Dam construction



REPORT OF THE KERN RIVER WATERMASTER

NOVEMBER 2021

Quantities in S.F.D. except where noted

DAY	ISABELLA RESERVOIR				FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS +1ST POINT REGULATED FLOW	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT			FRIANT-KERN INFLOW	DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE		LOSS						Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)				IRRIGATION	KERN RIVER	FRIANT-KERN		
		ACRE-FEET	S.F.D.							TOTAL	POOL LOSS							
Previous Day	2531.93	50,712	25,567	22	175	19	194	203	203	25,567	10,349	11	0	0	0	0	0	
1	2531.91	50,661	25,542	19	160	13	173	167	166	25,541	10,323	9	0	0	0	0	1	
2	2531.89	50,609	25,515	17	159	15	174	164	168	25,518	10,300	8	0	0	0	0	2	
3	2531.87	50,558	25,490	17	164	16	180	172	174	25,495	10,277	8	0	0	0	0	3	
4	2531.86	50,532	25,477	16	170	13	183	186	178	25,474	10,256	8	0	0	0	0	4	
5	2531.84	50,481	25,451	19	169	15	184	177	166	25,437	10,219	9	0	0	0	0	5	
6	2531.79	50,352	25,386	16	169	14	183	134	161	25,399	10,181	8	0	0	0	0	6	
7	2531.77	50,301	25,360	12	171	16	187	173	162	25,362	10,144	6	0	0	0	0	7	
8	2531.76	50,275	25,347	17	161	14	175	179	175	25,345	10,127	8	0	0	0	0	8	
9	2531.76	50,275	25,347	13	144	17	161	174	181	25,352	10,134	6	0	0	0	0	9	
10	2531.78	50,327	25,373	12	135	16	151	189	186	25,375	10,157	6	0	0	0	0	10	
11	2531.80	50,378	25,399	14	140	16	156	196	183	25,388	10,170	7	0	0	0	0	11	
12	2531.79	50,352	25,386	17	143	17	160	164	181	25,392	10,174	8	0	0	0	0	12	
13	2531.79	50,352	25,386	17	149	18	167	184	179	25,387	10,169	8	0	0	0	0	13	
14	2531.79	50,352	25,386	16	153	20	173	189	182	25,380	10,162	8	0	0	0	0	14	
15	2531.77	50,301	25,360	22	157	19	176	172	188	25,370	10,152	11	0	0	0	0	15	
16	2531.77	50,301	25,360	23	164	17	181	204	190	25,356	10,138	11	0	0	0	0	16	
17	2531.76	50,275	25,347	20	167	19	186	193	187	25,337	10,119	10	0	0	0	0	17	
18	2531.73	50,199	25,309	15	168	20	188	165	177	25,311	10,093	7	0	0	0	0	18	
19	2531.71	50,148	25,283	14	168	18	186	174	172	25,283	10,065	7	0	0	0	0	19	
20	2531.70	50,123	25,270	10	161	20	181	178	177	25,269	10,051	5	0	0	0	0	20	
21	2531.68	50,071	25,244	26	161	17	178	178	180	25,245	10,027	13	0	0	0	0	21	
22	2531.66	50,020	25,218	24	166	19	185	183	175	25,211	9,993	12	0	0	0	0	22	
23	2531.63	49,944	25,180	19	164	19	183	164	167	25,176	9,958	9	0	0	0	0	23	
24	2531.60	49,867	25,141	14	159	19	178	153	168	25,152	9,934	7	0	0	0	0	24	
25	2531.60	49,867	25,141	25	142	19	161	186	164	25,130	9,912	12	0	0	0	0	25	
26	2531.59	49,842	25,129	14	132	20	152	154	168	25,132	9,914	7	0	0	0	0	26	
27	2531.59	49,842	25,129	13	133	19	152	165	169	25,136	9,918	6	0	0	0	0	27	
28	2531.61	49,893	25,154	14	130	18	148	187	166	25,140	9,922	7	0	0	0	0	28	
29	2531.60	49,867	25,141	12	126	21	147	146	160	25,141	9,923	6	0	0	0	0	29	
30	2531.61	49,893	25,154	13	130	18	148	174	174	25,154	9,936	6	0	0	0	0	30	
TOTAL SECOND FOOT DAYS				500	4,615	522	5,137	5,224	5,224	25,154	9,936	243	0	0	0	0		
TOTAL ACRE-FEET				992	9,154	1,035	10,189	10,362	10,362	49,893	19,709	482	0	0	0	0		

By: MC Date: December 15, 2021

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

NOVEMBER 2021

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	FLOW ABOVE 1ST			RESERVOIR		ENT'L AT 1ST POINT	FLOW			SUKUT CONSTRUCTION	RESERVOIR		ENTITLEMENT		FLOW		RESERVOIR		DAY
	AT 1ST POINT	AT 1ST POINT	1ST POINT	LOSS	STORAGE		VIA KDWD	VIA CWD	AT 2ND POINT		LOSS	STORAGE	Contributed by:	FOR ID#4	FOR KCWA	LOSS	STORAGE		
													NKWS D	BVWS D					
Previous Day	203	175	18	15	6,416	0	0	0	0	1	7	3,933			0	0	0	0	
1	166	160	12	13	6,397	0	0	0	0	1	6	3,926					0	0	1
2	168	159	14	12	6,380	0	0	0	0	1	5	3,920					0	0	2
3	174	164	16	12	6,362	0	0	0	0	0	5	3,915					0	0	3
4	178	170	13	11	6,346	0	0	0	0	0	5	3,910					0	0	4
5	166	169	15	13	6,315	0	0	0	0	0	6	3,904					0	0	5
6	161	169	13	11	6,283	0	0	0	0	1	5	3,898					0	0	6
7	162	171	16	8	6,250	0	0	0	0	0	4	3,894					0	0	7
8	175	161	14	12	6,238	0	0	0	0	0	5	3,889					0	0	8
9	181	144	16	9	6,250	0	0	0	0	1	4	3,884					0	0	9
10	186	135	16	8	6,277	0	0	0	0	0	4	3,880					0	0	10
11	183	140	15	10	6,295	0	0	0	0	1	4	3,875					0	0	11
12	181	143	16	12	6,305	0	0	0	0	1	5	3,869					0	0	12
13	179	149	18	12	6,305	0	0	0	0	0	5	3,864					0	0	13
14	182	153	19	11	6,304	0	0	0	0	1	5	3,858					0	0	14
15	188	157	18	15	6,302	0	0	0	0	1	7	3,850					0	0	15
16	190	164	16	16	6,296	0	0	0	0	1	7	3,842					0	0	16
17	187	167	19	14	6,283	0	0	0	0	0	6	3,836					0	0	17
18	177	168	19	10	6,263	0	0	0	0	1	5	3,830					0	0	18
19	172	168	17	10	6,240	0	0	0	0	1	4	3,825					0	0	19
20	177	161	19	7	6,230	0	0	0	0	1	3	3,821					0	0	20
21	180	161	17	18	6,214	0	0	0	0	0	8	3,813					0	0	21
22	175	166	18	16	6,189	0	0	0	0	1	8	3,804					0	0	22
23	167	164	18	13	6,161	0	0	0	0	1	6	3,797					0	0	23
24	168	159	18	10	6,142	0	0	0	0	1	4	3,792					0	0	24
25	164	142	19	17	6,128	0	0	0	0	0	8	3,784					0	0	25
26	168	132	19	10	6,135	0	0	0	0	1	4	3,779					0	0	26
27	169	133	18	9	6,144	0	0	0	0	1	4	3,774					0	0	27
28	166	130	17	10	6,153	0	0	0	0	1	4	3,769					0	0	28
29	160	126	20	8	6,159	0	0	0	0	1	4	3,764					0	0	29
30	174	130	17	9	6,177	0	0	0	0	1	4	3,759					0	0	30
S.F.D.	5,224	4,615	502	346	6,177	0	0	0	0	20	154	3,759					0	0	S.F.D.
AC.FT.	10,362	9,154	995	687	12,253	0	0	0	0	40	305	7,456					0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS

371,946

TOTAL ACRE-FOOT STORAGE DAYS

228,744

TOTAL ACRE-FOOT STORAGE DAYS

0

NOVEMBER 2021

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH DAY(S) PAGE NO. TITLE OF COLUMN COMMENT

PRECIPITATION DATA -- ISABELLA DAM & RESERVOIR
1949 TO DATE
(In Inches)

NOVEMBER

Water Year Precip in inches Water Year Precip in inches Water Year Precip in inches

1949-50	0.65	1979-80	0.33	2009-10	0.08
1950-51	3.16	1980-81	0.01	2010-11	1.66
1951-52	0.47	1981-82	1.17	2011-12	1.19
1952-53	1.98	1982-83	3.14	2012-13	0.23
1953-54	0.90	1983-84	3.49	2013-14	0.50
1954-55	0.80	1984-85	2.90	2014-15	0.07
1955-56	1.34	1985-86	2.27	2015-16	1.25
1956-57	0.00	1986-87	0.54	2016-17	1.00
1957-58	0.33	1987-88	0.87	2017-18	0.16
1958-59	0.49	1988-89	1.75	2018-19	1.19
1959-60	0.00	1989-90	0.30	2019-20	2.70
1960-61	1.26	1990-91	0.61	2020-21	1.47
1961-62	2.15	1991-92	1.30	2021-22	0.00
1962-63	0.00	1992-93	0.00		
1963-64	1.20	1993-94	1.52		
1964-65	1.82	1994-95	1.45		
1965-66	2.76	1995-96	0.00		
1966-67	1.09	1996-97	2.38		
1967-68	1.41	1997-98	1.76		
1968-69	1.28	1998-99	1.03		
1969-70	0.56	1999-00	0.18		
1970-71	3.47	2000-01	0.14		
1971-72	0.47	2001-02	3.11		
1972-73	3.13	2002-03	5.76		
1973-74	1.26	2003-04	0.71		
1974-75	0.10	2004-05	0.39		
1975-76	0.22	2005-06	0.06		
1976-77	0.07	2006-07	0.06		
1977-78	0.17	2007-08	0.10		
1978-79	0.39	2008-09	2.26		

6 Years have recorded zero precipitation in the month of November



Carrier Canal below the Bluffs

REPORT OF THE KERN RIVER WATERMASTER

DECEMBER 2021

Quantities in S.F.D. except where noted

DAY	ISABELLA RESERVOIR				FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT			DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE		+1ST POINT REGULATED FLOW				Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	IRRIGATION		KERN RIVER	FRIANT-KERN			FRIANT-KERN			
		ACRE-FEET	S.F.D.													LOSS		
Previous Day	2531.61	49,893	25,154	13	130	18	148	174	174	25,154	9,936	6	0	0	0	0	0	
1	2531.59	49,842	25,129	13	133	19	152	140	144	25,133	9,915	6	0	0	0	0	1	
2	2531.58	49,817	25,116	11	136	18	154	152	148	25,116	9,898	5	0	0	0	0	2	
3	2531.57	49,791	25,103	11	138	17	155	153	158	25,108	9,890	5	0	0	0	0	3	
4	2531.57	49,791	25,103	13	135	20	155	168	158	25,098	9,880	6	0	0	0	0	4	
5	2531.56	49,766	25,090	10	139	18	157	154	140	25,071	9,853	5	0	0	0	0	5	
6	2531.50	49,614	25,014	14	144	17	161	99	149	25,045	9,827	7	0	0	0	0	6	
7	2531.51	49,639	25,026	14	149	20	169	195	154	25,016	9,798	7	0	0	0	0	7	
8	2531.50	49,614	25,014	12	150	17	167	167	179	25,016	9,798	6	0	0	0	0	8	
9	2531.51	49,639	25,026	7	151	6	157	176	165	25,017	9,799	3	0	0	0	0	9	
10	2531.50	49,614	25,014	8	152	3	155	151	163	25,017	9,799	4	0	0	0	0	10	
11	2531.48	49,563	24,988	10	176	3	179	163	162	24,990	9,772	5	0	0	0	0	11	
12	2531.45	49,487	24,950	10	198	1	199	171	176	24,957	9,739	5	0	0	0	0	12	
13	2531.46	49,513	24,963	6	172	2	174	193	235	25,012	9,794	3	0	0	0	0	13	
14	2531.58	49,817	25,116	4	181	2	183	340	251	25,076	9,858	2	0	0	0	0	14	
15	2531.60	49,867	25,141	7	183	4	187	219	255	25,137	9,919	3	0	0	0	0	15	
16	2531.59	49,842	25,129	7	197	13	210	205	213	25,133	9,915	3	0	0	0	0	16	
17	2531.59	49,842	25,129	7	193	16	209	216	211	25,128	9,910	3	0	0	0	0	17	
18	2531.59	49,842	25,129	8	189	15	204	212	208	25,124	9,906	4	0	0	0	0	18	
19	2531.59	49,842	25,129	8	176	13	189	197	204	25,131	9,913	4	0	0	0	0	19	
20	2531.59	49,842	25,129	8	180	14	194	202	199	25,128	9,910	4	0	0	0	0	20	
21	2531.58	49,817	25,116	11	186	14	200	198	199	25,116	9,898	5	0	0	0	0	21	
22	2531.57	49,791	25,103	6	190	15	205	198	292	25,197	9,979	3	0	0	0	0	22	
23	2531.78	50,327	25,373	2	192	17	209	481	661	25,647	10,429	1	0	0	0	0	23	
24	2532.59	52,433	26,435	6	222	15	237	1,305	806	26,210	10,992	3	0	0	0	0	24	
25	2532.79	52,962	26,702	7	344	13	357	631	792	26,638	11,420	3	0	0	0	0	25	
26	2532.79	52,962	26,702	8	415	16	431	439	499	26,698	11,480	4	0	0	0	0	26	
27	2532.78	52,936	26,689	5	419	15	434	426	415	26,674	11,456	2	0	0	0	0	27	
28	2532.74	52,830	26,635	5	423	6	429	380	420	26,660	11,442	2	0	0	0	0	28	
29	2532.74	52,830	26,635	2	450	3	453	455	421	26,626	11,408	1	0	0	0	0	29	
30	2532.74	52,830	26,635	4	420	3	423	427	436	26,635	11,417	2	0	0	0	0	30	
31	2532.67	52,644	26,541	5	402	1	403	314	314	26,541	11,323	2	0	0	0	0	31	
TOTAL SECOND FOOT DAYS				249	6,935	356	7,291	8,927	8,927	26,541	11,323	118	0	0	0	0		
TOTAL ACRE-FEET				494	13,755	706	14,461	17,706	17,706	52,644	22,460	234	0	0	0	0		

By: MC Date: January 20, 2022

REPORT OF THE KERN RIVER WATERMASTER

DECEMBER 2021

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	FLOW ABOVE 1ST PT.			FLOW ABOVE 1ST PT.							ENTITLEMENT		FLOW		RESERVOIR		DAY
	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	ENT'L AT 1ST POINT	VIA KDWD	VIA CWD	AT 2ND POINT	SUKUT CONSTRUCTION	RESERVOIR LOSS	RESERVOIR STORAGE	Contributed by: NKWSD	Contributed by: BVWSD	FOR ID#4	FOR KCWA	RESERVOIR LOSS	RESERVOIR STORAGE	
	POINT	POINT	POINT	POINT													
Previous Day	174	130	17	9	6,177	0	0	0	0	1	4	3,759			0	0	
1	144	133	18	9	6,161	0	0	0	0	1	4	3,754			0	0	1
2	148	136	18	7	6,148	0	0	0	0	0	4	3,750			0	0	2
3	158	138	17	7	6,144	0	0	0	0	0	4	3,746			0	0	3
4	158	135	19	9	6,139	0	0	0	0	1	4	3,741			0	0	4
5	140	139	18	7	6,115	0	0	0	0	0	3	3,738			0	0	5
6	149	144	17	10	6,093	0	0	0	0	0	4	3,734			0	0	6
7	154	149	19	10	6,069	0	0	0	0	1	4	3,729			0	0	7
8	179	150	17	8	6,073	0	0	0	0	0	4	3,725			0	0	8
9	165	151	5	5	6,077	0	0	0	0	1	2	3,722			0	0	9
10	163	152	3	5	6,080	0	0	0	0	0	3	3,719			0	0	10
11	162	176	2	7	6,057	0	0	0	0	1	3	3,715			0	0	11
12	176	198	0	7	6,028	0	0	0	0	1	3	3,711			0	0	12
13	235	172	1	4	6,086	0	0	0	0	1	2	3,708			0	0	13
14	251	181	1	3	6,152	0	0	0	0	1	1	3,706			0	0	14
15	255	183	3	5	6,216	0	0	0	0	1	2	3,703			0	0	15
16	213	197	13	5	6,214	0	0	0	0	0	2	3,701			0	0	16
17	211	193	15	5	6,212	0	0	0	0	1	2	3,698			0	0	17
18	208	189	14	6	6,211	0	0	0	0	1	2	3,695			0	0	18
19	204	176	13	6	6,220	0	0	0	0	0	2	3,693			0	0	19
20	199	180	14	6	6,219	0	0	0	0	0	2	3,691			0	0	20
21	199	186	14	8	6,210	0	0	0	0	0	3	3,688			0	0	21
22	292	190	14	4	6,294	0	0	0	0	1	2	3,685			0	0	22
23	661	192	16	1	6,746	0	0	0	0	1	1	3,683			0	0	23
24	806	222	14	4	7,312	0	0	0	0	1	2	3,680			0	0	24
25	792	344	13	5	7,742	0	0	0	0	0	2	3,678			0	0	25
26	499	415	15	6	7,805	0	0	0	0	1	2	3,675			0	0	26
27	415	419	14	4	7,783	0	0	0	0	1	1	3,673			0	0	27
28	420	423	5	4	7,771	0	0	0	0	1	1	3,671			0	0	28
29	421	450	2	1	7,739	0	0	0	0	1	1	3,669			0	0	29
30	436	420	2	3	7,750	0	0	0	0	1	1	3,667			0	0	30
31	314	402	1	4	7,662	0	0	0	0	0	1	3,661			0	0	31
S.F.D.	8,927	6,935	337	175	7,662	0	0	0	0	19	74	3,661			0	0	S.F.D.
AC.FT.	17,706	13,755	669	347	15,198	0	0	0	0	37	147	7,262			0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS

403,692

TOTAL ACRE-FOOT STORAGE DAYS

227,720

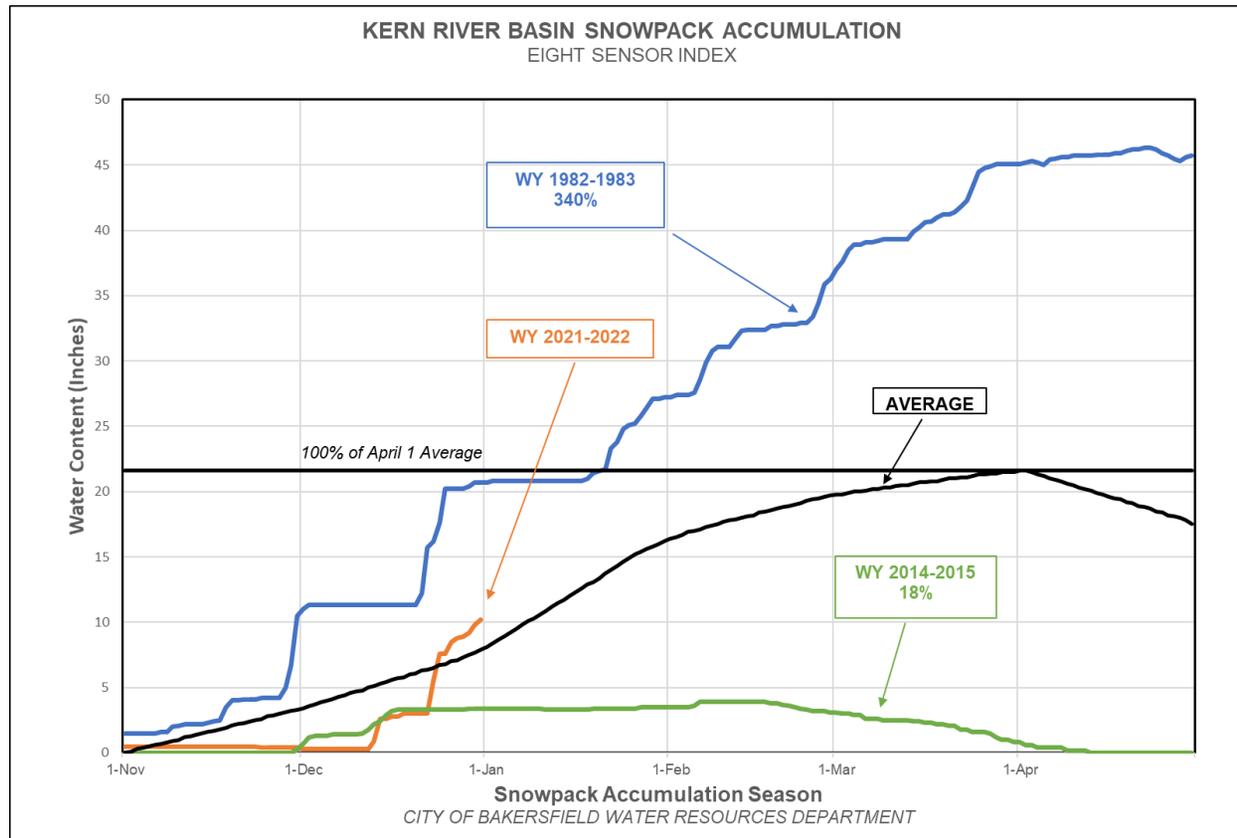
TOTAL ACRE-FOOT STORAGE DAYS

0

DECEMBER 2021

WATERMASTER NOTES * KERN RIVER BULLETIN**

<u>MONTH</u>	<u>DAY(S)</u>	<u>PAGE NO.</u>	<u>TITLE OF COLUMN</u>	<u>COMMENT</u>
DECEMBER	31	2	BVWSD RESERVOIR STORAGE NKWSD RESERVOIR STORAGE	Reflects transfer of 10 acre-feet (5 s.f.d.) from BUENA VISTA WATER STORAGE DISTRICT to NORTH KERN WATER STORAGE DISTRICT on behalf of HACIENDA WATER DISTRICT as compensation for additional evaporation of Kern River water due to Rio Bravo Power Plant operations during calendar year 2021 pursuant to terms of May 14, 1986 Memorandum of Understanding between Olcese WD and the Kern River Interests. (Total of 14 acre-feet of additional evaporation; shared 75% NKWSD & 25% BVWSD)



CITY OF BAKERSFIELD
KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: March 2021 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	16695
LESS NON-CONTRIBUTING CANALS.....	15650
FOR OTHERS AND FIRST POINT CANALS.....	1045
TO BE CONTRIBUTED BY OTHER CANALS.....	1045
TO BE USED BY OTHER CANALS.....	0
EACH OTHER CANAL TO RECEIVE.....	N/A

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)...	0
B.V.W.S.D. ENTITLEMENT.....	119
SEEPAGE LOSS.....	676
KERN RIVER CONDUIT ENTITLEMENT.....	250
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	1045

DIVERSION RIGHT		GROSS DIV'R	GROSS ENT'L	RELEASES				ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS		ISABELLA RESERVOIR				
RIVER STAGE	AMT.			NAME OF CANAL	To River	Direct	Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
300.0	300	KERN ISLAND (1-ST)	7739	15650					15650	2312					10051		780		2576	1179	37	220	3498	
		EASTSIDE	2463												2463									
320.0	20	CASTRO		250				250											0	0	0	0	0	
		KCC&W Co.															381		0	6521	158	1831	4536	
330.5	10.5	SOUTH FORK																	0	1183		0	1183	
410.5	80	BUENA VISTA (1-ST)																	0	1135	24	0	1111	
530.5	120	JAMES (1-ST)																						
550.5	20	ANDERSON (1-ST)																						
700.5	150	STINE																	0	1480	28	0	1452	
730.5	30	MEACHAM																						
880.5	150	FARMERS																	0	1408	29	0	1379	
920.5	40	PLUNKET																						
960.5	40	JOYCE																						
1000.5	40	JOHNSON																						
1130.5	130	PIONEER (1-ST)																						
1190.5	60	BEARDSLEY (1-ST)	522										522						0	0	0	0	0	
		LERDO (NKWSD)																	0	27027	575	0	26452	
1200.5	10	ANDERSON (2-ND)																						
1240.5	40	JAMES & DIXON																						
1250.5	10	WILSON																	2580	39933	851	2051	39611	
		KCC&W Co.																						
1276.5	26	McCAFFREY																						
		McCORD																						
1376.5	100	LERDO 30% BEARDSLEY 70%																						
		CALLOWAY	2592							2312					280									
2226.5	850	CENTRAL 20% NKWSD 80%																						
		RAILROAD																						
2426.5	200	KCC&W Co. 20% NKWSD 80%																						
2516.5	90	BUENA VISTA (2-ND)																						
2696.5	180	JAMES (2-ND)																						
2866.5	170	PIONEER (2-ND)																						
3106.5	240	BEARDSLEY (3-RD)																						
3162.5	56	KERN ISLAND (2-ND)																						
		COUNTY OF KERN													68									
		CALIFORNIA WATER SERVICE CO.													793									
		OLCESE WD													31									
		PANORAMA PRESERVE	2												2									
		TRUXTUN LAKES																						
		ARVIN EDISON TURNOUT																						
		THE PARK AT RIVER WALK																						
		WILSON DITCH																						
		AERA PARK																						
		ROSEDALE RBWSD																						
		PIONEER INLET																						
		PIONEER PROJECT																						
		2800 ACRES SPREADING																						
		KERN WATER BANK CANAL																						
		1ST POINT PASSING 2ND POINT																						
		BVWSD FOR/VIA KDWD																						
		BVWSD FOR/VIA OTHERS																						
TOTALS			892	13318	15900	0	0	0	0	250	15650	0	2312	2312	0	1696	12514	0	1161				0	
		LOSS		1837	676																		1161	
FLOW AT FIRST POINT			892	15155	16576																			

TOTAL CHANGE IN STORAGE = -322

NOTES:

Cally Central Exch. Less: KDWD(KI)/MET/ID4= 2312
River Loss: KDWD(KI)/MET/ID4= 780

CITY OF BAKERSFIELD
KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: April 2021 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	22530
LESS NON-CONTRIBUTING CANALS.....	17176
FOR OTHERS AND FIRST POINT CANALS.....	5354
TO BE CONTRIBUTED BY OTHER CANALS.....	5354
TO BE USED BY OTHER CANALS.....	0
EACH OTHER CANAL TO RECEIVE.....	N/A

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)...	0
B.V.W.S.D. ENTITLEMENT.....	1496
SEEPAGE LOSS.....	655
KERN RIVER CONDUIT ENTITLEMENT.....	3203
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	5354

% OF IT'S DIVERSION RIGHT

TOTAL.....

DIVERSION RIGHT		GROSS DIV'R	GROSS ENT'L	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS		ISABELLA RESERVOIR				
RIVER STAGE	AMT.			NAME OF CANAL	To River	Distribution Direct	Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT
300.0	300	K.C.L. Co. ENTL @ 2ND PT. KERN ISLAND (1-ST)	8295	17176				17176		3256					11551		645		2378	3498	151	0	5725
		EASTSIDE	2602												2602								
		KERN RIVER CONDUIT		3203				3203															
320.0	20	CASTRO																	0	0	0	0	0
		KCC&W Co.															823		543	4536	186	498	4395
330.5	10.5	SOUTH FORK																	0	1183		0	1183
410.5	80	BUENA VISTA (1-ST)																	0	1111	35	0	1076
530.5	120	JAMES (1-ST)																					
550.5	20	ANDERSON (1-ST)																					
700.5	150	STINE																	0	1452	48	0	1404
730.5	30	MEACHAM																					
880.5	150	FARMERS																	0	1379	46	0	1333
920.5	40	PLUNKET																					
960.5	40	JOYCE																					
1000.5	40	JOHNSON																					
1130.5	130	PIONEER (1-ST)																					
1190.5	60	BEARDSLEY (1-ST)	603																0	0	0	0	0
		LERDO (NKWSD)	454																0	26452	857	454	25141
1200.5	10	ANDERSON (2-ND)											454										
1240.5	40	JAMES & DIXON																					
1250.5	10	WILSON																	2921	39611	1323	952	40257
		KCC&W Co.																					
1276.5	26	McCAFFREY																					
		McCORD																					
1376.5	100	LERDO 30% BEARDSLEY 70%																					
		CALLOWAY	3794								3256				538								
2226.5	850	CENTRAL 20% NKWSD 80%																					
		RAILROAD																					
2426.5	200	KCC&W Co. 20% NKWSD 80%																					
2516.5	90	BUENA VISTA (2-ND)																					
2696.5	180	JAMES (2-ND)																					
2866.5	170	PIONEER (2-ND)																					
3106.5	240	BEARDSLEY (3-RD)																					
3162.5	56	KERN ISLAND (2-ND)																					
		COUNTY OF KERN													92								
		CALIFORNIA WATER SERVICE CO.													763								
		OLCESE WD													67								
		PANORAMA PRESERVE																					
		TRUXTUN LAKES	244												244								
		ARVIN EDISON TURNOUT																					
		THE PARK AT RIVER WALK	28												28								
		WILSON DITCH																					
		AERA PARK																					
		ROSEDALE RBWSD																					
		PIONEER INLET																					
		PIONEER PROJECT																					
		2800 ACRES SPREADING																					
		KERN WATER BANK CANAL																					
		1ST POINT PASSING 2ND POINT																					
		BVWSD FOR/VIA KDWD																					
		BVWSD FOR/VIA OTHERS																					
TOTALS			922	16020	20379	0	0	0	0	3203	17176	0	3256	3256	454	2335	14153	0	1468	0			
LOSS			2123	655															1468				
FLOW AT FIRST POINT			922	18143	21034																		

TOTAL CHANGE IN STORAGE = 646

NOTES:
 Cally Central Exch. Less: KDWD(KI)/MET/ID4= 3256
 River Loss: KDWD(KI)/MET/ID4= 645

CITY OF BAKERSFIELD
KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: May 2021 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	28034
LESS NON-CONTRIBUTING CANALS.....	18058
FOR OTHERS AND FIRST POINT CANALS.....	9976
TO BE CONTRIBUTED BY OTHER CANALS.....	9976
TO BE USED BY OTHER CANALS.....	0
EACH OTHER CANAL TO RECEIVE.....	N/A

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)...	42
B.V.W.S.D. ENTITLEMENT.....	3084
SEEPAGE LOSS.....	676
KERN RIVER CONDUIT ENTITLEMENT.....	6174
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	9976

N/A % OF IT'S DIVERSION RIGHT

DIVERSION RIGHT		GROSS DIV'R	GROSS ENT'L	RELEASES				ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS		ISABELLA RESERVOIR				
RIVER STAGE	AMT.			NAME OF CANAL	To River	Direct	Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
		K.C.L. Co. ENTL @ 2ND PT.					42																	
300.0	300	KERN ISLAND (1-ST)	8656	18058					18058	4566	83				13139			1408	5725	276	180	6677		
		EASTSIDE	3096								20				3076									
		KERN RIVER CONDUIT		6174				6174																
320.0	20	CASTRO																	0	0	0	0	0	
		KCC&W Co.															509		4552	4395	374	171	8402	
330.5	10.5	SOUTH FORK																0	1183		0	1183		
410.5	80	BUENA VISTA (1-ST)																0	1076	46	0	1030		
530.5	120	JAMES (1-ST)																						
550.5	20	ANDERSON (1-ST)																						
700.5	150	STINE	32															0	1404	59	42	1303		
730.5	30	MEACHAM																						
880.5	150	FARMERS																						
920.5	40	PLUNKET																						
960.5	40	JOYCE																						
1000.5	40	JOHNSON																						
1130.5	130	PIONEER (1-ST)																						
1190.5	60	BEARDSLEY (1-ST)	432								148			284				0	0	0	0	0	0	
		LERDO (NKWSD)	427										427					37	25141	1057	422	23699		
1200.5	10	ANDERSON (2-ND)																						
1240.5	40	JAMES & DIXON																						
1250.5	10	WILSON																						
		KCC&W Co.																						
1276.5	26	McCAFFREY																						
		McCORD																						
1376.5	100	LERDO 30% BEARDSLEY 70%																						
		CALLOWAY	4379																					
2226.5	850	CENTRAL 20% NKWSD 80%									4136			243										
		RAILROAD																						
2426.5	200	KCC&W Co. 20% NKWSD 80%																						
2516.5	90	BUENA VISTA (2-ND)																						
2696.5	180	JAMES (2-ND)																						
2866.5	170	PIONEER (2-ND)																						
3106.5	240	BEARDSLEY (3-RD)																						
3162.5	56	KERN ISLAND (2-ND)																						
		COUNTY OF KERN													119									
		CALIFORNIA WATER SERVICE CO.													559									
		OLCESE WD													77									
		PANORAMA PRESERVE	2												2									
		TRUXTUN LAKES																						
		ARVIN EDISON TURNOUT																						
		THE PARK AT RIVER WALK																						
		WILSON DITCH																						
		AERA PARK																						
		ROSEDALE RBWSD																						
		PIONEER INLET																						
		PIONEER PROJECT																						
		2800 ACRES SPREADING																						
		KERN WATER BANK CANAL																						
		1ST POINT PASSING 2ND POINT																						
		BVWSD FOR/VIA KDWD									103													
		BVWSD FOR/VIA OTHERS																						
TOTALS			1037	17024	24274	0	0	0	42	6174	18058	0	4669	4669	427	1284	16247	0	1134	0				
		LOSS		1810	676																			
FLOW AT FIRST POINT			1037	18834	24950																			

TOTAL CHANGE IN STORAGE = 3315

NOTES:
 Kern Island Exch. Less: from BVWSD= 83
 Eastside Exch. Less: from BVWSD= 20
 Cally Central Exch. Less: KDWD(KI)/MET/ID4= 4136
 River Loss: KDWD(KI)/MET/ID4= 565
 Beardsley Exch. Less: KDWD/COB= 148
 Cal Water Service Co. Exch. Less: KDWD/COB= 282

CITY OF BAKERSFIELD
KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: June 2021 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	12643
LESS NON-CONTRIBUTING CANALS.....	11720
FOR OTHERS AND FIRST POINT CANALS.....	923
TO BE CONTRIBUTED BY OTHER CANALS.....	923
TO BE USED BY OTHER CANALS.....	0
EACH OTHER CANAL TO RECEIVE.....	N/A

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)...	6
B.V.W.S.D. ENTITLEMENT.....	107
SEEPAGE LOSS.....	655
KERN RIVER CONDUIT ENTITLEMENT.....	155
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	923

% OF IT'S DIVERSION RIGHT

DIVERSION RIGHT		GROSS DIV'R	GROSS ENT'L	RELEASES				ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES				NET DIVERSIONS				WATER TRANS. LOSS		ISABELLA RESERVOIR				
RIVER STAGE	AMT.			NAME OF CANAL	To River	Direct	Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE		
		K.C.L. Co. ENTL @ 2ND PT.					6																			
300.0	300	KERN ISLAND (1-ST)	6478	11720					11720	5319	175				11622			135	6677	331	2981	3500				
		EASTSIDE	3043								672				2371											
		KERN RIVER CONDUIT		155					155																	
320.0	20	CASTRO																	0	0	0	0	0			
		KCC&W Co.															563		45	8402	533	974	6940			
330.5	10.5	SOUTH FORK																	0	1183		0	1183			
410.5	80	BUENA VISTA (1-ST)	1648							60	788				978				58	1030	23	978	87			
530.5	120	JAMES (1-ST)																								
550.5	20	ANDERSON (1-ST)																								
700.5	150	STINE	1432							44	188				1244				0	1303	15	1288	0			
730.5	30	MEACHAM																								
880.5	150	FARMERS	1009							248					1243											
920.5	40	PLUNKET																								
960.5	40	JOYCE																								
1000.5	40	JOHNSON																								
1130.5	130	PIONEER (1-ST)																								
1190.5	60	BEARDSLEY (1-ST)	425								425								0	0	0	0	0			
		LERDO (NKWSD)	5192												5192				0	23699	1244	5186	17269			
1200.5	10	ANDERSON (2-ND)																								
1240.5	40	JAMES & DIXON																								
1250.5	10	WILSON																								
		KCC&W Co.																								
1276.5	26	McCAFFREY																								
		McCORD																								
1376.5	100	LERDO 30% BEARDSLEY 70%																								
		CALLOWAY	4674								4437				237											
2226.5	850	CENTRAL 20% NKWSD 80%																								
		RAILROAD																								
2426.5	200	KCC&W Co. 20% NKWSD 80%																								
2516.5	90	BUENA VISTA (2-ND)																								
2696.5	180	JAMES (2-ND)																								
2866.5	170	PIONEER (2-ND)																								
3106.5	240	BEARDSLEY (3-RD)																								
3162.5	56	KERN ISLAND (2-ND)																								
		COUNTY OF KERN																								
		CALIFORNIA WATER SERVICE CO.									751				154											
		OLCESE WD													26											
		PANORAMA PRESERVE	2												102											
		TRUXTUN LAKES													2											
		ARVIN EDISON TURNOUT																								
		THE PARK AT RIVER WALK																								
		WILSON DITCH																								
		AERA PARK																								
		ROSEDALE RBWSD																								
		PIONEER INLET																								
		PIONEER PROJECT																								
		2800 ACRES SPREADING																								
		KERN WATER BANK CANAL																								
		1ST POINT PASSING 2ND POINT																								
		BVWSD FOR/VIA KDWD								1765																
		BVWSD FOR/VIA OTHERS																								
TOTALS			1033	23903	11881	0	0	0	6	155	11720	0	7436	7436	5192	521	17458	0	1136	0						
LOSS			1791	655															1136							
FLOW AT FIRST POINT			1033	25694	12536																					

TOTAL CHANGE IN STORAGE = -14593

NOTES:
 Kern Island Exch. Less: from BVWSD= 175
 Eastside Exch. Less: from BVWSD= 672
 Buena Vista Exch. Less: from BVWSD/Carmel= 730
 Stine Exch. Less: from BVWSD= 188
 Buena Vista Exch. Less: Storage from Stine/Farm 58
 Stine Exch. Plus: Storage to Buena Vista= 44
 Farmers Exch. Plus: Storage to Buena Vista= 14
 Buena Vista Exch. Plus: ID4/MET Exchange= 60
 Farmers Exch. Plus: ID4/MET Exchange= 234
 Cally Central Exch. Less: KDWD(KI)/MET/ID4= 4143
 River Loss: KDWD(KI)/MET/ID4= 573
 Beardsley Exch. Less: KDWD/COB= 425
 Cal Water Service Co. Exch. Less: KDWD/COB= 751

CITY OF BAKERSFIELD
KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: July 2021 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	7230
LESS NON-CONTRIBUTING CANALS.....	6554
FOR OTHERS AND FIRST POINT CANALS.....	676
TO BE CONTRIBUTED BY OTHER CANALS.....	676
TO BE USED BY OTHER CANALS.....	0
EACH OTHER CANAL TO RECEIVE.....	N/A

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)...	0
B.V.W.S.D. ENTITLEMENT.....	0
SEEPAGE LOSS.....	676
KERN RIVER CONDUIT ENTITLEMENT.....	0
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	676

DIVERSION RIGHT		GROSS DIV'R	GROSS ENT'L	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS		ISABELLA RESERVOIR				
RIVER STAGE	AMT.			NAME OF CANAL	To River	Distribution Direct	Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT
300.0	300	KERN ISLAND (1-ST)	5084	6554				6554		1203	581				5793			212	3500	234	1107	2371	
		EASTSIDE	2491								748				1743								
320.0	20	CASTRO																	0	0	0	0	0
		KCC&W Co.														174			0	6940	625	464	5851
330.5	10.5	SOUTH FORK																	0	1183		0	1183
410.5	80	BUENA VISTA (1-ST)								87									0	87	0	87	0
530.5	120	JAMES (1-ST)																					
550.5	20	ANDERSON (1-ST)																					
700.5	150	STINE																	0	0	0	0	0
730.5	30	MEACHAM																					
880.5	150	FARMERS																	0	0	0	0	0
920.5	40	PLUNKET																					
960.5	40	JOYCE																					
1000.5	40	JOHNSON																					
1130.5	130	PIONEER (1-ST)																					
1190.5	60	BEARDSLEY (1-ST)	425								425								0	0	0	0	0
		LERDO (NKWSD)	7386								1504	5882							0	17269	1133	5882	10254
1200.5	10	ANDERSON (2-ND)																					
1240.5	40	JAMES & DIXON																					
1250.5	10	WILSON																	212	28979	1992	7540	19659
		KCC&W Co.																					
1276.5	26	McCAFFREY																					
		McCORD																					
1376.5	100	LERDO 30%																					
		BEARDSLEY 70%																					
2226.5	850	CALLOWAY																					
		CENTRAL 20%																					
		NKWSD 80%																					
2426.5	200	RAILROAD																					
		KCC&W Co. 20%																					
		NKWSD 80%																					
2516.5	90	BUENA VISTA (2-ND)																					
2696.5	180	JAMES (2-ND)																					
2866.5	170	PIONEER (2-ND)																					
3106.5	240	BEARDSLEY (3-RD)																					
3162.5	56	KERN ISLAND (2-ND)																					
		COUNTY OF KERN													187								
		CALIFORNIA WATER SERVICE CO.									778				28								
		OLCESE WD													71								
		PANORAMA PRESERVE	4												4								
		TRUXTUN LAKES																					
		ARVIN EDISON TURNOUT																					
		THE PARK AT RIVER WALK																					
		WILSON DITCH																					
		AERA PARK																					
		ROSEDALE RBWSD																					
		PIONEER INLET																					
		PIONEER PROJECT																					
		2800 ACRES SPREADING																					
		KERN WATER BANK CANAL																					
		1ST POINT PASSING 2ND POINT																					
		BVWSD FOR/VIA KDWD								1242													
		BVWSD FOR/VIA OTHERS																					
TOTALS			1064	15390	6554	0	0	0	0	0	6554	0	2532	4036	5882	290	7536	0	174	0			
LOSS			850	676															174				
FLOW AT FIRST POINT			1064	16240	7230																		

TOTAL CHANGE IN STORAGE = -9320

NOTES:
 Kern Island Exch. Less: from BVWSD= 494
 Eastside Exch. Less: from BVWSD= 78
 Kern Island Exch. Less: BV to KI Storage Transfe= 87
 Buena Vista Exch. Plus: BV to KI Storage Transfe= 87
 Beardsley Exch. Less: KDWD/COB= 425
 Cal Water Service Co. Exch. Less: KDWD/COB= 778
 Lerdo (NKWSD) - Other: BVWSD to CWD= 758
 Lerdo (NKWSD) - Other: BVWSD/CWD to NKWSD= 746

CITY OF BAKERSFIELD
KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: August 2021 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	5865
LESS NON-CONTRIBUTING CANALS.....	5189
FOR OTHERS AND FIRST POINT CANALS.....	676
TO BE CONTRIBUTED BY OTHER CANALS.....	676
TO BE USED BY OTHER CANALS.....	0
EACH OTHER CANAL TO RECEIVE.....	N/A

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)...	0
B.V.W.S.D. ENTITLEMENT.....	0
SEEPAGE LOSS.....	676
KERN RIVER CONDUIT ENTITLEMENT.....	0
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	676

DIVERSION RIGHT		GROSS DIV'R	GROSS ENT'L	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS		ISABELLA RESERVOIR				
RIVER STAGE	AMT.			NAME OF CANAL	To River	Distribution Direct	Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT
300.0	300	KERN ISLAND (1-ST)	3959	5189				5189		1231	599				4591			400	2371	213	603	1955	
		EASTSIDE	843								42				801								
320.0	20	CASTRO																0	0	0	0	0	
		KCC&W Co.																0	5851	664	266	4921	
330.5	10.5	SOUTH FORK																0	1183		0	1183	
410.5	80	BUENA VISTA (1-ST)																0	0	0	0	0	
530.5	120	JAMES (1-ST)																					
550.5	20	ANDERSON (1-ST)																					
700.5	150	STINE																0	0	0	0	0	
730.5	30	MEACHAM																					
880.5	150	FARMERS																0	0	0	0	0	
920.5	40	PLUNKET																					
960.5	40	JOYCE																					
1000.5	40	JOHNSON																					
1130.5	130	PIONEER (1-ST)																					
1190.5	60	BEARDSLEY (1-ST)	444								444							0	0	0	0	0	
		LERDO (NKWSD)	1919								203	1716						0	10254	899	1716	7639	
1200.5	10	ANDERSON (2-ND)																					
1240.5	40	JAMES & DIXON																					
1250.5	10	WILSON																400	19659	1776	2585	15698	
		KCC&W Co.																					
1276.5	26	McCAFFREY																					
		McCORD																					
1376.5	100	LERDO 30%																					
		BEARDSLEY 70%																					
2226.5	850	CALLOWAY																					
		CENTRAL 20%																					
		NKWSD 80%																					
2426.5	200	RAILROAD																					
		KCC&W Co. 20%																					
		NKWSD 80%																					
2516.5	90	BUENA VISTA (2-ND)																					
2696.5	180	JAMES (2-ND)																					
2866.5	170	PIONEER (2-ND)																					
3106.5	240	BEARDSLEY (3-RD)																					
3162.5	56	KERN ISLAND (2-ND)																					
<p>COUNTY OF KERN</p> <p>CALIFORNIA WATER SERVICE CO.</p> <p>OLCESE WD</p> <p>PANORAMA PRESERVE</p> <p>TRUXTUN LAKES</p> <p>ARVIN EDISON TURNOUT</p> <p>THE PARK AT RIVER WALK</p> <p>WILSON DITCH</p> <p>AERA PARK</p> <p>ROSEDALE RBWSD</p> <p>PIONEER INLET</p> <p>PIONEER PROJECT</p> <p>2800 ACRES SPREADING</p> <p>KERN WATER BANK CANAL</p> <p>1ST POINT PASSING 2ND POINT</p> <p>BVWSD FOR/VIA KDWD</p> <p>BVWSD FOR/VIA OTHERS</p>																							
TOTALS		1053	7165	5189	0	0	0	0	0	5189	0	2075	2075	1716	266	5392	0	0	0	0	0	0	
LOSS		676	676															0					
FLOW AT FIRST POINT		1053	7841	5865																			

TOTAL CHANGE IN STORAGE = -3961

NOTES:
 Kern Island Exch. Less: from BVWSD= 599
 Eastside Exch. Less: from BVWSD= 42
 Beardsley Exch. Less: KDWD/COB= 444
 Cal Water Service Co. Exch. Less: KDWD/COB= 787
 Lerdo (NKWSD) - Other: BVWSD to CWD= 203

CITY OF BAKERSFIELD
KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: September 2021 Recap

COMPUTED NATURAL FLOW AT FIRST POINT..... 4907
 LESS NON-CONTRIBUTING CANALS..... 4252
 FOR OTHERS AND FIRST POINT CANALS..... 655
 TO BE CONTRIBUTED BY OTHER CANALS..... 655
 TO BE USED BY OTHER CANALS..... 0
 EACH OTHER CANAL TO RECEIVE..... N/A

% OF IT'S DIVERSION RIGHT

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)... 0
 B.V.W.S.D. ENTITLEMENT..... 0
 SEEPAGE LOSS..... 655
 KERN RIVER CONDUIT ENTITLEMENT..... 0
 HACIENDA W.D. ENTITLEMENT AT FIRST POINT..... 0
 TOTAL..... 655

DIVERSION RIGHT		GROSS DIV'R	GROSS ENT'L	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS		ISABELLA RESERVOIR				
RIVER STAGE	AMT.			NAME OF CANAL	To River	Direct	Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT
300.0	300	K.C.L. Co. ENTL @ 2ND PT. KERN ISLAND (1-ST)	3023	4252				4252		1176	167				4032			555	1955	187	335	1988	
		EASTSIDE KERN RIVER CONDUIT																					
320.0	20	CASTRO																0	0	0	0	0	
		KCC&W Co.																0	4921	521	262	4138	
330.5	10.5	SOUTH FORK																0	1183		0	1183	
410.5	80	BUENA VISTA (1-ST)																0	0	0	0	0	
530.5	120	JAMES (1-ST)																					
550.5	20	ANDERSON (1-ST)																					
700.5	150	STINE																0	0	0	0	0	
730.5	30	MEACHAM																					
880.5	150	FARMERS																0	0	0	0	0	
920.5	40	PLUNKET																					
960.5	40	JOYCE																					
1000.5	40	JOHNSON																					
1130.5	130	PIONEER (1-ST)																					
1190.5	60	BEARDSLEY (1-ST)	431								431							0	0	0	0	0	
		LERDO (NKWSD)	1322										1322					0	7639	619	1322	5698	
1200.5	10	ANDERSON (2-ND)																					
1240.5	40	JAMES & DIXON																					
1250.5	10	WILSON																555	15698	1327	1919	13007	
		KCC&W Co.																					
1276.5	26	McCAFFREY																					
		McCORD																					
1376.5	100	LERDO 30% BEARDSLEY 70%																					
		CALLOWAY																					
2226.5	850	CENTRAL 20% NKWSD 80%																					
		RAILROAD																					
2426.5	200	KCC&W Co. 20% NKWSD 80%																					
2516.5	90	BUENA VISTA (2-ND)																					
2696.5	180	JAMES (2-ND)																					
2866.5	170	PIONEER (2-ND)																					
3106.5	240	BEARDSLEY (3-RD)																					
3162.5	56	KERN ISLAND (2-ND)																					
		COUNTY OF KERN													137								
		CALIFORNIA WATER SERVICE CO.													22								
		OLCESE WD													100								
		PANORAMA PRESERVE	3												3								
		TRUXTUN LAKES																					
		ARVIN EDISON TURNOUT																					
		THE PARK AT RIVER WALK																					
		WILSON DITCH																					
		AERA PARK																					
		ROSEDALE RBWSD																					
		PIONEER INLET																					
		PIONEER PROJECT																					
		2800 ACRES SPREADING																					
		KERN WATER BANK CANAL																					
		1ST POINT PASSING 2ND POINT																					
		BVWSD FOR/VIA KDWD								167													
		BVWSD FOR/VIA OTHERS																					
TOTALS			1004	4779	4252	0	0	0	0	4252	0	1343	1343	1322	262	4032	0	0	0	0	0	0	
LOSS				655	655													0					
FLOW AT FIRST POINT			1004	5434	4907																		

TOTAL CHANGE IN STORAGE = -2691

NOTES:
 Kern Island Exch. Less: from BVWSD= 167
 Beardsley Exch. Less: KDWD/COB= 431
 Cal Water Service Co. Exch. Less: KDWD/COB= 745

CITY OF BAKERSFIELD
KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: October 2021 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	8285
LESS NON-CONTRIBUTING CANALS.....	7609
FOR OTHERS AND FIRST POINT CANALS.....	676
TO BE CONTRIBUTED BY OTHER CANALS.....	676
TO BE USED BY OTHER CANALS.....	0
EACH OTHER CANAL TO RECEIVE.....	N/A

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)...	0
B.V.W.S.D. ENTITLEMENT.....	0
SEEPAGE LOSS.....	676
KERN RIVER CONDUIT ENTITLEMENT.....	0
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	676

DIVERSION RIGHT		GROSS DIV'R	GROSS ENT'L	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS		ISABELLA RESERVOIR				
RIVER STAGE	AMT.			NAME OF CANAL	To River	Direct	Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT
300.0	300	KERN ISLAND (1-ST)	4721	7609	620				6989	1093					5148		480		761	1988	146	143	2460
		EASTSIDE	77												77								
320.0	20	CASTRO						10											0	0	0	0	0
		KCC&W Co.						30					40		436				16	4138	333	480	3341
330.5	10.5	SOUTH FORK						20	20		230								250	1183		0	1433
410.5	80	BUENA VISTA (1-ST)	81					460							81		78		301	0	2	0	299
530.5	120	JAMES (1-ST)						100		100													
550.5	20	ANDERSON (1-ST)																					
700.5	150	STINE																	0	0	0	0	0
730.5	30	MEACHAM																					
880.5	150	FARMERS																	0	0	0	0	0
920.5	40	PLUNKET																					
960.5	40	JOYCE																					
1000.5	40	JOHNSON																					
1130.5	130	PIONEER (1-ST)																					
1190.5	60	BEARDSLEY (1-ST)	419												157		262		0	0	0	0	0
		LERDO (NKWSD)	357												115	242			9	5698	362	151	5194
1200.5	10	ANDERSON (2-ND)																					
1240.5	40	JAMES & DIXON																					
1250.5	10	WILSON																					
		KCC&W Co.																					
1276.5	26	McCAFFREY																					
		McCORD																					
1376.5	100	LERDO 30%																					
		BEARDSLEY 70%																					
2226.5	850	CALLOWAY																					
		CENTRAL 20%																					
		NKWSD 80%																					
2426.5	200	RAILROAD																					
		KCC&W Co. 20%																					
		NKWSD 80%																					
2516.5	90	BUENA VISTA (2-ND)																					
2696.5	180	JAMES (2-ND)																					
2866.5	170	PIONEER (2-ND)																					
3106.5	240	BEARDSLEY (3-RD)																					
3162.5	56	KERN ISLAND (2-ND)																					
		COUNTY OF KERN													99								
		CALIFORNIA WATER SERVICE CO.													270								
		OLCESE WD																					
		PANORAMA PRESERVE																					
		TRUXTUN LAKES																					
		ARVIN EDISON TURNOUT																					
		THE PARK AT RIVER WALK																					
		WILSON DITCH																					
		AERA PARK																					
		ROSEDALE RBWSD																					
		PIONEER INLET																					
		PIONEER PROJECT																					
		2800 ACRES SPREADING																					
		KERN WATER BANK CANAL																					
		1ST POINT PASSING 2ND POINT																					
		BVWSD FOR/VIA KDWD																					
		BVWSD FOR/VIA OTHERS													115								
		BVWSD FLOW ABOVE 1ST POINT													39								
TOTALS			987	5655	7609	620	620	0	100	40	7449	20	1247	1208	242	940	5306	0	558				0
LOSS			1234	676															558				
FLOW AT FIRST POINT			987	6889	8285																		

TOTAL CHANGE IN STORAGE = -280

NOTES:
 KCCW&Co. Exch. Less: KDWD Storage Trans.= 436
 South Fork Exch. Less: KDWD Storage Trans.= 230
 Beardsley Exch. Less: KDWD/COB= 157
 Cal Water Service Co. Exch. Less: KDWD/COB= 270
 Lerdo (NKWSD) - Other: BVWSD to CWD= 115

CITY OF BAKERSFIELD
KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: December 2021 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	17706
LESS NON-CONTRIBUTING CANALS.....	13132
FOR OTHERS AND FIRST POINT CANALS.....	4574
TO BE CONTRIBUTED BY OTHER CANALS.....	676
TO BE USED BY OTHER CANALS.....	3898
EACH OTHER CANAL TO RECEIVE.....	N/A

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)...	0
B.V.W.S.D. ENTITLEMENT.....	0
SEEPAGE LOSS.....	676
KERN RIVER CONDUIT ENTITLEMENT.....	0
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	676

DIVERSION RIGHT		GROSS DIV'R	GROSS ENT'L	RELEASES				ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS		ISABELLA RESERVOIR				
RIVER STAGE	AMT.			NAME OF CANAL	To River	Direct	Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
300.0	300	K.C.L. Co. ENTL @ 2ND PT. KERN ISLAND (1-ST) EASTSIDE KERN RIVER CONDUIT	1936	13132	11082			2050							1936			210	0	2044	51	96	1897	
320.0	20	CASTRO KCC&W Co.		80 224		166 510		980			504						2874	0	0	0	0	0	0	
330.5	10.5	SOUTH FORK		157		343				500	500							302	4388	142	157	4391		
410.5	80	BUENA VISTA (1-ST)	105	1194	1194	191		191						105			86	0	600		0	600		
530.5	120	JAMES (1-ST)		948		4437	5331	54										0	283	7	0	276		
550.5	20	ANDERSON (1-ST)		117		677	754	40																
700.5	150	STINE		797	797	12			12									12	0	0	0	12		
730.5	30	MEACHAM		115		938	912	141																
880.5	150	FARMERS		266	266	207			207									207	0	2	0	205		
920.5	40	PLUNKET				817	456	361																
960.5	40	JOYCE				793	367	426																
1000.5	40	JOHNSON				680	240	440																
1130.5	130	PIONEER (1-ST)				1757	774	983																
1190.5	60	BEARDSLEY (1-ST) LERDO (NKWSD)	230			432								230				784	0	2	0	782		
1200.5	10	ANDERSON (2-ND)				60	60							6	7317			2756	4938	143	516	7035		
1240.5	40	JAMES & DIXON				238	238																	
1250.5	10	WILSON KCC&W Co.				30 30		60											4061	12253	347	769	15198	
1276.5	26	McCAFFREY McCORD				155 151	155 107	44																
1376.5	100	BEARDSLEY 70% CALLOWAY				352 73		73																
2226.5	850	RAILROAD KCC&W Co. 20% NKWSD 80%				290	157	133																
2426.5	200	NKWSD 80%																						
2516.5	90	BUENA VISTA (2-ND)																						
2696.5	180	JAMES (2-ND)																						
2866.5	170	PIONEER (2-ND)																						
3106.5	240	BEARDSLEY (3-RD)																						
3162.5	56	KERN ISLAND (2-ND)																						
TOTALS			706	9909	17030	13339	13339	0	9551	3735	2460	1284	537	510	7317	1220	2041	0	3170				0	
LOSS			3846	676															3170					
FLOW AT FIRST POINT			706	13755	17706																			

TOTAL CHANGE IN STORAGE = 2945

NOTES:
 NKWSD/KCC&W Co. Ent'l: Reflects release to City (Due to inability to divert natural flow ent'l) = 2622
 BVWSD Transfer to 1st Pt. Grp.: NKWSD (6); City (4)

