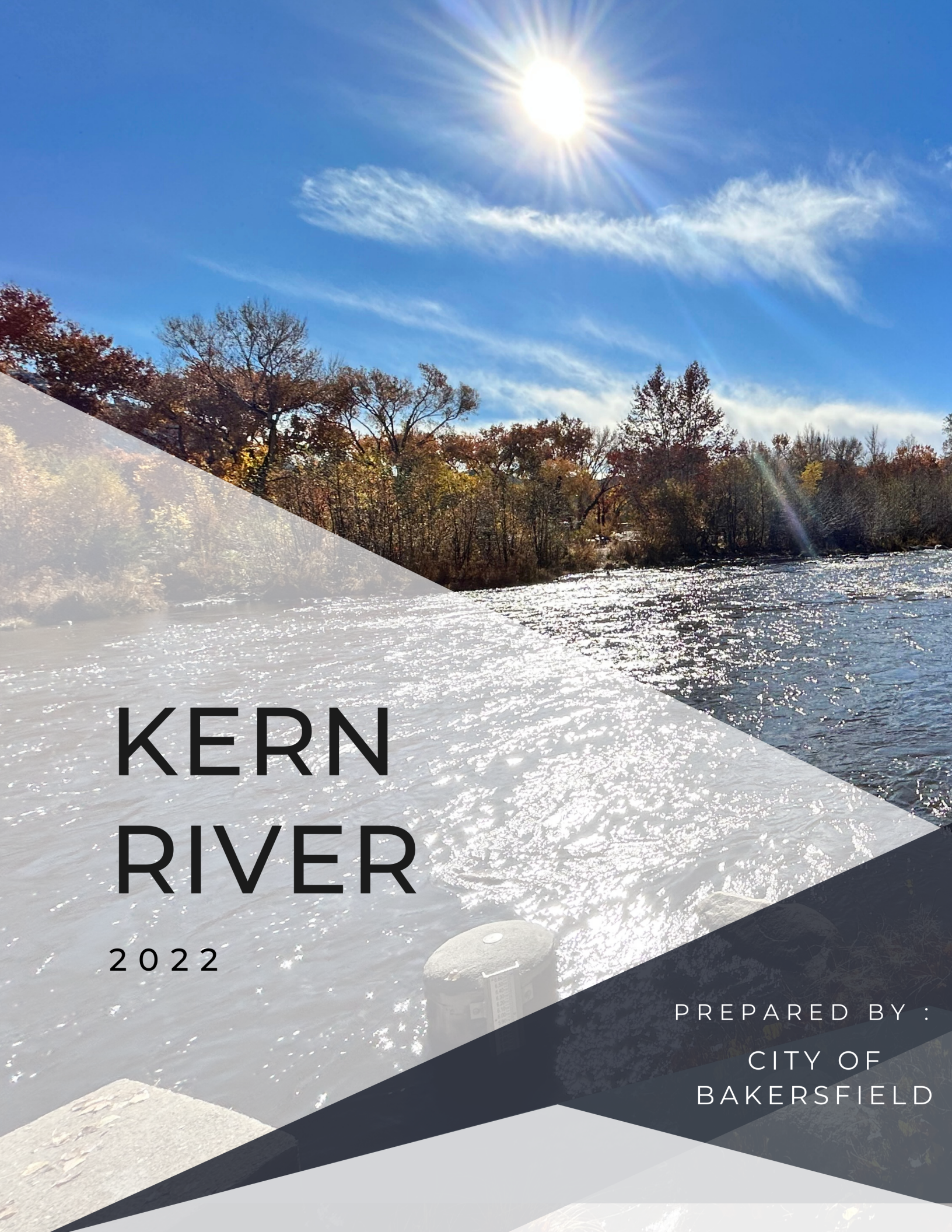

KERN RIVER

2022

PREPARED BY :

CITY OF BAKERSFIELD

PREPARED FOR: CENTRAL RECORDS

Photo taken near Kernville, CA

2022
HYDROGRAPHIC ANNUAL REPORT

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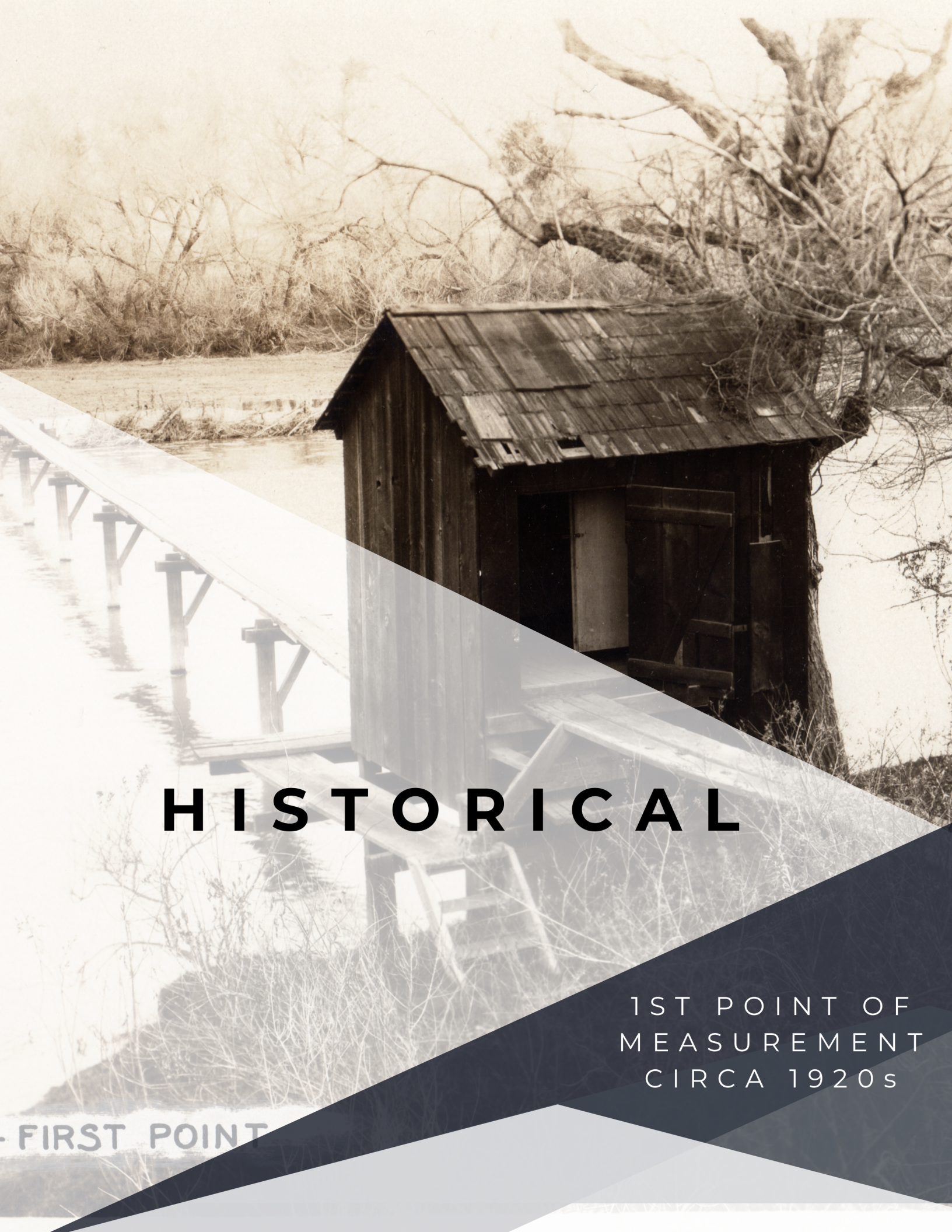

HISTORICAL

1ST POINT OF MEASUREMENT CIRCA 1920s

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	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	JUN	JUL	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	JUN	JUL	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	13,267	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	JUN	JUL	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	JUN	JUL	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	JUN	JUL	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

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KERN RIVER AT FIRST POINT OF MEASUREMENT

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUN	JUL	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
2022	acre-feet	18,440	15,211	20,969	31,045	36,405	20,370	8,459	14,116	7,422	5,929	11,105	20,975	210,446	--	--	--
	mean s.f.d.	300	274	341	522	592	342	138	230	125	96	187	341	--	757	68	291

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

Acre-foot Quantities in Order of Magnitude

Year: 2022

YEAR	APR	MAY	JUN	JUL	TOTAL	% OF AVERAGE
2015	13,662	17,153	13,813	13,037	57,665	13%
2021	22,530	28,034	12,643	7,230	70,437	15%
1961	24,137	29,980	24,305	8,952	87,374	19%
1924	28,540	41,722	14,069	8,225	92,556	20%
2014	26,527	40,042	20,965	7,016	94,550	21%
1977	23,391	25,630	35,655	10,973	95,649	21%
2022	**31,045**	**36,405**	**20,370**	**8,459**	**96,279**	**21%**
1931	23,440	41,867	24,262	8,493	98,062	22%
2013	32,212	39,509	19,494	11,700	102,915	23%
1976	25,924	47,151	20,930	14,749	108,754	24%
1990	32,019	38,600	29,345	13,380	113,344	25%
1934	39,919	43,065	21,820	11,341	116,145	25%
2007	35,649	51,267	24,131	12,363	123,410	27%
1972	28,288	45,965	38,531	14,936	127,720	28%
1959	40,566	39,945	32,061	18,013	130,585	29%
1898	42,248	45,213	32,809	15,033	135,303	30%
1988	39,584	58,350	43,140	20,969	162,043	36%
1960	46,272	58,336	47,181	16,683	168,472	37%
2012	65,851	69,671	26,945	14,154	176,621	39%
1992	55,448	74,394	32,987	16,324	179,153	39%
1964	42,946	61,521	54,658	23,803	182,928	40%
1994	46,489	67,224	56,223	21,068	191,004	42%
1928	37,757	76,885	60,344	18,716	193,702	43%
2020	59,213	86,350	35,786	15,453	196,802	43%
1900	28,102	68,295	76,366	24,125	196,888	43%
1949	50,517	84,508	57,685	17,201	209,911	46%
1987	55,236	75,108	56,146	24,918	211,408	46%
1913	42,494	73,561	60,738	34,929	211,722	46%
1899	53,133	51,353	79,178	30,046	213,710	47%
2002	58,838	69,991	63,775	22,703	215,307	47%
1929	39,064	85,995	63,487	30,986	219,532	48%
1966	68,779	82,336	45,431	23,347	219,893	48%
2016	50,386	73,279	75,628	22,538	221,831	49%
2004	64,197	78,343	56,378	23,084	222,002	49%
1955	37,567	69,544	86,660	31,014	224,785	49%
2018	84,716	66,988	46,574	28,370	226,648	50%
1930	53,506	67,851	82,824	28,401	232,582	51%
1926	66,079	98,598	49,530	18,575	232,782	51%
1989	91,380	71,849	49,823	21,378	234,430	51%
1948	43,976	86,108	78,565	31,331	239,980	53%
1971	52,661	66,635	82,707	42,472	244,475	54%
1968	65,584	87,991	64,054	30,690	248,319	55%
1947	60,353	110,325	57,778	21,116	249,572	55%
2001	58,249	124,417	43,033	24,593	250,292	55%
1912	37,246	80,471	100,925	33,170	251,812	55%
1999	55,843	95,199	68,733	32,852	252,627	55%
1981	69,320	91,914	65,817	25,630	252,681	55%
1908	79,320	79,418	60,305	41,851	260,894	57%
1951	48,914	85,039	88,990	38,941	261,884	57%
1939	92,136	92,253	58,400	25,480	268,269	59%
1991	58,092	79,763	100,423	38,265	276,543	61%
1957	38,644	79,355	132,359	41,988	292,346	64%
2009	63,650	130,352	65,252	35,907	295,161	65%
1894	88,974	98,801	64,564	43,061	295,400	65%
1933	57,265	60,026	125,395	56,898	299,584	66%
1950	76,155	98,483	90,367	34,901	299,906	66%
2000	67,388	129,406	81,396	28,306	306,496	67%
1925	56,408	102,016	96,252	58,437	313,113	69%
1904	59,812	113,205	103,904	39,725	316,646	70%
1970	63,513	110,057	95,700	50,138	319,408	70%
1921	51,723	100,096	120,387	49,119	321,325	71%
2003	56,146	113,472	118,383	37,075	325,076	71%
1953	70,730	86,019	103,164	69,657	329,570	72%
2008	80,991	123,177	89,078	38,095	331,341	73%
1923	73,355	120,849	82,528	55,800	332,532	73%

YEAR	APR	MAY	JUN	JUL	TOTAL	% OF AVERAGE
1918	74,513	78,722	136,753	44,828	334,816	73%
1919	86,574	140,215	81,844	34,364	342,997	75%
1935	71,042	103,787	133,634	42,184	350,647	77%
1910	102,883	127,733	79,464	42,046	352,126	77%
1954	101,203	139,719	73,553	39,642	354,117	78%
1905	62,047	117,748	132,766	53,835	366,396	80%
1896	57,864	86,174	146,124	82,760	372,922	82%
1975	46,602	147,001	140,660	51,917	386,180	85%
1902	107,403	109,904	128,853	43,436	389,596	86%
1946	109,658	155,476	85,880	39,733	390,747	86%
1903	74,315	132,097	139,222	53,355	398,989	88%
1944	80,223	150,109	115,862	59,197	405,391	89%
1979	102,079	164,935	106,112	46,733	419,859	92%
1984	91,359	161,613	93,114	77,046	423,132	93%
1985	136,241	146,799	99,858	41,395	424,293	93%
1920	83,370	158,904	137,840	50,699	430,813	95%
1915	80,916	124,506	172,324	77,496	455,242	100%
1965	80,043	131,980	149,357	95,288	456,668	100%
1963	69,412	137,839	163,944	105,384	476,579	105%
1940	118,175	196,465	145,503	50,471	510,614	112%
1962	147,463	135,884	157,253	74,874	515,474	113%
1927	100,362	184,721	161,153	75,481	521,717	115%
1942	112,586	150,036	178,754	81,529	522,905	115%
1956	97,553	159,683	168,876	99,529	525,641	115%
1932	111,273	154,742	166,404	94,013	526,432	116%
1974	114,113	183,733	167,740	69,580	535,166	117%
1917	126,329	165,062	187,638	81,275	560,304	123%
1997	142,909	214,290	142,358	71,919	571,476	125%
2010	95,484	163,601	226,437	94,875	580,397	127%
1936	157,290	219,404	137,028	67,902	581,624	128%
1901	83,190	186,446	197,792	114,613	582,041	128%
1993	133,993	200,864	162,420	87,414	584,691	128%
1945	131,246	205,509	169,002	91,593	597,350	131%
1996	147,959	225,987	154,883	70,502	599,331	132%
1922	84,407	242,259	202,395	88,649	617,710	136%
1897	173,393	281,639	137,393	61,837	654,262	144%
1907	197,720	199,950	183,995	97,083	678,748	149%
1914	144,934	210,676	201,064	128,338	685,012	150%
1895	162,071	268,635	172,890	91,133	694,729	153%
1943	198,736	254,785	155,650	88,011	697,182	153%
1911	138,113	184,481	222,076	156,498	701,168	154%
1973	110,892	288,652	230,390	93,834	723,768	159%
2005	132,119	288,847	238,352	129,182	788,500	173%
2006	147,043	309,409	232,520	106,756	795,728	175%
1982	212,963	254,985	198,748	130,098	796,794	175%
1958	168,105	316,974	230,866	115,724	831,669	183%
1937	183,505	352,050	225,395	91,097	852,047	187%
1986	208,147	293,335	263,794	121,398	886,674	195%
2019	203,673	251,734	302,910	154,203	912,520	200%
1967	99,509	269,631	311,063	243,802	924,005	203%
1995	143,244	255,046	293,129	237,802	929,221	204%
2011	231,304	261,005	274,675	175,874	942,858	207%
1938	223,928	315,044	291,880	130,917	961,769	211%
1980	211,608	287,825	282,877	208,715	991,025	218%
1941	124,615	386,666	309,960	174,416	995,657	219%
1978	181,700	363,157	354,825	194,693	1,094,375	240%
1952	222,633	434,769	302,557	159,856	1,119,815	246%
1998	189,663	308,440	371,835	267,435	1,137,373	250%
2017	290,457	385,311	343,801	180,930	1,200,499	264%
1909	247,402	382,617	394,086	194,870	1,218,975	268%
1906	173,143	360,234	458,418	399,841	1,391,636	305%
1983	206,473	478,625	571,846	288,866	1,545,810	339%
1916	481,749	472,994	391,700	225,154	1,571,597	345%
1969	378,333	617,968	496,796	254,777	1,747,874	384%

MAXIMUM	481,749	617,968	571,846	399,841	1,747,874	
MINIMUM	13,662	17,153	12,643	7,016	57,665	
AVERAGE	98,011	152,451	135,034	70,053	455,549	

KERN RIVER AT FIRST POINT OF MEASUREMENT

HISTORICAL MONTHLY NATURAL FLOWS

YEAR: 2022

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	37,379	43,312	64,545	98,011	152,451	135,034	70,053	30,282	17,736	17,010	19,548	27,387	712,748
Mean Monthly Flow (second foot days)	608	773	1,050	1,647	2,479	2,269	1,139	492	298	277	329	445	984
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	
Year of Occurrence	*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	5,929	7,880	9,148	
Year of Occurrence	*2014*	*1991*	*2015*	*2015*	*2015*	*2021*	*2014*	*2015*	*2015*	*2022*	*2014*	*1990*	
Number Months of Record	129	129	129	129	129	129	129	129	129	130	130	130	
Cumulative Monthly Flow	4,821,875	5,587,275	8,326,357	12,643,353	19,666,156	17,419,440	9,036,880	3,906,344	2,287,937	2,211,344	2,541,265	3,560,332	
Median Monthly Flow	23,621	29,765	46,260	73,353	116,578	102,742	44,672	20,822	13,279	13,991	15,580	19,166	519,829
Median Monthly Flow (second foot days)	384	531	752	1,233	1,896	1,727	727	339	223	228	262	312	718

MEAN APRIL - JULY RUNOFF TO DATE = 455,549 AcFt
MEDIAN APRIL - JULY RUNOFF TO DATE = 337,345 AcFt

MEAN MARCH - OCTOBER RUNOFF TO DATE = 585,122 AcFt
MEDIAN MARCH - OCTOBER RUNOFF TO DATE = 431,697 AcFt

Kern River Mean Natural Flow at First Point of Measurement

DISCHARGE IN CUBIC FEET PER SECOND (1893 to Date) Year: 2022

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	460	706	845	1,283	2,106	2,609	1,639	706	357	287	286	342
2	504	677	882	1,290	2,136	2,588	1,618	681	351	284	282	353
3	585	648	946	1,311	2,180	2,583	1,593	661	349	282	280	363
4	500	608	922	1,328	2,241	2,580	1,564	644	340	280	277	379
5	557	607	961	1,352	2,287	2,627	1,513	623	351	276	279	469
6	507	684	958	1,374	2,320	2,617	1,473	607	353	283	279	977
7	491	820	899	1,404	2,340	2,610	1,430	590	332	275	282	490
8	515	792	904	1,456	2,370	2,574	1,385	575	320	278	346	413
9	533	799	970	1,460	2,402	2,521	1,341	560	310	278	363	416
10	531	768	1,005	1,468	2,430	2,494	1,302	550	300	275	310	424
11	544	709	1,011	1,544	2,430	2,455	1,256	540	296	273	311	434
12	562	716	971	1,553	2,429	2,427	1,221	528	300	271	308	420
13	566	802	980	1,546	2,452	2,406	1,193	505	292	271	302	402
14	642	812	992	1,565	2,478	2,375	1,169	487	282	276	305	379
15	572	794	975	1,587	2,501	2,350	1,130	484	279	274	301	375
16	580	766	1,011	1,628	2,517	2,305	1,103	476	275	271	302	386
17	579	788	1,034	1,651	2,540	2,274	1,071	465	272	275	310	384
18	637	876	1,087	1,687	2,569	2,232	1,045	462	270	274	323	382
19	616	871	1,081	1,731	2,600	2,198	1,013	458	265	274	433	472
20	588	865	1,080	1,781	2,600	2,168	988	446	266	276	391	440
21	600	819	1,121	1,822	2,594	2,135	956	429	267	273	352	396
22	683	817	1,124	1,857	2,598	2,100	928	413	266	270	360	417
23	711	833	1,140	1,870	2,588	2,052	914	404	264	270	348	530
24	697	815	1,131	1,888	2,594	1,990	909	391	264	269	366	477
25	897	816	1,165	1,909	2,611	1,936	872	382	279	269	369	477
26	871	808	1,184	1,947	2,649	1,872	845	371	312	275	350	450
27	737	814	1,215	1,978	2,658	1,826	825	370	292	279	362	478
28	693	808	1,226	2,026	2,664	1,776	795	370	277	279	356	469
29	623	818	1,232	2,044	2,674	1,727	765	367	282	280	349	458
30	604	-	1,231	2,074	2,662	1,673	744	363	279	286	374	501
31	660	-	1,258	-	2,641	-	718	359	-	293	-	455
TOTAL	18,845	21,836	32,541	49,414	76,861	68,080	35,318	15,267	8,942	8,576	9,856	13,808
MAXIMUM DAY	897	876	1,258	2,074	2,674	2,627	1,639	706	357	293	433	977
MINIMUM DAY	460	607	845	1,283	2,106	1,673	718	359	264	269	277	342
MEAN	608	773	1,050	1,647	2,479	2,269	1,139	492	298	277	329	445
TOTAL AC. FT.	37,379	43,312	64,545	98,011	152,451	135,034	70,053	30,282	17,736	17,010	19,548	27,387

WHOLE YEAR:- TOTAL, 359,344 MAX., 2,674 MIN., 264 MEAN, 984 TOTAL AC.FT., 712,748

Kern River Median Natural Flow at First Point of Measurement

DISCHARGE IN CUBIC FEET PER SECOND (1893 to Date) Year: 2022

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	345	439	614	1,015	1,616	2,094	1,117	478	247	225	244	275
2	344	429	630	1,005	1,655	2,045	1,010	455	251	225	252	279
3	344	452	606	994	1,628	1,973	1,051	450	250	224	249	298
4	352	456	623	998	1,693	1,979	999	436	247	223	248	302
5	355	451	678	1,040	1,681	2,004	976	422	242	219	254	303
6	370	465	658	1,094	1,678	2,032	915	415	242	210	248	313
7	370	469	641	1,159	1,675	2,120	919	400	233	219	249	306
8	371	506	620	1,189	1,693	2,088	875	372	234	223	254	299
9	372	497	641	1,184	1,707	1,993	823	366	234	221	259	297
10	365	510	630	1,180	1,778	2,066	786	371	235	217	260	296
11	367	509	638	1,176	1,816	2,056	782	349	228	219	261	298
12	369	534	631	1,175	1,849	1,988	763	350	225	219	258	299
13	373	545	621	1,189	1,945	2,053	735	351	227	225	256	314
14	389	542	645	1,184	1,828	1,921	737	325	218	223	269	306
15	364	527	694	1,151	1,875	1,987	729	335	218	222	263	314
16	370	548	689	1,188	1,856	1,872	692	330	216	226	260	318
17	373	576	706	1,170	1,988	1,766	681	321	220	226	264	318
18	373	590	728	1,206	2,029	1,668	646	319	215	229	265	306
19	382	573	760	1,188	2,070	1,561	665	307	216	231	272	300
20	401	565	779	1,267	2,058	1,514	658	303	214	234	268	310
21	393	550	823	1,308	2,008	1,424	643	296	218	232	265	304
22	407	561	843	1,378	2,028	1,423	602	289	214	226	262	320
23	409	569	872	1,371	2,012	1,393	588	291	211	232	275	331
24	421	573	871	1,371	2,078	1,389	565	280	199	230	273	328
25	420	592	900	1,398	2,019	1,307	545	286	207	231	275	331
26	397	596	947	1,418	2,034	1,280	548	269	211	239	274	319
27	408	618	968	1,474	2,077	1,248	521	268	208	245	268	328
28	415	620	978	1,487	2,113	1,200	490	263	200	243	264	332
29	419	598	952	1,490	2,059	1,191	501	265	204	241	272	334
30	422	-	962	1,535	2,111	1,164	483	269	211	238	274	340
31	449	-	975	-	2,118	-	477	267	-	237	-	345
TOTAL	11,909	15,007	23,323	36,982	58,775	51,799	22,522	10,498	6,695	7,054	7,855	9,663
MAXIMUM DAY	449	620	978	1,535	2,118	2,120	1,117	478	251	245	275	345
MINIMUM DAY	344	429	606	994	1,616	1,164	477	263	199	210	244	275
MEAN	384	531	752	1,233	1,896	1,727	727	339	223	228	262	312
TOTAL AC. FT.	23,621	29,765	46,260	73,353	116,578	102,742	44,672	20,822	13,279	13,991	15,580	19,166

WHOLE YEAR:- TOTAL, 262,082 MAX., 2,120 MIN., 199 MEAN, 718 TOTAL AC.FT., 519,829

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	18,825	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	21,316	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	47,883	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	30,458	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	49,110	57,060	86,469	155,508	166,492	156,341	88,411	104,122	**101,403**	82,435	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	46,977	31,894	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	29,209	29,480	38,071	64,411	78,924	64,167	36,405	20,473	10,848	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	49,966	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	442,268
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	31,345	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
2022	10,367	10,272	18,894	23,263	24,924	27,102	27,577	17,675	9,923	7,873	8,128	8,251	194,249
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	**10,367**	**8,837**	**14,017**	**14,295**	**16,780**	**19,321**	**14,994**	**5,313**	**3,415**	**6,777**	**7,117**	**4,784**	**139,757**
AcFt TOTAL	**1,998,342**	**2,331,777**	**3,428,801**	**4,391,756**	**5,953,497**	**7,744,293**	**7,276,218**	**5,303,864**	**2,773,706**	**2,204,195**	**1,703,071**	**1,618,303**	**46,727,823**
AcFt AVERAGE	**28,961**	**33,794**	**49,693**	**63,649**	**86,283**	**112,236**	**105,452**	**76,868**	**40,199**	**31,945**	**24,682**	**23,454**	**677,216**
S.F.D. AVERAGE	**471**	**603**	**808**	**1,070**	**1,403**	**1,886**	**1,715**	**1,250**	**676**	**520**	**415**	**381**	**933**
% OF TOTAL	**4.28%**	**4.99%**	**7.34%**	**9.40%**	**12.74%**	**16.57%**	**15.57%**	**11.35%**	**5.94%**	**4.72%**	**3.64%**	**3.46%**	**100.00%**

Kern River Mean Regulated Flow at First Point of Measurement

DISCHARGE IN CUBIC FEET PER SECOND (1954 to Date) Year: 2022

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	427	500	749	901	1,257	1,623	1,860	1,455	851	602	424	390
2	433	506	743	921	1,278	1,668	1,825	1,430	830	608	417	372
3	421	520	750	925	1,287	1,719	1,818	1,433	811	595	419	363
4	425	521	756	926	1,321	1,762	1,793	1,425	799	584	423	368
5	441	518	755	945	1,329	1,789	1,819	1,430	773	576	418	377
6	472	531	768	949	1,329	1,807	1,838	1,433	751	589	419	432
7	444	534	770	966	1,326	1,841	1,838	1,418	732	568	414	380
8	441	535	765	992	1,346	1,859	1,848	1,405	717	556	415	368
9	436	608	759	1,015	1,355	1,876	1,849	1,411	699	554	419	360
10	437	595	776	1,038	1,357	1,888	1,832	1,407	686	543	418	355
11	432	571	797	1,053	1,353	1,901	1,805	1,394	679	530	427	355
12	437	572	780	1,063	1,368	1,912	1,795	1,372	668	506	423	361
13	440	579	787	1,063	1,374	1,924	1,772	1,345	658	508	426	360
14	442	600	783	1,069	1,375	1,941	1,773	1,320	658	507	414	357
15	447	598	799	1,083	1,365	1,940	1,771	1,309	650	499	410	362
16	464	592	804	1,086	1,371	1,950	1,759	1,296	650	493	415	359
17	466	594	815	1,092	1,372	1,985	1,722	1,274	643	483	419	361
18	478	605	807	1,096	1,385	1,992	1,687	1,275	633	493	413	383
19	482	617	808	1,116	1,395	1,993	1,670	1,248	625	496	414	408
20	481	647	820	1,116	1,425	1,967	1,644	1,211	619	498	415	394
21	483	651	835	1,122	1,442	1,966	1,664	1,183	617	500	419	381
22	476	672	843	1,128	1,457	1,975	1,647	1,145	618	495	412	377
23	487	700	851	1,140	1,475	1,961	1,638	1,123	621	492	403	384
24	514	704	853	1,157	1,482	1,974	1,614	1,105	620	491	393	383
25	528	696	857	1,155	1,488	1,956	1,593	1,079	615	489	405	383
26	546	701	857	1,166	1,482	1,923	1,592	1,041	616	486	410	385
27	537	707	867	1,182	1,490	1,878	1,579	1,010	613	480	410	397
28	519	718	871	1,185	1,504	1,862	1,552	985	610	475	413	407
29	513	584	862	1,203	1,533	1,884	1,539	958	612	479	408	420
30	525	-	875	1,237	1,570	1,870	1,531	935	593	475	409	420
31	528	-	891	-	1,610	-	1,499	899	-	456	-	423
TOTAL	14,602	17,038	25,053	32,090	43,501	56,586	53,166	38,754	20,267	16,106	12,444	11,825
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	471	603	808	1,070	1,403	1,886	1,715	1,250	676	520	415	381
TOTAL AC. FT.	28,961	33,794	49,693	63,649	86,283	112,236	105,452	76,868	40,199	31,945	24,682	23,454

WHOLE YEAR : TOTAL, 341,432 MAX., 9,289 MIN., 22 MEAN, 933 TOTAL AC.FT., 677,216

Isabella Reservoir Daily Mean Storage (1954-2022)

MIDNIGHT STORAGE IN ACRE-FEET **Year: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	144,103	155,308	166,346	180,446	210,113	268,906	279,804	236,603	186,515	161,627	144,336	138,132
2	144,347	155,660	166,719	181,217	211,676	270,511	279,084	234,996	185,449	160,888	143,990	138,079
3	144,901	155,835	167,036	181,960	213,232	272,023	278,321	233,309	184,396	160,026	143,649	138,126
4	145,186	155,995	167,427	182,735	214,885	273,408	277,541	231,581	183,379	159,459	143,301	138,098
5	145,623	156,153	167,963	183,449	216,526	274,895	276,613	229,824	182,471	158,778	142,944	138,431
6	145,804	156,440	168,400	184,157	218,231	276,246	275,620	228,021	181,607	158,089	142,612	140,534
7	146,004	156,849	168,715	184,905	219,896	277,559	274,558	226,224	180,714	157,427	142,278	140,974
8	146,288	157,412	169,045	185,704	221,550	278,686	273,363	224,458	179,826	156,760	142,207	141,103
9	146,658	157,987	169,322	186,482	223,281	279,658	272,094	222,614	178,939	156,103	142,175	141,177
10	146,979	158,520	169,677	187,186	225,133	280,546	270,788	220,776	178,055	155,454	141,954	141,273
11	147,344	158,888	170,092	188,085	226,937	281,282	269,440	218,975	177,190	154,838	141,708	141,446
12	147,783	159,189	170,433	188,972	228,699	281,901	268,038	217,183	176,372	154,284	141,432	141,524
13	148,273	159,678	170,724	189,836	230,518	282,344	266,641	215,390	175,537	153,710	141,163	141,582
14	148,732	160,217	171,070	190,675	232,335	282,776	265,237	213,620	174,680	153,168	140,908	141,605
15	148,996	160,686	171,364	191,545	234,235	283,117	263,731	211,872	173,834	152,633	140,659	141,611
16	149,364	161,094	171,705	192,400	236,189	283,428	262,229	210,151	172,967	152,111	140,389	141,666
17	149,689	161,511	172,085	193,315	238,176	283,587	260,716	208,428	172,132	151,610	140,161	141,681
18	149,879	162,253	172,432	194,260	240,219	283,629	259,252	206,689	171,311	151,103	139,976	141,725
19	150,172	162,902	172,809	195,245	242,382	283,694	257,744	205,030	170,490	150,581	139,769	141,997
20	150,456	163,574	173,189	196,284	244,566	283,774	256,187	203,414	169,692	150,075	139,553	142,263
21	150,766	164,031	173,667	197,383	246,691	283,791	254,578	201,795	168,923	149,526	139,366	142,322
22	151,085	164,419	174,234	198,507	248,838	283,715	252,999	200,241	168,124	148,990	139,232	142,477
23	151,426	164,772	174,835	199,612	250,958	283,592	251,399	198,698	167,321	148,463	139,081	143,022
24	151,819	165,057	175,387	200,690	253,046	283,311	249,802	197,188	166,539	147,949	138,973	143,358
25	152,802	165,366	175,926	201,821	255,049	282,969	248,180	195,681	165,801	147,419	138,900	143,640
26	153,449	165,725	176,453	202,978	257,100	282,603	246,519	194,240	165,191	146,932	138,755	143,865
27	153,854	165,818	177,038	204,264	259,170	282,242	244,867	192,845	164,503	146,478	138,562	144,161
28	154,113	166,031	177,705	205,644	261,245	281,785	243,211	191,494	163,766	146,009	138,401	144,359
29	154,277	171,110	178,331	207,097	263,318	281,189	241,523	190,170	163,044	145,686	138,263	144,543
30	154,401	-	178,983	208,590	265,237	280,517	239,850	188,881	162,340	145,113	138,226	144,671
31	154,754	-	179,695	-	267,118	-	238,190	187,646	-	144,727	-	144,774
MAXIMUM DAY	154,754	171,110	179,695	208,590	267,118	283,791	279,804	236,603	186,515	161,627	144,336	144,774
MINIMUM DAY	144,103	155,308	166,346	180,446	210,113	268,906	238,190	187,646	162,340	144,727	138,226	138,079

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	8.6	111.0	12.4	13.6	15.3	16.6	23.7	29.8	14.9	8.6	7.1	5.8	267.4
2022	8.3	10.6	17.2	17.6	15.6	21.5	32.7	38.1	23.4	11.7	15.7	7.8	220.2
MEAN	16.5	20.3	28.8	37.6	42.4	60.6	90.9	146.5	130.2	68.2	30.5	18.4	691.0

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	0.00	0.02	0.01	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
2021-22	0.54	0.00	4.56	0.00	0.07	0.22	0.38	0.00	0.00	0.00	0.74	0.00	6.51
AVERAGE	0.35	1.15	2.08	2.38	2.04	1.54	0.67	0.26	0.07	0.13	0.16	0.28	11.11
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	76.1	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	76.2	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
2022	48.5	49.3	54.3	59.5	65.6	81.1	84.6	84.8	78.2	67.2	49.1	45.2	64.0
Normal	45.2	47.7	51.4	56.3	64.3	73.9	80.6	79.3	73.1	62.7	52.0	45.1	61.0
Maximum	52.0	56.1	59.3	64.1	73.0	81.1	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	2.65	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
2021-22	6.21	4.77	2.49	4.07	4.33	6.19	8.36	10.95	13.02	14.90	13.37	9.99	98.65
MEAN	6.37	3.51	2.28	2.36	2.87	4.81	7.06	10.23	12.92	14.51	13.14	9.69	89.75

ISABELLA RESERVOIR EVAPORATION

April 1954 to Date

Quantities in acre-feet

Year: 2022

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	9,076	6,587	4,019	2,053	1,139	61,423
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
2022	768	762	1,061	1,514	2,152	2,696	2,780	2,212	1,590	1,196	646	417	17,794
MEAN	828	914	1,541	2,393	4,062	5,831	6,605	5,603	3,941	2,576	1,395	872	36,560

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	Janurary 3	49,487	December 12	52,644
2022	81,062	May 29	36,368	November 1	51,047

KERN RIVER OPERATIONS

KERN RIVER IN REVIEW
2022

Introduction

Following back-to-back dry years, hopes that the 2021-2022 water year would bring much needed water to the valley floor were short lived. Multiple series of cold winter storms entered the Kern River watershed throughout December, highlighting what would end up being the wettest month of the 2021-2022 water year. By the end of December, snow water content had risen to an average of 11.69 inches across the watershed; 9 inches higher than the snow water content recorded on December 1. Early forecasts projected runoff to reach near 100% of normal for the upcoming spring, but high pressure and dry conditions brought on by La Niña conditions in the Pacific rendered any chances of precipitation in January 2022. Similar conditions were persistent throughout February and early March. It had become apparent that for the third consecutive year, spring runoff would be well below average. The State Department of Water Resources issued its April 1 forecast for the Kern River, projecting a wishful 125,000 acre-feet (29%) of runoff for the April-July period. The final April-July runoff as measured at First Point totaled **96,279** acre-feet; **21%** of the long-term average.

Precipitation

Monthly precipitation amounts in inches as recorded at selected Kern County stations during the 2021-2022 Water Year were as follows:

	Bakersfield Meadows Field (Elev. 494ft.)			Isabella Dam (Elev. 2260 ft.)		
	2021-2022	Average	% of Average	2021-2022	Average	% of Average
Oct	0.94	0.30	313%	0.54	0.35	154%
Nov	0.01	0.64	2%	0.00	1.15	0%
Dec	2.60	1.02	255%	4.56	2.08	219%
Jan	0.01	1.16	1%	0.00	2.38	0%
Feb	0.11	1.24	9%	0.07	2.04	3%
Mar	1.34	1.21	111%	0.22	1.54	14%
Apr	0.39	0.52	75%	0.38	0.67	57%
May	0.00	0.25	0%	0.00	0.26	0%
Jun	0.00	0.08	0%	0.00	0.07	0%
Jul	0.00	0.05	0%	0.00	0.13	0%
Aug	0.00	0.00	0%	0.74	0.16	463%
Sep	0.00	0.05	0%	0.00	0.28	0%
TOTAL	5.40	6.52	83%	6.51	11.11	59%

Glennville rain gauge was decommissioned in March of 2021.

Temperature

Isabella, California, 2022 mean air temperatures (°F) with comparative averages were as follows:

	2022 Actuals	Normal	Variance from Normal		2022 Actual	Normal	Variance from Normal
Jan	48.5	45.2	+3.3	Jul	84.6	80.6	+4.0
Feb	49.3	47.7	+1.6	Aug	84.8	79.3	+5.5
Mar	54.3	51.4	+2.9	Sep	78.2	73.1	+5.1
Apr	59.5	56.3	+3.2	Oct	67.2	62.7	+4.5
May	65.6	64.3	+1.3	Nov	49.1	52.0	-2.9
Jun	81.2	73.9	+7.3	Dec	45.2	45.1	+0.1

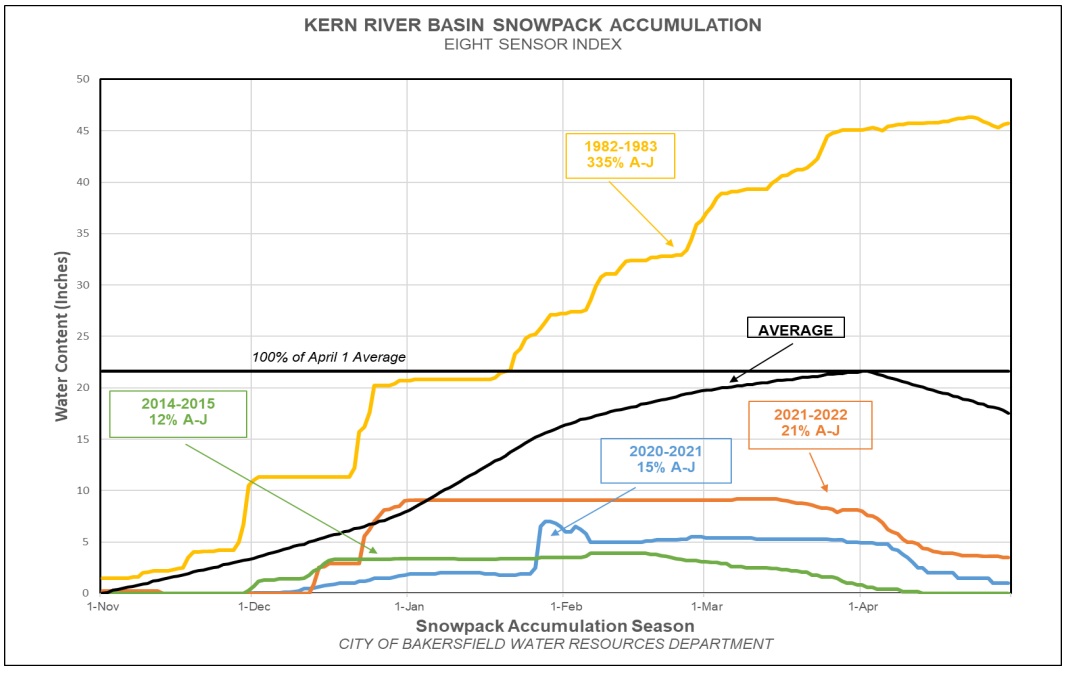
The mean annual temperature as recorded at Isabella Dam Headquarters for 2022 was 64.0° Fahrenheit, 3.0° above the long-term average (1956 to 2022). The maximum high temperature for 2022 occurred on July 16 at 105 °F. The minimum temperature occurred on December 19 at 27°F.

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, 2022, with April 1 historical average water contents of same shown for comparison:

	Upper Tyndall Creek	Crabtree Meadow	Chagoopa Plateau	Pascoe	Wet Meadow	Tunnel Guard	Casa Vieja Meadow	Beach Meadows
April 1, 2022	9.2	9.1	4.8	11.9	10.5	7.0	6.7	0.5
April 1 Average	27.7	19.8	21.8	24.9	30.3	15.6	20.7	11.0

The 2021-2022 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 2022 April-July snowmelt period:

February 1, 2022:	**70% of average (300,000 acft)**
March 1, 2022:	**40% of average (170,000 acft)**
April 1, 2022:	**29% of average (125,000 acft)**
May 1, 2022:	**25% of average (105,000 acft)**

Percent of average based on DWR's 30-year average (1991-2020)

Runoff

2022 April-July Kern River inflow to Isabella Reservoir was 105,942 acre-feet (24% of average). Peak inflow to Isabella Reservoir occurred on December 28, 2022 with 1,139 cubic feet per second while peak instantaneous flow at Kernville Measuring Station was reached on December 28, 2021 at the rate of 1,693 cubic feet per second. Water year inflow to Isabella Reservoir was 220,246 acre-feet (32%)

Final 2022 April-July Kern River runoff measured at First Point of measurement, near Bakersfield was 96,279 acre-feet (21%) of the long-term average and 29% of the historical median. Calendar year runoff as measured at First Point of Measurement, near Bakersfield for 2022 totaled 210,446 acre-feet, 30% of the long-term average (712,748 acre-feet) and 40% of the historical median (519,829 acre-feet).

Storage

Entering 2022, Isabella Reservoir storage held 52,644 acre-feet. Peak storage for 2022 occurred on May 29, 2022, at 81,062 Acre-feet. Maximum daily incremental change in storage occurred on December 30 to December 31,2022, when storage levels increased 1,180 acre-feet over a 24-hour period. Isabella Reservoir storage on December 31, 2022 reached 51,047 acre-feet of storage, equating to 30% of winter carryover lake capacity and 35% of the historical average December 31 carryover storage figure, 144,774 acre-feet.

Operations

Kern River regulated flow as computed at First Point of Measurement during the 2022 Calendar Year amounted to 194,249 acre-feet, 29% of the 1954-2022 average regulated flow of 677,217 acre-feet. The maximum regulated flow for the year occurred on June 7, 2021, with a mean daily discharge of 631 cfs. Zero Friant-Kern or State Water Project supplies were diverted in 2022.

Total water yield of the Kern River drainage basin and its surface storage reservoir in acre-feet during 2022 is summarized as follows:

+ Kern River Computed Natural Flow……	**210,446**
+ Isabella Reservoir Storage……	**1,597**
- Isabella Reservoir Evaporation……	**17,794**
- Kern River Diversions Above First Point …..	**7,531**
= Kern River Flow at First Point	**186,718**

Delivery of ***Kern River*** water to canal and conveyance facilities located below First Point of Measurement for the 2022 Calendar Year was as follows:

DELIVERY POINT	***FLOW IN ACRE-FEET***
Beardsley Canal	25,572
Calloway Canal	31,283
Kern Island Canal	84,190
Eastside Canal	16,000
Stine Canal	874
Panorama Preserve	2
Truxtun Lakes	187
Arvin-Edison Turnout	0
Buena Vista Canal	4,102
Park at River Walk	39
Rosedale Channel	0
Pioneer Canal	0
Berrenda Mesa Pipeline	48
Pioneer Property	0
Aera Park	0
Kern Water Bank via 2800 Acres	0
2800 Acres Recharge Facility	0
Kern Water Bank Canal	0
First Point Passing Second Point	0
2nd Point of Measurement	4,441
Carrier Canal Seepage Loss	3,183
River Seepage Loss	16,797

Kern River at First Point of Measurement "Computed Natural"

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	430	263	244	460	512	390	187	208	134	93	97	201
2	341	251	248	484	544	363	182	222	125	85	125	220
3	340	240	266	484	594	350	159	248	123	92	152	240
4	315	251	262	529	610	374	184	236	109	98	152	331
5	359	242	277	563	604	416	182	532	102	106	149	431
6	301	230	269	630	601	448	201	634	94	94	157	316
7	317	224	280	661	650	471	178	547	93	90	172	263
8	313	241	258	679	657	487	174	372	119	82	294	254
9	328	256	282	700	619	483	162	327	126	88	312	244
10	298	274	272	757	542	481	171	294	131	83	234	311
11	287	294	281	710	478	455	155	271	126	90	195	360
12	290	318	233	621	448	443	131	247	129	93	209	388
13	290	308	249	466	437	402	112	209	135	96	210	328
14	300	319	246	494	456	368	102	195	125	94	191	290
15	296	303	290	463	478	348	112	182	124	82	173	277
16	293	310	285	493	536	271	133	166	132	88	166	266
17	292	303	298	410	612	256	141	165	137	94	185	256
18	292	308	286	429	670	217	149	174	137	104	194	243
19	302	302	297	403	720	260	135	184	131	106	197	233
20	306	281	313	429	747	244	129	170	131	93	192	234
21	289	291	335	468	722	237	99	166	135	82	192	227
22	285	285	346	495	685	261	106	147	148	68	187	234
23	283	278	388	509	635	311	103	161	158	78	194	225
24	293	261	438	488	651	338	110	169	150	83	184	236
25	284	270	495	464	652	325	93	164	124	100	193	233
26	281	277	532	446	678	288	81	145	109	103	180	238
27	279	274	540	442	655	281	75	117	109	112	180	375
28	276	215	551	481	636	265	90	117	118	113	173	1,150
29	265	-	521	514	555	258	126	118	122	121	177	650
30	259	-	503	480	515	179	163	123	106	130	183	592
31	213	-	487	-	455	-	140	107	-	148	-	729
TOTAL	9,297	7,669	10,572	15,652	18,354	10,270	4,265	7,117	3,742	2,989	5,599	10,575
MAXIMUM DAY	430	319	551	757	747	487	201	634	158	148	312	1,150
MINIMUM DAY	213	215	233	403	437	179	75	107	93	68	97	201
MEAN	300	264	341	522	592	342	138	230	125	96	187	341
TOTAL AC. FT.	18,440	15,211	20,969	31,045	36,405	20,370	8,459	14,116	7,422	5,929	11,105	20,975

WHOLE YEAR:- TOTAL, 106,101 MAX., 1,150 MIN., 68 MEAN, 291 TOTAL AC.FT., 210,446

Kern River North Fork Flow at Kernville

DISCHARGE IN CUBIC FEET PER SECOND (As reported by U.S. Army Corps of Engineers) **Year: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	326	243	241	459	546	414	205	171	95	90	116	155
2	292	233	253	483	568	408	191	297	93	89	123	262
3	283	225	261	547	586	437	177	245	92	89	122	280
4	274	224	269	576	599	453	166	255	91	94	126	368
5	261	223	282	578	633	464	155	543	88	98	135	442
6	270	224	251	640	701	475	152	671	85	98	137	315
7	288	225	255	710	767	469	151	490	83	97	146	264
8	290	237	256	780	819	460	144	375	83	97	236	234
9	267	251	253	870	684	474	137	312	87	97	287	227
10	250	263	255	880	567	472	134	293	89	98	191	230
11	250	285	251	794	505	469	133	294	106	99	170	448
12	251	301	247	657	461	480	130	255	144	101	178	358
13	259	311	253	576	436	464	125	223	157	101	179	277
14	277	321	258	535	417	422	120	200	145	99	193	235
15	272	330	278	497	469	346	118	184	137	98	175	272
16	265	306	300	483	577	316	121	173	128	98	172	252
17	266	291	316	487	667	307	125	167	121	98	170	228
18	269	288	317	464	753	298	142	177	115	98	170	221
19	281	288	328	451	774	266	144	182	112	99	194	210
20	272	286	322	445	861	231	153	168	109	102	166	218
21	275	287	311	442	833	208	138	153	106	103	162	207
22	266	275	325	513	684	195	127	143	104	104	162	204
23	258	249	377	507	639	369	122	136	102	107	160	207
24	257	222	445	509	658	366	113	128	99	109	164	204
25	261	249	511	499	689	310	106	122	97	112	164	211
26	255	244	554	491	732	294	93	119	96	113	168	221
27	253	245	585	505	765	267	95	116	95	113	168	391
28	252	225	580	521	730	244	101	110	94	113	165	1,018
29	247	-	541	519	618	235	138	107	92	113	162	568
30	244	-	494	518	528	214	148	103	90	113	156	576
31	241	-	459	-	456	-	140	99	-	113	-	615
TOTAL	8,272	7,351	10,628	16,936	19,722	10,827	4,244	7,011	3,135	3,153	5,017	9,918
MAXIMUM DAY	326	330	585	880	861	480	205	671	157	113	287	1,018
MINIMUM DAY	241	222	241	442	417	195	93	99	83	89	116	155
MEAN	267	253	343	565	636	361	137	226	105	102	167	320
TOTAL AC. FT.	16,407	14,580	21,080	33,592	39,118	21,475	8,418	13,906	6,218	6,254	9,951	19,672

WHOLE YEAR:- TOTAL, 106,214 MAX., 1,018 MIN., 83 MEAN, 291 TOTAL AC.FT., 210,671

Kern River at First Point of Measurement "Regulated"

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	423	164	230	403	432	511	488	411	235	131	80	179
2	392	153	264	403	450	525	498	384	228	129	92	187
3	195	157	259	394	461	565	492	350	208	161	91	201
4	157	153	262	349	425	566	470	363	207	182	88	231
5	176	137	276	377	376	595	475	372	221	148	87	232
6	140	112	260	368	385	606	468	384	231	129	69	192
7	146	132	267	368	376	631	438	383	251	127	72	186
8	153	162	304	361	362	600	432	337	253	125	79	184
9	155	160	295	349	383	527	443	310	248	128	84	109
10	156	164	290	364	393	457	444	324	156	123	89	104
11	151	184	273	373	385	432	450	326	107	122	90	141
12	148	171	258	362	390	408	423	302	116	120	91	134
13	157	142	262	345	393	399	422	298	121	121	90	118
14	148	154	258	377	393	367	446	285	133	117	90	118
15	151	178	251	405	390	383	441	263	151	117	99	109
16	150	190	246	387	384	416	500	250	156	117	179	104
17	154	219	244	383	389	424	476	265	151	118	194	105
18	156	241	290	384	392	398	444	265	135	118	188	109
19	155	229	318	392	381	379	443	257	144	115	195	102
20	154	217	313	420	397	388	445	256	158	116	196	105
21	148	212	326	437	396	403	451	246	166	117	191	100
22	151	209	333	415	375	372	461	264	161	114	190	101
23	153	224	333	391	401	389	441	260	157	117	183	105
24	159	222	356	392	396	406	410	290	125	120	191	105
25	141	232	375	391	398	393	419	243	89	128	187	106
26	137	226	396	412	399	379	429	196	117	136	183	108
27	144	222	385	429	418	439	428	183	147	137	181	101
28	153	213	392	430	410	435	424	185	153	133	180	113
29	145	-	405	432	425	427	454	207	143	133	185	118
30	144	-	396	435	487	444	428	225	135	133	184	126
31	135	-	409	-	524	-	421	227	-	137	-	127
TOTAL	5,227	5,179	9,526	11,728	12,566	13,664	13,904	8,911	5,003	3,969	4,098	4,160
MAX INSTANT.	387	315	507	744	707	996	667	541	255	208	174	220
MIN INSTANT.	106	128	149	340	203	315	306	216	135	150	60	105
MEAN	169	179	307	391	405	455	449	287	167	149	137	134
TOTAL AC. FT.	10,367	10,272	18,894	23,263	24,924	27,102	27,577	17,675	9,923	7,873	8,128	8,251

WHOLE YEAR:- TOTAL, 97,935 MAX., 996 MIN., 106 MEAN, 268 TOTAL AC.FT., 194,249

Total Kern River Flow Diverted Above First Point of Measurement

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3	1	3	15	6	18	16	15	14	14	17	3
2	1	0	3	15	6	19	17	15	19	14	15	1
3	1	2	1	15	7	17	15	17	16	21	14	1
4	1	2	1	20	6	19	15	16	15	14	12	3
5	0	1	1	14	10	16	17	12	20	16	16	1
6	1	1	2	15	10	21	23	18	18	13	14	1
7	1	0	2	16	11	16	16	19	15	16	13	1
8	0	3	1	15	9	16	19	15	17	13	15	1
9	0	0	1	15	8	14	15	20	14	14	14	1
10	3	1	2	19	10	19	16	17	15	20	14	2
11	1	1	2	14	7	14	21	16	13	15	16	1
12	0	1	2	2	8	16	14	16	19	15	13	0
13	0	1	2	2	10	21	16	19	17	17	13	1
14	0	2	1	3	14	17	18	16	16	13	13	0
15	1	0	1	2	9	18	17	20	17	14	15	2
16	0	0	2	1	7	16	17	19	10	16	16	0
17	1	2	1	2	10	17	16	17	10	19	14	1
18	1	1	2	4	16	14	18	16	15	14	15	1
19	0	1	3	3	10	14	19	18	19	14	14	0
20	3	2	2	6	12	22	17	18	19	15	16	4
21	1	0	14	3	12	17	16	15	17	15	14	0
22	2	0	16	1	14	15	18	23	16	14	14	0
23	1	3	14	1	22	16	14	15	18	13	13	2
24	0	0	15	2	14	19	14	17	15	18	13	0
25	1	2	15	2	18	14	20	16	14	18	17	1
26	0	1	15	1	15	14	17	18	19	14	13	2
27	0	1	15	4	19	23	19	16	16	13	13	0
28	1	0	14	2	14	17	16	18	19	15	3	1
29	0	-	16	2	15	16	17	15	14	14	1	1
30	3	-	15	6	17	17	17	22	19	14	1	1
31	0	-	16	-	16	-	23	15	-	19	-	0
TOTAL	27	29	200	222	362	512	533	529	485	474	391	33
MAXIMUM DAY	3	3	16	20	22	23	23	23	20	21	17	4
MINIMUM DAY	0	0	1	1	6	14	14	12	10	13	1	0
MEAN	1	1	6	7	12	17	17	17	16	15	13	1
TOTAL AC. FT.	53	57	396	441	718	1,015	1,057	1,050	962	941	776	65

WHOLE YEAR:- TOTAL, 3,797 MAX., 23 MIN., 0 MEAN, 10 TOTAL AC.FT., 7,531

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

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2022**

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
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: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9	0	9	42	110	7	5	5	5	4	5	9
2	9	5	9	18	109	7	5	5	4	5	5	9
3	9	8	9	8	105	6	5	5	4	5	5	9
4	9	9	9	7	61	4	5	5	4	5	4	9
5	9	9	9	26	8	5	5	5	4	5	3	9
6	9	9	9	28	8	5	5	5	5	4	4	9
7	9	9	9	24	8	5	5	4	5	4	5	9
8	9	9	9	22	8	5	5	5	5	4	5	9
9	9	9	9	22	8	5	5	5	5	4	3	9
10	9	9	9	21	8	5	5	4	5	5	1	9
11	9	9	9	22	8	5	5	5	5	5	4	9
12	9	9	9	18	8	5	5	5	5	5	4	9
13	9	9	9	19	8	5	5	5	5	4	5	9
14	9	9	9	54	8	5	5	5	5	4	8	9
15	9	9	8	82	9	5	5	5	5	5	7	9
16	9	8	9	91	8	5	5	5	4	5	9	9
17	3	9	8	93	8	5	5	5	4	5	9	9
18	0	9	9	93	8	5	5	5	4	5	8	9
19	0	9	8	92	8	5	5	5	5	5	8	8
20	0	9	9	94	8	5	5	5	5	4	8	9
21	0	9	9	103	8	5	5	5	5	4	8	9
22	0	9	9	103	8	3	5	5	4	4	8	9
23	0	9	8	102	9	3	5	4	4	4	8	9
24	0	9	16	101	8	5	5	5	4	5	8	9
25	0	9	30	100	8	5	5	5	5	5	8	9
26	0	9	42	99	8	5	5	4	5	5	8	9
27	0	9	44	98	8	3	5	5	5	4	8	9
28	0	9	45	101	9	3	5	5	5	4	8	9
29	0	-	48	100	8	5	5	4	5	4	9	9
30	0	-	50	98	8	5	5	4	4	4	9	9
31	0	-	48	-	8	-	5	4	-	5	-	9
TOTAL	147	237	526	1,881	604	146	155	148	139	140	192	278
MAXIMUM DAY	9	9	50	103	110	7	5	5	5	5	9	9
MINIMUM DAY	0	0	8	7	8	3	5	4	4	4	1	8
MEAN	5	8	17	63	19	5	5	5	5	5	6	9
TOTAL AC. FT.	292	470	1,043	3,731	1,198	290	307	294	276	278	381	552

WHOLE YEAR:- TOTAL, 4,593 MAX., 110 MIN., 0 MEAN, 13 TOTAL AC.FT., 9,112

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

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2022**

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: 2022

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista W.S.D. Entitlement	0	0	1,166	4,197	5,716	1,166	0	577	0	0	0	0	12,822
Hacienda W.D. Entitlement	0	0	0	0	0	0	0						0
K.C.L. Entitlement @ 2nd Point	0	0	0	42	272	57	0	28	0	0	0	0	399
Kern Island (1-st)	17,258	14,571	16,626	17,370	18,446	16,427	7,783	11,740	6,767	5,253	10,448	15,877	158,566
Eastside													
Kern River Conduit			2,501	8,781	11,279	2,065	0	1,095					25,721
Castro	48	8	0	0	0	0	0	0	0	0	0	89	145
KCC & W Co.	127	21	0	0	2	0	0	0	0	0	2	260	412
South Fork	79	0	0	0	0	0	0	0	0	0	0	177	256
Buena Vista (1-st)	216	0	0	0	2	0	0	0	0	0	0	984	1,202
James (1-st)	36	0	0	0	4	0	0	0	0	0	0	962	1,002
Anderson (1-st)	0	0	0	0	0	0	0	0	0	0	0	153	153
Stine	0	0	0	0	6	0	0	0	0	0	0	859	865
Meacham	0	0	0	0	2	0	0	0	0	0	0	117	119
Farmers	0	0	0	0	0	0	0	0	0	0	0	294	294
Plunket	0	0	0	0	0	0	0	0	0	0	0	77	77
Joyce	0	0	0	0	0	0	0	0	0	0	0	77	77
Johnson	0	0	0	0	0	0	0	0	0	0	0	77	77
Pioneer (1-st)	0	0	0	0	0	0	0	0	0	0	0	254	254
Beardsley (1-st)	0	0	0	0	0	0	0	0	0	0	0	42	42
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
						0							
Computed Loss	676	611	676	655	676	655	676	676	655	676	655	676	7,963
Total 1st Point Group Entitlement	18,440	15,211	19,803	26,848	30,689	19,204	8,459	13,539	7,422	5,929	11,105	20,975	197,624

CITY OF BAKERSFIELD

SUMMARY OF KERN RIVER FIRST POINT GROUP

KERN RIVER DIVERSIONS

Quantities in acre-feet

Year: 2022

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
KERN RIVER FLOW AT FIRST POINT	**10,314**	**10,215**	**18,498**	**22,822**	**24,206**	**26,087**	**26,520**	**16,625**	**8,961**	**6,932**	**7,352**	**8,186**	**186,718**
BEARDSLEY CANAL	486	0	149	639	819	5,129	7,975	1,569	523	657	3,266	4,360	25,572
CALLOWAY CANAL	1,993	2,637	2,861	2,977	3,685	4,502	5,109	4,060	0	3,459	0	0	31,283
KERN ISLAND CANAL	4,500	6,325	8,815	9,967	13,273	9,398	9,521	8,251	7,783	946	3,350	2,061	84,190
EASTSIDE CANAL	0	0	2,247	2,717	3,689	3,622	2,370	1,355	0	0	0	0	16,000
STINE CANAL	0	0	0	0	77	797	0	0	0	0	0	0	874
PANORAMA PRESERVE	0	0	0	0	2	0	0	0	0	0	0	0	2
TRUXTUN LAKES	70	0	101	16	0	0	0	0	0	0	0	0	187
ARVIN-EDISON TURNOUT	0	0	0	0	0	0	0	0	0	0	0	0	0
BUENA VISTA CANAL	208	0	1,601	1,277	66	950	0	0	0	0	0	0	4,102
THE PARK AT RIVER WALK	12	0	23	4	0	0	0	0	0	0	0	0	39
ROSEDALE CHANNEL	0	0	0	0	0	0	0	0	0	0	0	0	0
PIONEER CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0
BERRENDA MESA PIPELINE	48	0	0	0	0	0	0	0	0	0	0	0	48
PIONEER PROPERTY	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	0	0
KERN WATER BANK VIA 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
2800 ACRE RECHARGE FACILITY	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
CARRIER CANAL LOSS/REFILL	510	0	883	694	556	219	0	0	0	0	81	240	3,183
RIVER LOSS & SPREADING	2,487	1,253	1,320	1,284	1,343	1,470	1,545	1,390	655	1,870	655	1,525	16,797
FIRST POINT CANALS TOTAL FLOW	**10,314**	**10,215**	**18,000**	**19,575**	**23,510**	**26,087**	**26,520**	**16,625**	**8,961**	**6,932**	**7,352**	**8,186**	**182,277**
TOTAL FLOW AT SECOND POINT	**0**	**0**	**498**	**3,247**	**696**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4,441**
BUENA VISTA WSD	0	0	498	3,247	696	0	0	0	0	0	0	0	4,441
CITY to BUENA VISTA WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY to HWD	0	0	0	0	0	0	0	0	0	0	0	0	0
HWD	0	0	0	0	0	0	0	0	0	0	0	0	0

UTILIZATION OF STORAGE - ISABELLA RESERVOIR
KERN RIVER FIRST POINT GROUP

Year: 2022

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	2,500	6,817	6,951	6,887	5,752	7,864	2,097	2,405	1,147	584	544	513	44,061
Buena Vista	605	591	573	551	444	0	0	0	0	0	216	397	3,377
Stine	1,500	1,470	1,428	1,374	1,169	0	0	0	0	0	20	30	6,991
Farmers	763	746	724	696	636	0	0	0	0	0	121	318	4,004
KERN DELTA WD TOTAL	**5,368**	**9,624**	**9,676**	**9,508**	**8,001**	**7,864**	**2,097**	**2,405**	**1,147**	**584**	**901**	**1,258**	**58,433**
City of Bakersfield	4,836	4,961	5,993	8,855	14,990	10,707	4,460	3,860	1,633	577	1,328	1,841	64,041
Kern River Canal & Irr. Co.	761	740	571	156	0	0	0	0	0	0	0	799	3,027
South Fork	600	850	850	892	892	892	892	892	892	0	600	600	8,852
Improvement District No. 4	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF BAKERSFIELD TOTAL	**6,197**	**6,551**	**7,414**	**9,903**	**15,882**	**11,599**	**5,352**	**4,752**	**2,525**	**577**	**1,928**	**3,240**	**75,920**
NORTH KERN WSD	**11,140**	**10,884**	**10,555**	**14,129**	**14,442**	**9,147**	**1,372**	**249**	**204**	**148**	**2,023**	**12,784**	**87,077**
TOTAL 1ST POINT STORAGE	**22,705**	**27,059**	**27,645**	**33,540**	**38,325**	**28,610**	**8,821**	**7,406**	**3,876**	**1,309**	**4,852**	**17,282**	**221,430**

KERN DELTA
WATER DISTRICT

EASTSIDE HEADGATES 2022

KERN DELTA WATER DISTRICT

Monthly Summary of Kern River Entitlements, Diversions,

Deliveries and Storage ... All Canals

Quantities in acre-feet

Year: 2022

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Kern Delta Preserved Entitlement (all canals)		*8,840*							*610*	*851*	*8,369*	*3,633*	*2,460*	TOTAL
Kern River Entitlement	+	17,474	14,571	16,626	17,370	18,454	16,427	7,783	11,740	6,767	5,253	10,448	18,014	160,927
Release Gain	+	2,865	0	0	0	0	0	0	0	0	0	387	410	3,662
Release Loss	-	8,793	0	0	0	0	0	0	0	0	0	7,073	15,964	31,830
Entitlement + or - Releases	=	**11,546**	**14,571**	**16,626**	**17,370**	**18,454**	**16,427**	**7,783**	**11,740**	**6,767**	**5,253**	**3,762**	**2,460**	**132,759**
Into Isabella Storage	-	7,061	4,464	588	418	196	2,690	0	1,579	700	199	412	410	18,717
From Isabella Storage	+	3,943	50	280	222	1,311	2,399	5,278	825	1,716	545	0	11	16,580
Storage Transfer to NKWSD	-	0	0	0	0	1,000	0	0	0	0	0	0	0	1,000
Storage Transfer to City of Bakersfield	-	0	726	0	121	0	0	0	0	0	0	0	0	847
River and Carrier Canal Loss	-	918	0	486	38	496	219	0	0	0	0	0	0	2,157
Via/For Improvement District No. 4	-	2,802	3,106	3,169	3,054	968	1,309	1,388	1,380	0	4,653	0	0	21,829
Diverted at Heads of Canals	=	**4,708**	**6,325**	**12,663**	**13,961**	**17,105**	**14,608**	**11,673**	**9,606**	**7,783**	**946**	**3,350**	**2,061**	**104,789**
From Others	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	=	**4,708**	**6,325**	**12,663**	**13,961**	**17,105**	**14,608**	**11,673**	**9,606**	**7,783**	**946**	**3,350**	**2,061**	**104,789**
Utility Deliveries		1,617	3,688	6,368	7,632	11,434	8,079	6,662	5,360	4,665	408	1,420	743	58,076
Contract Deliveries		239	595	385	653	446	401	148	216	187	78	46	34	3,428
Total Irrigation Deliveries	-	**1,856**	**4,283**	**6,753**	**8,285**	**11,880**	**8,480**	**6,810**	**5,576**	**4,852**	**486**	**1,466**	**777**	**61,504**
Total District Spreading Deliveries	-	**94**	**164**	**373**	**161**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**726**	**1,518**
Canal Conveyance Losses	=	2,758	1,878	5,537	5,515	5,225	6,128	4,863	4,030	2,931	460	1,884	558	41,767
Delivery Percentage		41%	70%	56%	60%	69%	58%	58%	58%	62%	51%	44%	73%	60%

Reservoir Evaporation Loss		140	158	256	364	392	428	489	446	242	217	95	42	3,269
End of Month Reservoir Storage		**5,368**	**9,624**	**9,676**	**9,508**	**8,001**	**7,864**	**2,097**	**2,405**	**1,147**	**584**	**901**	**1,258**	

Total Flow via the Kern Island Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	77	151	151	184	199	174	132	201	97	43	100
2	0	83	165	139	194	194	175	123	189	74	57	131
3	51	82	157	127	204	209	163	122	172	50	57	129
4	85	79	153	145	207	190	154	120	172	21	57	128
5	82	66	124	150	207	167	159	128	181	14	51	125
6	77	45	107	137	220	175	184	126	193	10	44	126
7	78	66	140	148	221	205	181	117	217	10	48	128
8	84	92	143	148	222	225	166	116	216	11	53	127
9	86	90	120	154	245	193	153	116	215	10	52	45
10	84	91	124	148	248	161	140	128	122	8	56	0
11	78	109	124	169	242	147	142	131	74	8	56	0
12	77	95	106	201	240	131	158	129	77	8	59	0
13	78	68	100	199	237	133	169	122	84	9	59	0
14	76	88	125	203	238	138	180	114	97	8	58	0
15	73	108	142	199	238	147	165	115	114	9	59	0
16	73	116	134	165	237	161	148	124	126	9	58	0
17	75	148	130	156	227	146	136	133	121	9	59	0
18	78	170	167	162	222	130	140	129	100	9	59	0
19	79	158	149	163	211	116	152	115	106	9	59	0
20	79	146	128	183	195	124	156	121	120	9	58	0
21	77	142	129	185	182	150	165	120	129	9	59	0
22	80	147	161	157	172	145	175	128	125	6	60	0
23	88	150	184	158	204	145	163	131	119	7	59	0
24	87	157	194	166	219	142	133	158	90	8	58	0
25	81	162	187	167	217	143	135	161	55	7	59	0
26	74	158	168	184	211	126	147	158	78	7	59	0
27	80	153	150	191	206	148	145	148	111	8	59	0
28	84	143	147	186	217	151	141	147	114	8	56	0
29	81	-	151	190	211	146	132	172	109	9	59	0
30	73	-	140	194	205	151	134	183	97	8	59	0
31	71	-	144	-	209	-	135	193	-	8	-	0
TOTAL	2,269	3,189	4,444	5,025	6,692	4,738	4,800	4,160	3,924	477	1,689	1,039
MAXIMUM DAY	88	170	194	203	248	225	184	193	217	97	60	131
MINIMUM DAY	0	45	100	127	172	116	132	114	55	6	43	0
MEAN	73	114	143	168	216	158	155	134	131	15	56	34
TOTAL AC. FT.	4,500	6,325	8,815	9,967	13,273	9,398	9,521	8,251	7,783	946	3,350	2,061

WHOLE YEAR:- TOTAL, 42,446 MAX., 248 MIN., 0 MEAN, 116 TOTAL AC.FT., 84,190

KERN DELTA WATER DISTRICT
KERN ISLAND CANAL SERVICE AREA

Quantities in acre-feet

Year: 2022

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Kern Island (1st) Preserved Ent'l		*8,493*									*6,989*	*3,375*	*2,050*	TOTAL
Kern Island (1st) Gross Ent'l	+	17,258	14,571	16,626	17,370	18,446	16,427	7,783	11,740	6,767	5,253	10,448	15,877	158,566
Kern Island (1st) Release Loss	-	8,765	0	0	0	0	0	0	0	0	0	7,073	13,827	29,665
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**	**14,571**	**16,626**	**17,370**	**18,446**	**16,427**	**7,783**	**11,740**	**6,767**	**5,253**	**3,375**	**2,050**	**128,901**
Into Storage	-	4,462	4,464	588	418	187	2,690	0	1,579	700	199	25	0	15,312
From Storage	+	3,753	50	280	222	1,047	169	5,278	825	1,716	545	0	11	13,896
Storage Transfer to City of Bakersfield	-	0	726	0	121	0	0	0	0	0	0	0	0	847
Storage Transfer to NKWSD	-	0	0	0	0	1,000	0	0	0	0	0	0	0	1,000
River and Carrier Canal Loss	-	274	0	486	38	352	153	0	0	0	0	0	0	1,303
Transfer in Storage	+ or -	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastside Canal Entitlement	-	0	0	2,247	2,717	3,689	3,622	2,370	1,355	0	0	0	0	16,000
Via/For Improvement District No. 4	-	2,802	3,106	3,169	3,054	968	1,309	1,388	1,380	0	4,653	0	0	21,829
Diverted at Head of Canal	=	**4,708**	**6,325**	**10,416**	**11,244**	**13,297**	**8,822**	**9,303**	**8,251**	**7,783**	**946**	**3,350**	**2,061**	**86,506**
From Others	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	=	**4,708**	**6,325**	**10,416**	**11,244**	**13,297**	**8,822**	**9,303**	**8,251**	**7,783**	**946**	**3,350**	**2,061**	**86,506**
Utility Deliveries		1,617	3,688	5,158	5,972	8,929	4,710	5,623	4,684	4,665	408	1,420	743	47,617
Contract Deliveries		239	595	385	653	446	401	148	216	187	78	46	34	3,428
Total Irrigation Deliveries	-	**1,856**	**4,283**	**5,543**	**6,625**	**9,375**	**5,111**	**5,771**	**4,900**	**4,852**	**486**	**1,466**	**777**	**51,045**
Total District Spreading	-	**94**	**164**	**315**	**161**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**726**	**1,460**
Canal Conveyance Losses	=	2,758	1,878	4,558	4,458	3,922	3,711	3,532	3,351	2,931	460	1,884	558	**34,001**
Delivery Percentage		41%	70%	56%	60%	71%	58%	62%	59%	62%	51%	44%	73%	**61%**

Into Reservoir Storage		4,462	4,464	588	418	187	2,690	0	1,579	700	199	25	0	15,312
Reservoir Evaporation Loss		106	97	174	260	275	409	489	446	242	217	65	20	2,800
From Reservoir Storage		3,753	50	280	222	1,047	169	5,278	825	1,716	545	0	11	13,896
End of Month Reservoir Storage		**2,500**	**6,817**	**6,951**	**6,887**	**5,752**	**7,864**	**2,097**	**2,405**	**1,147**	**584**	**544**	**513**	

State Exchange Delivered	+	0	0	0	0	0	159	218	0	0	0	0	0	377
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**	**0**	**159**	**218**	**0**	**0**	**0**	**0**	**0**	**377**
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: 2022

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
KERN ISLAND CANAL ENTITLEMENT:													
Maximum	8,493	16,661	18,446	17,851	18,446	17,851	18,446	18,446	17,851	6,989	3,375	2,050	164,905
Actual	8,493	14,571	16,626	17,370	18,446	16,427	7,783	11,740	6,767	5,253	3,375	2,050	128,901
Maximum Percentage	100.00%	87.46%	90.13%	97.31%	100.00%	92.02%	42.19%	63.65%	37.91%	75.16%	100.00%	100.00%	
CONTRACT ENTITLEMENT:													
Maximum	113	222	246	238	246	238	246	246	238	246	45	45	2,369
Actual	113	194	222	232	246	219	104	157	90	185	45	45	1,852
Sum to Date	113	307	529	761	1,007	1,226	1,330	1,487	1,577	1,762	1,807	1,852	
CONTRACT DIVERTED:													
For Month	0	105	145	145	179	151	42	61	52	0	0	6	886
To Date	0	105	250	395	574	725	767	828	880	880	880	886	
UNUSED ENTITLEMENT:													
For Month	113	89	77	87	67	68	62	96	38	185	45	39	966
Sum to Date	113	202	279	366	433	501	563	659	697	882	927	966	

KERN ISLAND CANAL

ENTITLEMENT AND DIVERSION OF CONTRACT WATER

BLOOMFIELD CONTRACT

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

Year: 2022

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
KERN ISLAND CANAL ENTITLEMENT:													
Maximum	8,493	16,661	18,446	17,851	18,446	17,851	18,446	18,446	17,851	6,989	3,375	2,050	164,905
Actual	8,493	14,571	16,626	17,370	18,446	16,427	7,783	11,740	6,767	5,253	3,375	2,050	128,901
Maximum Percentage	100.00%	87.46%	90.13%	97.31%	100.00%	92.02%	42.19%	63.65%	37.91%	75.16%	100.00%	100.00%	
CONTRACT ENTITLEMENT:													
Maximum	142	142	307	298	307	298	307	307	298	116	56	34	2,612
Actual	142	124	277	290	307	274	130	195	113	87	56	34	2,029
Sum to Date	142	266	543	833	1,140	1,414	1,544	1,739	1,852	1,939	1,995	2,029	
CONTRACT DIVERTED:													
For Month	239	490	240	508	267	250	106	155	135	78	46	28	2,542
To Date	239	729	969	1,477	1,744	1,994	2,100	2,255	2,390	2,468	2,514	2,542	
UNUSED ENTITLEMENT:													
For Month	(97)	(366)	37	(218)	40	24	24	40	(22)	9	10	6	(513)
Sum to Date	(97)	(463)	(426)	(644)	(604)	(580)	(556)	(516)	(538)	(529)	(519)	(513)	

Total Flow via the Eastside Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2022

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	3	31	47	64	66	25	0	0	0	0
2	0	0	24	24	53	66	68	33	0	0	0	0
3	0	0	31	26	60	67	61	30	0	0	0	0
4	0	0	39	30	69	65	53	46	0	0	0	0
5	0	0	29	44	70	56	50	51	0	0	0	0
6	0	0	37	60	64	59	43	60	0	0	0	0
7	0	0	39	58	57	62	48	62	0	0	0	0
8	0	0	44	57	50	62	46	58	0	0	0	0
9	0	0	34	42	45	68	49	56	0	0	0	0
10	0	0	32	40	51	68	47	61	0	0	0	0
11	0	0	32	40	55	64	44	60	0	0	0	0
12	0	0	32	42	56	53	42	42	0	0	0	0
13	0	0	32	47	58	59	41	39	0	0	0	0
14	0	0	32	42	55	64	39	41	0	0	0	0
15	0	0	34	40	54	67	36	19	0	0	0	0
16	0	0	40	42	54	70	34	0	0	0	0	0
17	0	0	44	45	63	72	31	0	0	0	0	0
18	0	0	44	45	66	61	29	0	0	0	0	0
19	0	0	45	50	61	52	32	0	0	0	0	0
20	0	0	39	53	65	51	33	0	0	0	0	0
21	0	0	41	56	62	66	34	0	0	0	0	0
22	0	0	42	55	57	69	35	0	0	0	0	0
23	0	0	40	50	59	57	35	0	0	0	0	0
24	0	0	45	49	61	46	28	0	0	0	0	0
25	0	0	52	48	65	39	23	0	0	0	0	0
26	0	0	42	48	69	40	25	0	0	0	0	0
27	0	0	38	55	71	58	29	0	0	0	0	0
28	0	0	40	53	66	67	26	0	0	0	0	0
29	0	-	38	50	64	67	22	0	0	0	0	0
30	0	-	35	48	66	67	23	0	0	0	0	0
31	0	-	34	-	67	-	23	0	-	0	-	0
TOTAL	0	0	1,133	1,370	1,860	1,826	1,195	683	0	0	0	0
MAXIMUM DAY	0	0	52	60	71	72	68	62	0	0	0	0
MINIMUM DAY	0	0	3	24	45	39	22	0	0	0	0	0
MEAN	0	0	37	46	60	61	39	22	0	0	0	0
TOTAL AC. FT.	0	0	2,247	2,717	3,689	3,622	2,370	1,355	0	0	0	0

WHOLE YEAR:- TOTAL, 8,067 MAX., 72 MIN., 0 MEAN, 22 TOTAL AC.FT., 16,000

KERN DELTA WATER DISTRICT
EASTSIDE CANAL SERVICE AREA

Quantities in acre-feet

Year: 2022

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	+	0	0	2,247	2,717	3,689	3,622	2,370	1,355	0	0	0	0	16,000
State Exchange Diverted	+	0	0	0	0	0	0	0	0	0	0	0	0	0
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**	**0**	**2,247**	**2,717**	**3,689**	**3,622**	**2,370**	**1,355**	**0**	**0**	**0**	**0**	**16,000**
Utility Deliveries	+	0	0	1,210	1,660	2,475	2,225	1,039	676	0	0	0	0	9,285
Contract Deliveries	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Utility Deliveries	=	0	0	1,210	1,660	2,475	2,225	1,039	676	0	0	0	0	9,285
State Exchange Delivered	+	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries		**0**	**0**	**1,210**	**1,660**	**2,475**	**2,225**	**1,039**	**676**	**0**	**0**	**0**	**0**	**9,285**
District Spreading (Utility)	+	0	0	58	0	0	0	0	0	0	0	0	0	58
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**	**0**	**58**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**58**
Canal Loss (Utility)	+	0	0	979	1,057	1,214	1,397	1,331	679	0	0	0	0	6,657
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**	**0**	**979**	**1,057**	**1,214**	**1,397**	**1,331**	**679**	**0**	**0**	**0**	**0**	**6,657**
Delivery Percentage		0%	0%	56%	61%	67%	61%	44%	50%	0%	0%	0%	0%	58%

Total Flow via the Buena Vista Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	79	0	40	0	0	0	0	0	0
2	0	0	0	74	0	44	0	0	0	0	0	0
3	37	0	0	76	0	65	0	0	0	0	0	0
4	42	0	0	70	0	74	0	0	0	0	0	0
5	26	0	0	59	0	76	0	0	0	0	0	0
6	0	0	26	50	0	73	0	0	0	0	0	0
7	0	0	11	37	0	72	0	0	0	0	0	0
8	0	0	44	33	0	35	0	0	0	0	0	0
9	0	0	47	41	0	0	0	0	0	0	0	0
10	0	0	31	56	0	0	0	0	0	0	0	0
11	0	0	33	49	0	0	0	0	0	0	0	0
12	0	0	36	20	0	0	0	0	0	0	0	0
13	0	0	16	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	17	0	0	0	0	0	0	0	0	0
20	0	0	57	0	0	0	0	0	0	0	0	0
21	0	0	47	0	0	0	0	0	0	0	0	0
22	0	0	31	0	15	0	0	0	0	0	0	0
23	0	0	10	0	12	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	11	0	0	0	0	0	0	0	0	0
26	0	0	41	0	0	0	0	0	0	0	0	0
27	0	0	54	0	0	0	0	0	0	0	0	0
28	0	0	64	0	0	0	0	0	0	0	0	0
29	0	-	67	0	0	0	0	0	0	0	0	0
30	0	-	76	0	0	0	0	0	0	0	0	0
31	0	-	88	-	6	-	0	0	-	0	-	0
TOTAL	105	0	807	644	33	479	0	0	0	0	0	0
MAXIMUM DAY	42	0	88	79	15	76	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	3	0	26	21	1	16	0	0	0	0	0	0
TOTAL AC. FT.	208	0	1,601	1,277	66	950	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 2,068 MAX., 88 MIN., 0 MEAN, 6 TOTAL AC.FT., 4,102

KERN DELTA WATER DISTRICT

BUENA VISTA CANAL SERVICE AREA

Quantities in acre-feet

Year: 2022

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Buena Vista (1st) Preserved Ent'l		*347*										*236*	*191*	TOTAL
Buena Vista (1st) Gross Ent'l	+	216	0	0	0	2	0	0	0	0	0	0	984	1,202
Buena Vista (1st) Release Gain	+	159	0	0	0	0	0	0	0	0	0	236	191	586
Buena Vista (1st) Release Loss	-	28	0	0	0	0	0	0	0	0	0	0	984	1,012
Buena Vista (2nd) Gross Ent'l	+	0	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	0
Buena Vista (2nd) Release Loss	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Entitlement + or - Releases	**=**	**347**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**236**	**191**	**776**
Into Storage	-	347	0	0	0	2	0	0	0	0	0	236	191	776
From Storage	+	0	0	0	0	83	440	0	0	0	0	0	0	523
Storage Transfer to NKWSD	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal/River Loss	-	0	0	0	0	71	14	0	0	0	0	0	0	85
Transfer in Storage	+ or -	0	0	0	0	0	0	0	0	0	0	0	0	0
Via/For Improvement District No. 4	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head of Canal	**=**	**0**	**0**	**0**	**0**	**12**	**426**	**0**	**0**	**0**	**0**	**0**	**0**	**438**
From Others	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	**=**	**0**	**0**	**0**	**0**	**12**	**426**	**0**	**0**	**0**	**0**	**0**	**0**	**438**
Utility Deliveries		0	0	0	0	0	317	0	0	0	0	0	0	317
Contract Deliveries		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	**-**	**0**	**0**	**0**	**0**	**0**	**317**	**0**	**0**	**0**	**0**	**0**	**0**	**317**
Total District Spreading	**-**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Canal Conveyance Losses	=	0	0	0	0	12	109	0	0	0	0	0	0	121
Delivery Percentage		0%	0%	0%	0%	0%	74%	0%	0%	0%	0%	0%	0%	72%
Into Reservoir Storage		347	0	0	0	2	0	0	0	0	0	236	191	776
Reservoir Evaporation Loss		18	14	18	22	26	4	0	0	0	0	20	10	132
From Reservoir Storage		0	0	0	0	83	440	0	0	0	0	0	0	523
End of Month Reservoir Storage		**605**	**591**	**573**	**551**	**444**	**0**	**0**	**0**	**0**	**0**	**216**	**397**	
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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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**	**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**
BVWSD/Carmel Exchange Delivered	+	0	0	0	0	0	0	0	0	0	0	0	0	0
BVWSD/Carmel Exch.Spreading/Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total BVWSD/Carmel Exch Diverted	**=**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

KERN DELTA WATER DISTRICT
BUENA VISTA CANAL
DISTRIBUTION OF WATER

Quantities in acre-feet

Year: 2022

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista Canal at Headworks	208	0	1,601	1,277	66	950	0	0	0	0	0	0	4,102
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	1,450	1,400	0	0	0	0	0	2,850
TOTAL BUENA VISTA CANAL SUPPLY	**208**	**0**	**1,601**	**1,277**	**66**	**2,400**	**1,400**	**0**	**0**	**0**	**0**	**0**	**6,952**
Deliveries:									0				
Buena Vista Utility	0	0	0	0	0	319	0	0	0	0	0	0	319
Buena Vista Utility Spreading	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista State Exchange (Irrigation)	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
BVWSD/Carmel Exchange (Spreading)	0	0	0	0	0	0	0	0	0	0	0	0	0
Stine Utility	0	0	0	0	0	60	0	0	0	0	0	0	60
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	0	0	0	0	0	0	0	0
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	0	0	250	496	0	938	676	0	0	0	0	0	2,360
Kern Island Utility Spreading	0	0	159	139	0	0	0	0	0	0	0	0	298
TOTAL DELIVERED	**0**	**0**	**409**	**635**	**0**	**1,317**	**676**	**0**	**0**	**0**	**0**	**0**	**3,037**
Canal Conveyance Losses	208	0	1,192	642	66	1,083	724	0	0	0	0	0	3,915
Delivery Percentage	0%	0%	26%	50%	0%	55%	48%	0%	0%	0%	0%	0%	44%
DISTRIBUTION:													
Buena Vista Utility	0	0	0	0	0	319	0	0	0	0	0	0	319
Buena Vista State Water	0	0	0	0	0	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
Stine Utility	0	0	0	0	0	60	0	0	0	0	0	0	60
Stine State Water	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
Kern Island Utility	0	0	409	635	0	938	676	0	0	0	0	0	2,658
Total Loss	208	0	1,192	642	66	1,083	724	0	0	0	0	0	3,915
TOTAL	**208**	**0**	**1,601**	**1,277**	**66**	**2,400**	**1,400**	**0**	**0**	**0**	**0**	**0**	**6,952**

Total Flow via the Stine Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	43	0	0	0	0	0	0
2	0	0	0	0	0	45	0	0	0	0	0	0
3	0	0	0	0	0	49	0	0	0	0	0	0
4	0	0	0	0	0	49	0	0	0	0	0	0
5	0	0	0	0	0	50	0	0	0	0	0	0
6	0	0	0	0	0	49	0	0	0	0	0	0
7	0	0	0	0	0	50	0	0	0	0	0	0
8	0	0	0	0	0	47	0	0	0	0	0	0
9	0	0	0	0	0	20	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	5	0	0	0	0	0	0	0
31	0	-	0	-	34	-	0	0	-	0	-	0
TOTAL	0	0	0	0	39	402	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	34	50	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	1	13	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	77	797	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 441 MAX., 50 MIN., 0 MEAN, 1 TOTAL AC.FT., 874

KERN DELTA WATER DISTRICT

STINE CANAL SERVICE AREA

Quantities in acre-feet

Year: 2022

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Stine Preserved Entitlement	+									*583*	*1,380*	*22*	*12*	TOTAL
Kern River Entitlement	+	0	0	0	0	6	0	0	0	0	0	0	859	865
Release Gain	+	1,968	0	0	0	0	0	0	0	0	0	22	12	2,002
Release Loss	-	0	0	0	0	0	0	0	0	0	0	0	859	859
Entitlement + or - Releases	**=**	**1,968**	**0**	**0**	**0**	**6**	**0**	**0**	**0**	**0**	**0**	**22**	**12**	**2,008**
Into Storage	-	1,514	0	0	0	7	0	0	0	0	0	22	12	1,555
From Storage	+	12	0	0	0	151	1,159	0	0	0	0	0	0	1,322
Storage Transfer to NKWSD	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier/River Loss	-	466	0	0	0	73	0	0	0	0	0	0	0	539
Transfer in Storage	+ or -	0	0	0	0	0	0	0	0	0	0	0	0	0
Via/For Improvement District No. 4	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head of Canal	**=**	**0**	**0**	**0**	**0**	**77**	**1,159**	**0**	**0**	**0**	**0**	**0**	**0**	**1,236**
From Others	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	**=**	**0**	**0**	**0**	**0**	**77**	**1,159**	**0**	**0**	**0**	**0**	**0**	**0**	**1,236**
Utility Deliveries		0	0	0	0	0	500	0	0	0	0	0	0	500
Contract Deliveries		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	**-**	**0**	**0**	**0**	**0**	**0**	**500**	**0**	**0**	**0**	**0**	**0**	**0**	**500**
Total District Spreading	**-**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Canal Conveyance Losses	=	0	0	0	0	77	659	0	0	0	0	0	0	736
Delivery Percentage		0%	0%	0%	0%	0%	43%	0%	0%	0%	0%	0%	0%	40%

Into Reservoir Storage		1,514	0	0	0	7	0	0	0	0	0	22	12	1,555
Reservoir Evaporation Loss		14	30	42	54	61	10	0	0	0	0	2	2	215
From Reservoir Storage		12	0	0	0	151	1,159	0	0	0	0	0	0	1,322
End of Month Reservoir Storage		**1,500**	**1,470**	**1,428**	**1,374**	**1,169**	**0**	**0**	**0**	**0**	**0**	**20**	**30**	

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**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**	**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 DELTA WATER DISTRICT
FARMERS CANAL SERVICE AREA

Quantities in acre-feet **Year: 2022**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
Farmers Preserved Entitlement									*610*	*268*			*207*	TOTAL
Kern River Entitlement	+	0	0	0	0	0	0	0	0	0	0	0	294	294
Release Gain	+	738	0	0	0	0	0	0	0	0	0	129	207	1,074
Release Loss	-	0	0	0	0	0	0	0	0	0	0	0	294	294
Entitlement + or - Releases	=	**738**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**129**	**207**	**1,074**
Into Storage	-	738	0	0	0	0	0	0	0	0	0	129	207	1,074
From Storage	+	178	0	0	0	30	631	0	0	0	0	0	0	839
Transfer in Storage	+ or -	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage Transfer to NKWSD	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier/River Loss	-	178	0	0	0	0	52	0	0	0	0	0	0	230
Diverted at Head of Canal	=	**0**	**0**	**0**	**0**	**30**	**579**	**0**	**0**	**0**	**0**	**0**	**0**	**609**
Improvement District No. 4 Wells	+	0	0	0	0	0		0	0	0	0	0	0	0
Total Utility Supply	=	**0**	**0**	**0**	**0**	**30**	**579**	**0**	**0**	**0**	**0**	**0**	**0**	**609**
Utility Deliveries		0	0	0	0	30	327	0	0	0	0	0	0	357
Contract Deliveries		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	-	**0**	**0**	**0**	**0**	**30**	**327**	**0**	**0**	**0**	**0**	**0**	**0**	**357**
Total District Spreading	-	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Canal Conveyance Losses	=	0	0	0	0	0	252	0	0	0	0	0	0	252
Delivery Percentage		0%	0%	0%	0%	100%	56%	0%	0%	0%	0%	0%	0%	59%

Into Reservoir Storage		738	0	0	0	0	0	0	0	0	0	129	207	1,074
Reservoir Evaporation Loss		2	17	22	28	30	5	0	0	0	0	8	10	122
From Reservoir Storage		178	0	0	0	30	631	0	0	0	0	0	0	839
End of Month Reservoir Storage		**763**	**746**	**724**	**696**	**636**	**0**	**0**	**0**	**0**	**0**	**121**	**318**	

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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	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**	**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 DELTA WATER DISTRICT

State Aqueduct Exchange Diversion and Storage Recapitulation

(as reported by KDWD)

Quantities in acre-feet

Year: 2022

		Kern Island	Eastside	East of Kern Island	Buena Vista	Stine	Farmers	Pioneer Project	For KCWA	Via A-EWSD	Carrier Loss	Reservoir Loss	Total	Storage Balance **0**
	November	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
2021	January	0	0	0	0	0	0	0	0	0	0	0	0	0
Carry	February	0	0	0	0	0	0	0	0	0	0	0	0	0
Over	March	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**	

2021 SWP to be paid to KDWD on a mutually agreeable year. Total Exchange due: 1,275 af.

														0
	March	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
	May	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
2022	July	0	0	0	0	0	0	0	0	0	0	0	0	0
Contract	August	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
	October	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total												**0**	

														0
2022	November	0	0	0	0	0	0	0	0	0	0	0	0	0
Carry	December	0	0	0	0	0	0	0	0	0	0	0	0	0
Over	**Total**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

BAKERSFIELD

WATER RESOURCES

END OF KERN RIVER CONDUIT 2022

KERN RIVER CHANNEL OPERATIONS
CITY OF BAKERSFIELD

Quantities in acre-feet

Year: 2022

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+	**Kern River at First Point of Measurement**	**10,314**	**10,215**	**18,498**	**22,822**	**24,206**	**26,087**	**26,520**	**16,625**	**8,961**	**6,932**	**7,352**	**8,186**	**186,718**
-	Computed Loss	676	611	676	655	676	655	676	676	655	676	655	676	7,963
-	Beardsley Canal at Head	486	0	149	639	819	5,129	7,975	1,569	523	657	3,266	4,360	25,572
-	Panorama Preserve	0	0	0	0	2	0	0	0	0	0	0	0	2
-	Carrier Canal at Head	8,275	9,604	17,673	21,528	22,709	20,303	17,869	14,380	7,783	5,599	3,431	2,301	151,455
=	**Rocky Point Weir**	**877**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**849**	**1,726**
+	Carrier Waste Gate	0	0	0	0	0	0	0	0	0	0	0	0	0
+	Farmers-Stine-Anderson: to River	3,106	3,279	3,505	3,606	4,352	5,317	5,978	4,774	0	4,653	0	0	38,570
-	Farmers-Stine-Anderson: from River	389	0	0	0	0	0	0	0	0	0	0	0	389
-	Calloway Canal at Head	1,993	2,637	2,861	2,977	3,685	4,502	5,109	4,060	0	3,459	0	0	31,283
-	River Loss: Rocky Point to Calloway Weir	1,206	642	644	629	667	815	869	714	0	1,194	0	849	8,229
=	**Calloway River Weir**	**395**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**395**
+	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 from River	0	0	0	0	0	0	0	0	0	0	0	0	0
-	River Loss: Cally. Weir to River Canal Weir	395	0	0	0	0	0	0	0	0	0	0	0	395
=	**River Canal Weir**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
+	Pioneer Turnout	270	0	23	4	0	0	0	0	0	0	0	0	297
-	The Park at River Walk	12	0	23	4	0	0	0	0	0	0	0	0	39
+	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	0	0
-	Pioneer Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
-	Berrenda Mesa Pipeline Turnout	48	0	0	0	0	0	0	0	0	0	0	0	48
-	River Loss: River Canal to Bellevue Weir	210	0	0	0	0	0	0	0	0	0	0	0	210
=	**Flow at Bellevue Weir**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
-	River Loss: Bellevue Weir to ID#4 Boundary	0	0	0	0	0	0	0	0	0	0	0	0	0
-	River Loss: ID#4 Boundary to 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
+	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**	**0**	**0**	**0**	**0**	**0**	**0**

CARRIER CANAL OPERATIONS
CITY OF BAKERSFIELD

Year: 2022

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ **Carrier Canal at Head**	**8,275**	**9,604**	**17,673**	**21,528**	**22,709**	**20,303**	**17,869**	**14,380**	**7,783**	**5,599**	**3,431**	**2,301**	**151,455**
- Carrier Waste Gate	0	0	0	0	0	0	0	0	0	0	0	0	0
- Canal Refill	397	0	0	0	0	0	0	0	0	0	0	0	397
= **Carrier Reclamation Weir**	**7,878**	**9,604**	**17,673**	**21,528**	**22,709**	**20,303**	**17,869**	**14,380**	**7,783**	**5,599**	**3,431**	**2,301**	**151,058**
+ Storm Drain Inflow	0	0	0	0	0	0	0	0	0	0	0	0	0
- Eastside Canal at Head	0	0	2,247	2,717	3,689	3,622	2,370	1,355	0	0	0	0	16,000
- Kern Island Canal at Head	4,500	6,325	8,815	9,967	13,273	9,398	9,521	8,251	7,783	946	3,350	2,061	84,190
= **Levee No. 1**	**3,378**	**3,279**	**6,611**	**8,844**	**5,747**	**7,283**	**5,978**	**4,774**	**0**	**4,653**	**81**	**240**	**50,868**
- Farmers-Stine-Anderson: to River	3,106	3,279	3,505	3,606	4,352	5,317	5,978	4,774	0	4,653	0	0	38,570
+ Farmers-Stine-Anderson: from River	389	0	0	0	0	0	0	0	0	0	0	0	389
= **Carrier Canal at Oak Street**	**661**	**0**	**3,106**	**5,238**	**1,395**	**1,966**	**0**	**0**	**0**	**0**	**81**	**240**	**12,687**
- Stine Canal at Head	0	0	0	0	77	797	0	0	0	0	0	0	874
- Carrier to Truxtun Lakes	70	0	101	16	0	0	0	0	0	0	0	0	187
+ 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	113	0	883	694	556	219	0	0	0	0	81	240	2,786
+ River Canal from River	0	0	0	0	0	0	0	0	0	0	0	0	0
= **River Canal at Stockdale Highway**	**478**	**0**	**2,122**	**4,528**	**762**	**950**	**0**	**0**	**0**	**0**	**0**	**0**	**8,840**
- Buena Vista Canal at Head	208	0	1,601	1,277	66	950	0	0	0	0	0	0	4,102
- Pioneer Turnout	270	0	23	4	0	0	0	0	0	0	0	0	297
- James Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Pioneer Well Water Production	292	470	545	484	502	290	307	294	276	278	381	552	4,671
= **River Canal at Alternate Second Point**	**292**	**470**	**1,043**	**3,731**	**1,198**	**290**	**307**	**294**	**276**	**278**	**381**	**552**	**9,112**
+ City-Olcese Well Water Production	587	974	1,099	974	910	964	889	877	803	879	918	950	10,824
+ Berrenda Mesa Well Water Production	175	422	639	594	585	547	601	769	642	479	298	297	6,048
+ ID4 Well Water Production	274	229	253	232	279	494	629	593	561	564	499	510	5,117
+ Pioneer Well Water Production	858	1,743	2,432	1,805	1,687	1,462	1,521	1,450	1,443	1,441	1,276	1,394	18,512
+ KWB Well Water Production	780	1,329	1,430	1,344	1,379	1,245	1,254	1,207	1,107	962	1,093	1,174	14,304
+ 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**	**2,966**	**5,167**	**6,896**	**8,680**	**6,038**	**5,002**	**5,201**	**5,190**	**4,832**	**4,603**	**4,465**	**4,877**	**63,917**

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

Quantities in acre-feet

Year: 2022

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	+	379	29	2,501	8,781	11,281	2,065	0	1,095	0	0	2	349	26,482
Release	+	617	0	0	0	0	0	0	0	0	0	1,188	1,144	2,949
ENTITLEMENT + OR - RELEASES	**=**	**996**	**29**	**2,501**	**8,781**	**11,281**	**2,065**	**0**	**1,095**	**0**	**0**	**1,190**	**1,493**	**29,431**
Storage Transfers	+ or -	399	0	0	0	0	0	757	4,242	0	892	1,024	653	7,967
From Reservoir Storage	+	246	115	296	3,824	0	3,542	5,976	4,076	1,485	1,437	107	6	21,110
Into Reservoir Storage	-	864	390	1,544	7,015	6,730	108	618	4,495	0	846	1,040	601	24,251
KDWD Storage Transfer	+ or -	0	476	0	79	0	0	0	0	0	0	0	0	555
TOTAL SUPPLY	**=**	**777**	**230**	**1,253**	**5,669**	**4,551**	**5,499**	**6,115**	**4,918**	**1,485**	**1,483**	**1,281**	**1,551**	**34,812**
County of Kern (Above First Point)		31	32	67	92	105	136	164	157	121	88	60	44	1,097
California Water Service Company		12	12	301	303	536	796	801	787	755	789	683	10	5,785
Olcese Water District		10	13	28	46	77	83	92	106	86	64	33	11	649
North Kern WSD (Extension Water)		0	0	0	4,000	0	0	0	0	0	0	0	0	4,000
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	3,384	4,008	4,550	3,394	0	0	0	0	15,336
Rosedale RBWSD (Miscellaneous)		0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Canal & Irrigating Company		0	0	0	0	387	476	508	474	523	542	424	397	3,731
Calloway Canal Non ID-4 (NW Feeder)		145	118	229	403	0	0	0	0	0	0	0	0	895
Pioneer Project		0	0	0	0	0	0	0	0	0	0	0	0	0
Truxtun Lake		70	0	101	16	0	0	0	0	0	0	0	0	187
The Park at River Walk		12	0	23	4	0	0	0	0	0	0	0	0	39
Aera Park		0	0	0	0	0	0	0	0	0	0	0	0	0
Wilson Ditch		48	0	0	0	0	0	0	0	0	0	0	0	48
Arvin -Edison		0	0	0	0	0	0	0	0	0	0	0	0	0
Panorama Preserve		0	0	0	0	2	0	0	0	0	0	0	0	2
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		449	55	504	805	60	0	0	0	0	0	81	1,089	3,043
TOTAL DIVERTED	**=**	**777**	**230**	**1,253**	**5,669**	**4,551**	**5,499**	**6,115**	**4,918**	**1,485**	**1,483**	**1,281**	**1,551**	**34,812**
Into Reservoir Storage		864	390	1,544	7,015	6,730	108	618	4,495	0	846	1,040	601	24,251
Reservoir Evaporation Loss		173	150	216	329	595	849	889	1,019	742	465	182	82	5,691
From Reservoir Storage		246	115	296	3,824	0	3,542	5,976	4,076	1,485	1,437	107	6	21,110
End of Month Reservoir Storage		**4,836**	**4,961**	**5,993**	**8,855**	**14,990**	**10,707**	**4,460**	**3,860**	**1,633**	**577**	**1,328**	**1,841**	

CAWELO WATER DISTRICT OPERATIONS

Quantities in acre-feet

Year: 2022

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+	**Cawelo WD via Pump Station "B"**		**0**	**0**	**0**	**234**	**278**	**298**	**513**	**307**	**298**	**111**	**0**	**0**	**2,039**
	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	4	0	0	4	0	0	4	0	0	12
	Lerdo Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
+	Total Loss	=	0	0	0	4	0	0	4	0	0	4	0	0	12
+	Via North Kern WSD		0	0	0	0	0	0	0	0	0	0	0	0	0
=	**Total Diverted for Cawelo WD**		**0**	**0**	**0**	**238**	**278**	**298**	**517**	**307**	**298**	**115**	**0**	**0**	**2,051**
	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	278	298	307	307	298	0	0	0	1,488
+	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	238	0	0	210	0	0	115	0	0	563
+	North Kern Purchase		0	0	0	0	0	0	0	0	0	0	0	0	0
+	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**	**238**	**278**	**298**	**517**	**307**	**298**	**115**	**0**	**0**	**2,051**

Cawelo Water District Total Diverted via Beardsley-Lerdo Canal System

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	5	5	5	5	0	0	0
2	0	0	0	60	0	5	5	5	5	0	0	0
3	0	0	0	60	0	5	5	5	5	29	0	0
4	0	0	0	0	5	5	5	5	5	29	0	0
5	0	0	0	0	5	5	5	5	5	0	0	0
6	0	0	0	0	5	5	5	5	5	0	0	0
7	0	0	0	0	5	5	5	5	5	0	0	0
8	0	0	0	0	5	5	5	5	5	0	0	0
9	0	0	0	0	5	5	5	5	5	0	0	0
10	0	0	0	0	5	5	5	5	5	0	0	0
11	0	0	0	0	5	5	5	5	5	0	0	0
12	0	0	0	0	5	5	5	5	5	0	0	0
13	0	0	0	0	5	5	5	5	5	0	0	0
14	0	0	0	0	5	5	5	5	5	0	0	0
15	0	0	0	0	5	5	5	5	5	0	0	0
16	0	0	0	0	5	5	58	5	5	0	0	0
17	0	0	0	0	5	5	58	5	5	0	0	0
18	0	0	0	0	5	5	5	5	5	0	0	0
19	0	0	0	0	5	5	5	5	5	0	0	0
20	0	0	0	0	5	5	5	5	5	0	0	0
21	0	0	0	0	5	5	5	5	5	0	0	0
22	0	0	0	0	5	5	5	5	5	0	0	0
23	0	0	0	0	5	5	5	5	5	0	0	0
24	0	0	0	0	5	5	5	5	5	0	0	0
25	0	0	0	0	5	5	5	5	5	0	0	0
26	0	0	0	0	5	5	5	5	5	0	0	0
27	0	0	0	0	5	5	5	5	5	0	0	0
28	0	0	0	0	5	5	5	5	5	0	0	0
29	0	-	0	0	5	5	5	5	5	0	0	0
30	0	-	0	0	5	5	5	5	5	0	0	0
31	0	-	0	-	5	-	5	5	-	0	-	0
TOTAL	0	0	0	120	140	150	261	155	150	58	0	0
MAXIMUM DAY	0	0	0	60	5	5	58	5	5	29	0	0
MINIMUM DAY	0	0	0	0	0	5	5	5	5	0	0	0
MEAN	0	0	0	4	5	5	8	5	5	2	0	0
TOTAL AC. FT.	0	0	0	238	278	298	517	307	298	115	0	0

WHOLE YEAR:- TOTAL, 1,034 MAX., 60 MIN., 0 MEAN, 3 TOTAL AC.FT., 2,051

Buena Vista WSD Diverted for Cawelo Water District

DISCHARGE IN CUBIC FEET PER SECOND **(Kern River/SWP Exchange)** **Year: 2022**

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	60	0	0	0	0	0	0	0	0
3	0	0	0	60	0	0	0	0	0	29	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	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	53	0	0	0	0	0
17	0	0	0	0	0	0	53	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	-	0
TOTAL	0	0	0	120	0	0	106	0	0	58	0	0
MAXIMUM DAY	0	0	0	60	0	0	53	0	0	29	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	4	0	0	3	0	0	2	0	0
TOTAL AC. FT.	0	0	0	238	0	0	210	0	0	115	0	0

WHOLE YEAR:- TOTAL, 284 MAX., 60 MIN., 0 MEAN, 1 TOTAL AC.FT., 563

RECAPITULATION OF CITY OF BAKERSFIELD DIVERSIONS FOR KERN-TULARE WATER DISTRICT

Quantities in acre-feet

Year: 2022

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+	2022 Extension Term Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
+	Miscellaneous Quantity Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
=	**Total Diverted**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	via Calloway Canal +	0	0	0	0	0	0	0	0	0	0	0	0	0
	River Transportation Loss/Spreading +	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
	via Kern Island Canal +	0	0	0	0	0	0	0	0	0	0	0	0	0
	via Arvin-Edison Turnout +	0	0	0	0	0	0	0	0	0	0	0	0	0
	via North Kern Water Storage District +	0	0	0	0	0	0	0	0	0	0	0	0	0
	Isabella Reservoir Evaporation Loss +	0	0	0	0	0	0	0	0	0	0	0	0	0
-	**Total Diverted to I.D. No. 4 =**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	via Rosedale Rio Bravo WSD +	0	0	0	0	0	0	0	0	0	0	0	0	0
	Channel Transportation Loss +	0	0	0	0	0	0	0	0	0	0	0	0	0
-	**Total Diverted to Rosedale-RBWSD =**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
=	**Via North Kern Water Storage District**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

IMPROVEMENT DISTRICT NO. 4
KERN RIVER SUPPLY AND DIVERSION RECAP

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

YEAR: 2022

Quantities in acre-feet

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	Treatment Plant via Calloway Canal	+	1871	2458	2525	2630	3479	4074	4799	3737	0	3160	0	0	28733
	Calloway Canal Operational Losses	+	103	111	124	119	123	119	122	99	0	111	0	0	1031
	Calloway Canal Below "99"	+	19	68	212	228	83	309	188	224	0	188	0	0	1519
	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	=	1993	2637	2861	2977	3685	4502	5109	4060	0	3459	0	0	31283
	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	+	1033	642	644	629	667	815	869	714	0	1194	0	0	7207
	River Spreading Below Calloway Weir	+	0	0	0	0	0	0	0	0	0	0	0	0	0
+	Sub-total River Loss/Spreading	=	1033	642	644	629	667	815	869	714	0	1194	0	0	7207
+	The Park at River Walk		0	0	0	0	0	0	0	0	0	0	0	0	0
=	**Improvement District #4 Total Diverted**		**3026**	**3279**	**3505**	**3606**	**4352**	**5317**	**5978**	**4774**	**0**	**4653**	**0**	**0**	**38490**
+	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 /RRBWSD Basic Contract	+	0	0	0	0	3384	4008	4550	3394	0	0	0	0	15336
	City (Non-Improvement District #4 Water)	+	145	118	229	403	0	0	0	0	0	0	0	0	895
	City Transportation Loss Contribution	+	79	55	107	149	0	0	0	0	0	0	0	0	390
+	Sub-total City of Bakersfield	=	224	173	336	552	3384	4008	4550	3394	0	0	0	0	16621
+	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		0	0	0	0	0	0	0	0	0	0	0	0	0
+	KDWD/MET Exchange		2802	3106	3169	3054	968	1309	1388	1380	0	4653	0	0	21829
+	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	40	0	0	0	0	0	40
+	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**		**3026**	**3279**	**3505**	**3606**	**4352**	**5317**	**5978**	**4774**	**0**	**4653**	**0**	**0**	**38490**

Total Flow via the Rosedale Channel at Head (All Sources)

DISCHARGE IN CUBIC FEET PER SECOND (Diverted from Kern River Channel) Year: 2022

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: 2022

		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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
- City Contract Water		0	0	0	0	0	0	0	0	0	0	0	0	0
= Friant 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
via Improvement District #4	+	0	0	0	0	3,384	4,008	4,550	3,394	0	0	0	0	15,336
Total Diverted	**=**	**0**	**0**	**0**	**0**	**3,384**	**4,008**	**4,550**	**3,394**	**0**	**0**	**0**	**0**	**15,336**

City of Bakersfield Basic Contract	+	0	0	0	0	3,384	4,008	4,550	3,394	0	0	0	0	15,336
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
Friant 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**	**0**	**0**	**0**	**3,384**	**4,008**	**4,550**	**3,394**	**0**	**0**	**0**	**0**	**15,336**

ROSEDALE RIO BRAVO WATER STORAGE DISTRICT

Hydrographic and Accounting Report by City of Bakersfield

Quantities in acre-feet

Year: 2022

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	(a)	(b)	(c)	(d)	(e)		Basic Contract (f)		Miscellaneous (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 (1)	0	0	0	0	0	3,384	3,384	0	0	0	0	0	0	0	0	0
June (2)	0	0	0	0	0	4,008	616	3,392	0	0	0	0	0	0	0	0
July (3)	0	0	0	0	0	4,550	1,942	2,608	0	0	0	0	0	0	0	0
August(4)	0	0	0	0	0	3,394	2,058	1,336	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	15,336	8,000	7,336	0	0	0	0	0	0	0	0

7.731	= Current Escalator =	7.731	0	0	2021	
$0.00	= Totals =	$56,714.62	0	0	2020	*Preceding Four*
	(per 1961 Agreement)		0	0	2019	*Years*
			0	0	2018	

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. includes 10,000 acft delivery for 2021 and 5,336 acft for 2022
(g) Subject to annual escalation per 1976 agreement (62.8 = 1-82 base index).

(1) 3,384 acft 2021 Basic Contract no charge
(2) 616 acft 2021 Basic Contract no charge + 3,392 acft 2021 Basic Contract at $7.731
(3) 2,608 acft 2021 Basic Contract at $7.731+ 1,942 acft 2022 Basic Contract no charge
(4) 2,058 acft 2022 Basic Contract no charge + 1,336 acft 2022 Basic Contract at $7.731

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 CONTRACT DELIVERED	KERN RIVER BASIC CONTRACT OBLIGATION	CARRY FORWARD OVER (UNDER)	END of YEAR CONTRACT BALANCE (2) (3) 60,000
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)
2022	15,336	0	15,336	15,336	10,000	5,336	(4,664)

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

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

(3) 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

Quantities in acre-feet

Year	(A) TOTAL CITY MISCELLANEOUS WATER	(B) RRBWSD 1/3 SHARE OF MISC.	(C) MISC. WATER DELIVERED TO RRBWSD (1)	(D) OVER (UNDER) 1/3 SHARE	(E) END OF YEAR CUMULATIVE MISC. WATER BALANCE
					0
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: 2022

		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	42	42
Release	+ or -	0	0	0	0	0	0	0	0	0	0	0	769	769
ENTITLEMENT + OR - RELEASE	**=**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**811**	**811**
From City of Bakersfield	+	0	0	0	0	387	476	508	474	523	542	424	397	3,731
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	799	799
From Isabella Storage	+	0	0	149	401	156	0	0	0	0	0	0	0	706
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**	**0**	**149**	**401**	**543**	**476**	**508**	**474**	**523**	**542**	**424**	**409**	**4,449**
Irrigation Deliveries	-	0	0	0	0	0	0	0	0	0	0	0	0	0
North Garden Treatment Plant	-	0	0	109	341	482	420	448	411	464	480	371	346	3,872
NKWSD at Seventh Standard Line	-	0	0	0	0	0	0	0	0	0	0	0	12	12
Spreading Deliveries	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	-	0	0	17	0	0	0	0	6	0	0	0	0	23
Canal Loss	=	0	0	23	60	61	56	60	57	59	62	53	51	542
Irrigation Delivery Percentage		0%	0%	85%	85%	89%	88%	88%	87%	89%	89%	88%	88%	87%

Into Isabella Storage		0	0	0	0	0	0	0	0	0	0	0	799	799
Isabella Evaporation Loss		21	21	20	14	0	0	0	0	0	0	0	0	76
From Isabella Storage		0	0	149	401	156	0	0	0	0	0	0	0	706
Transfer in Storage		0	0	0	0	0	0	0	0	0	0	0	0	0
End of Month Isabella Storage		**761**	**740**	**571**	**156**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**799**	

SOUTH FORK DIVERSION RIGHT SUMMARY

Quantities in acre-feet

Year: 2022

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	+	79	0	0	0	0	0	0	0	0	0	0	177	256
Release	+ or -	320	0	0	0	0	0	0	0	0	0	624	470	1,414
Entitlement + or - Releases	**=**	**399**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**624**	**647**	**1,670**
KDWD Transfer	+	0	250	0	42	0	0	0	0	0	0	0	0	292
Into Isabella Storage	-	399	250	0	0	0	0	0	0	0	0	604	0	1,253
From Isabella Storage	+	0	0	0	0	0	0	0	0	0	892	4	0	896
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	399	250	0	42	0	0	0	0	0	0	0	604	0	1,253
From Isabella Storage	0	0	0	0	0	0	0	0	0	892	4	0	896	
Transfer in Storage	399	0	0	0	0	0	0	0	0	892	24	647	1,962	
End of Month Isabella Storage	**600**	**850**	**850**	**892**	**892**	**892**	**892**	**892**	**892**	**0**	**600**	**600**		

CITY OF BAKERSFIELD/IMPROVEMENT DISTRICT NO.4

TRUXTUN LAKE EXCHANGE

Status as of December 31, 2022

RECAPITULATION IN ACRE-FEET

Year: 2022

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
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
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 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 2021	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
January 2022	0	0	13
February 2022	0	0	13
March 2022	0	0	13
April 2022	0	0	13
May 2022	0	0	13
June 2022	0	0	13
July 2022	0	0	13
August 2022	0	0	13
September 2022	0	0	13
October 2022	0	0	13
November 2022	0	0	13
December 2022	0	0	13
EXCHANGE TOTALS	0	1,312	

NOTES:

Truxtun Lake Recharge

DISCHARGE IN CUBIC FEET PER SECOND **(All Sources, All Entities, All Exchanges)** **Year: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	19	0	0	8	0	0	0	0	0	0	0	0
2	16	0	0	8	0	0	0	0	0	0	0	0
3	0	0	0	8	0	0	0	0	0	0	0	0
4	0	0	0	15	0	0	0	0	0	0	0	0
5	0	0	0	15	0	0	0	0	0	0	0	0
6	0	0	0	15	0	0	0	0	0	0	0	0
7	0	0	0	15	0	0	0	0	0	0	0	0
8	0	0	0	13	0	0	0	0	0	0	0	0
9	0	0	0	10	0	0	0	0	0	0	0	0
10	0	0	0	10	0	0	0	0	0	0	0	0
11	0	0	0	14	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	11	0	0	0	0	0	0	0	0	0
27	0	0	8	0	0	0	0	0	0	0	0	0
28	0	0	8	0	0	0	0	0	0	0	0	0
29	0	-	8	0	0	0	0	0	0	0	0	0
30	0	-	8	0	0	0	0	0	0	0	0	0
31	0	-	8	-	0	-	0	0	-	0	-	0
TOTAL	35	0	51	131	0	0	0	0	0	0	0	0
MAXIMUM DAY	19	0	11	15	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	2	4	0	0	0	0	0	0	0	0
TOTAL AC. FT.	70	0	101	260	0	0	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 217 MAX., 19 MIN., 0 MEAN, 1 TOTAL AC.FT., 431

City of Bakersfield Diverted to California Water Service Company

DISCHARGE IN CUBIC FEET PER SECOND — Bakersfield Northeast Water Treatment Plant — Year: 2022

(All Sources, All Entities, All Exchanges)

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	13	12	13	13	12	12	12	13	0
2	0	0	0	13	12	14	13	12	13	12	13	0
3	0	0	0	13	13	15	13	12	13	13	12	0
4	0	0	0	13	13	15	13	12	13	13	11	0
5	0	0	0	13	13	15	13	9	12	13	13	0
6	0	0	0	13	13	13	13	12	13	12	13	0
7	0	0	0	13	12	13	13	13	13	13	12	0
8	0	0	0	13	12	13	13	13	13	12	12	0
9	0	0	0	13	12	13	13	11	12	13	13	0
10	0	0	0	13	13	13	12	13	12	13	13	0
11	0	0	0	13	13	13	12	13	12	13	13	0
12	0	0	0	13	13	13	12	13	13	13	12	0
13	0	0	0	13	13	13	12	12	13	12	12	0
14	0	0	0	13	13	13	13	13	13	12	13	0
15	0	0	0	13	13	13	13	12	13	12	13	0
16	0	0	0	12	13	13	13	13	6	13	13	0
17	0	0	0	12	13	13	13	13	8	12	13	0
18	0	0	0	12	13	12	13	13	13	13	13	0
19	0	0	2	12	12	12	13	13	13	12	13	0
20	0	0	0	13	13	13	12	13	13	12	13	0
21	0	0	13	13	13	13	12	12	13	13	13	0
22	0	0	13	13	13	13	12	13	13	13	13	0
23	0	0	13	13	13	13	12	13	13	12	12	0
24	0	0	13	13	13	13	12	13	13	12	12	0
25	0	0	13	13	13	12	12	13	13	13	12	0
26	0	0	13	13	12	12	12	12	13	13	12	0
27	0	0	13	13	13	13	13	13	13	12	11	0
28	0	0	13	13	13	13	13	13	13	13	0	0
29	0	-	13	13	13	13	13	13	13	13	0	0
30	0	-	13	13	13	13	13	13	12	13	0	0
31	0	-	13	-	13	-	13	13	-	13	-	0
TOTAL	0	0	145	386	396	393	392	388	372	390	338	0
MAXIMUM DAY	0	0	13	13	13	15	13	13	13	13	13	0
MINIMUM DAY	0	0	0	12	12	12	12	9	6	12	0	0
MEAN	0	0	5	13	13	13	13	13	12	13	11	0
TOTAL AC. FT.	0	0	288	766	786	780	778	769	737	774	671	0

WHOLE YEAR:- TOTAL, 3,200 MAX., 15 MIN., 0 MEAN, 9 TOTAL AC.FT., 6,349

City of Bakersfield Diverted to California Water Service Company

DISCHARGE IN CUBIC FEET PER SECOND — Kernville Water System — Year: 2022

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

WHOLE YEAR:- TOTAL, 89 MAX., 1 MIN., 0 MEAN, 0 TOTAL AC.FT., 174

City of Bakersfield Diverted to California Water Service Company

DISCHARGE IN CUBIC FEET PER SECOND — Bakersfield Northwest Water Treatment Plant — Year: 2022

(All Sources, All Entities, All Exchanges)

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	6	8	8	8	7	8	8	8	7
2	0	0	0	6	7	6	8	8	8	8	8	6
3	0	0	0	6	8	6	8	8	8	8	8	7
4	0	0	0	6	8	6	8	4	8	8	7	7
5	0	0	0	7	8	6	8	0	8	8	8	7
6	0	0	0	6	8	8	8	7	8	8	0	6
7	0	0	0	6	8	8	8	8	7	8	0	7
8	0	0	0	6	8	8	8	8	8	8	0	7
9	0	0	0	6	8	8	7	8	7	7	6	7
10	0	0	0	7	8	8	8	8	7	8	7	7
11	0	0	0	6	8	8	8	8	8	8	6	6
12	0	0	0	6	8	8	7	8	8	8	7	7
13	0	0	0	6	8	7	8	8	8	7	6	7
14	0	0	0	6	8	8	8	8	8	8	7	7
15	0	0	0	6	7	8	8	2	8	8	6	7
16	0	0	0	6	8	7	7	0	8	8	7	6
17	0	0	0	6	8	0	7	0	8	8	7	7
18	0	0	0	6	8	8	8	7	8	8	7	7
19	0	0	0	6	8	8	8	7	7	8	7	6
20	0	0	0	6	7	7	8	8	7	7	7	7
21	0	0	0	6	8	0	1	7	8	7	7	6
22	0	0	1	6	8	8	0	8	8	8	7	6
23	0	0	6	6	8	8	6	8	8	8	7	7
24	0	0	6	6	8	8	8	8	8	7	7	7
25	0	0	6	6	7	8	8	8	8	8	6	7
26	0	0	6	8	8	8	8	8	8	8	7	6
27	0	0	6	8	7	8	7	7	8	8	7	0
28	0	0	6	8	8	8	8	8	8	7	7	0
29	0	-	6	8	8	8	8	8	8	8	6	0
30	0	-	6	8	8	7	8	8	7	8	7	0
31	0	-	6	-	8	-	8	7	-	8	-	0
TOTAL	0	0	55	192	243	212	226	207	234	242	187	174
MAXIMUM DAY	0	0	6	8	8	8	8	8	8	8	8	7
MINIMUM DAY	0	0	0	6	7	0	0	0	7	7	0	0
MEAN	0	0	2	6	8	7	7	7	8	8	6	6
TOTAL AC. FT.	0	0	109	381	482	420	448	411	464	480	371	346

WHOLE YEAR:- TOTAL, 1,972 MAX., 8 MIN., 0 MEAN, 5 TOTAL AC.FT., 3,912

City of Bakersfield Diverted to Olcese Water District

DISCHARGE IN CUBIC FEET PER SECOND (Pursuant to Agreement No. 99-05 W.B. dated June 30, 1999) Year: 2022

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1	1	1	0	5	3	0	0	0	0	2	1
2	0	0	1	0	1	2	0	0	1	0	0	0
3	0	1	1	0	2	0	0	2	0	5	0	0
4	0	0	0	5	3	0	0	1	0	0	0	1
5	0	0	0	0	0	0	0	0	6	2	2	0
6	0	0	1	0	0	6	8	2	2	0	0	1
7	0	0	1	2	1	1	0	3	1	0	0	0
8	0	1	0	0	0	0	2	0	2	0	2	0
9	0	0	0	0	2	0	0	7	0	0	0	0
10	1	0	0	4	0	3	0	1	0	4	0	0
11	0	0	1	0	0	0	5	1	0	0	2	0
12	0	0	0	0	0	0	0	0	4	0	0	0
13	0	0	1	0	2	7	1	4	2	4	0	0
14	0	1	0	2	3	1	2	0	0	0	0	0
15	0	0	0	0	0	2	2	6	2	0	0	1
16	0	0	1	0	0	0	0	3	1	0	2	0
17	0	0	0	1	0	0	0	2	0	6	0	0
18	0	0	1	2	4	0	3	0	0	0	0	0
19	0	0	0	2	0	0	2	1	5	0	0	0
20	1	1	0	2	0	6	2	2	2	2	2	1
21	0	0	0	0	0	0	2	0	3	0	0	0
22	1	0	1	0	0	0	1	6	1	0	0	0
23	0	1	0	0	7	1	0	0	3	0	0	0
24	0	0	1	0	0	2	0	0	0	3	0	0
25	0	1	0	0	2	0	4	0	0	3	3	0
26	0	0	0	0	0	0	1	3	2	0	0	1
27	0	0	1	2	4	6	3	0	2	0	0	0
28	0	0	0	1	0	2	1	3	2	0	2	0
29	0	-	1	0	0	0	1	0	0	0	0	0
30	1	-	0	0	2	0	0	6	2	0	0	0
31	0	-	1	-	1	-	6	0	-	3	-	0
TOTAL	5	7	14	23	39	42	46	53	43	32	17	6
MAXIMUM DAY	1	1	1	5	7	7	8	7	6	6	3	1
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	1	1	1	1	2	1	1	1	0
TOTAL AC. FT.	10	13	28	46	77	83	92	106	86	64	33	11

WHOLE YEAR:- TOTAL, 327 MAX., 8 MIN., 0 MEAN, 1 TOTAL AC.FT., 649

Total Flow via the Panorama Preserve Headgate

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2022**

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	1	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	1	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	1	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	2	0	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 1 MAX., 1 MIN., 0 MEAN, 0 TOTAL AC.FT., 2

Total Water Spread in City of Bakersfield's 2800 Acre Recharge Facility

DISCHARGE IN CUBIC FEET PER SECOND (All Sources, All Entities) **Year: 2022**

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: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	9	0	0	0	0	0	0	0	0	0	0	0
2	9	0	0	0	0	0	0	0	0	0	0	0
3	6	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	24	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	9	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	1	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	48	0	0	0	0	0	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 24 MAX., 9 MIN., 0 MEAN, 0 TOTAL AC.FT., 48

Park at Riverwalk Recharge

DISCHARGE IN CUBIC FEET PER SECOND **(All Sources, All Entities)** **Year: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2	0	0	2	0	0	0	0	0	0	0	0
2	2	0	0	0	0	0	0	0	0	0	0	0
3	2	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	2	0	0	0	0	0	0	0	0	0
27	0	0	2	0	0	0	0	0	0	0	0	0
28	0	0	2	0	0	0	0	0	0	0	0	0
29	0	-	2	0	0	0	0	0	0	0	0	0
30	0	-	2	0	0	0	0	0	0	0	0	0
31	0	-	2	-	0	-	0	0	-	0	-	0
TOTAL	6	0	12	2	0	0	0	0	0	0	0	0
MAXIMUM DAY	2	0	2	2	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.	12	0	23	4	0	0	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 20 MAX., 2 MIN., 0 MEAN, 0 TOTAL AC.FT., 39

Aera Park Recharge

DISCHARGE IN CUBIC FEET PER SECOND (All Sources, All Entities) **Year: 2022**

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 Arvin-Edison Turnout

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2022**

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 Pioneer Canal at Head

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2022**

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 #1 to Kern River Channel

DISCHARGE IN CUBIC FEET PER SECOND (As reported by Kern County Water Agency) **Year: 2022**

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

DISCHARGE IN CUBIC FEET PER SECOND (As reported by Kern County Water Agency) **Year: 2022**

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 Kern River Channel

DISCHARGE IN CUBIC FEET PER SECOND **(As reported by Kern County Water Agency)** **Year: 2022**

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

DISCHARGE IN CUBIC FEET PER SECOND (As reported by Kern County Water Agency) **Year: 2022**

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 #4 to Kern River Channel

DISCHARGE IN CUBIC FEET PER SECOND (As reported by Kern County Water Agency) Year: 2022

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

BEARDSLEY CANAL 2022

NORTH KERN WATER STORAGE DISTRICT

Quantities in acre-feet

Year: 2022

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWSD River Entitlement	+	36	0	0	42	278	57	0	28	0	0	0	1,717	2,158
Release	+/-	4,787	0	0	0	0	0	0	0	0	0	4,874	13,171	22,832
ENTITLEMENT + OR - RELEASE	**=**	**4,823**	**0**	**0**	**42**	**278**	**57**	**0**	**28**	**0**	**0**	**4,874**	**14,888**	**24,990**
From KRC & Irr. Company	+	0	0	0	0	0	0	0	0	0	0	0	12	12
From City of Bakersfield (Extension Water)	+	0	0	0	4,000	0	0	0	0	0	0	0	0	4,000
From City of Bakersfield (Borrow/Payback)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From Isabella Reservoir Storage	+	97	0	0	0	230	4,596	7,257	1,067	0	0	301	105	13,653
From Kern Delta WD	+	0	0	0	0	1,000	0	0	0	0	0	0	0	1,000
Into Isabella Reservoir Storage	-	4,434	0	0	4,042	1,232	0	0	0	0	0	2,333	11,046	23,087
Other	+ or -	0	0	0	0	0	0	0	0	0	0	0	4	4
TOTAL DIVERTED FROM RIVER	**=**	**486**	**0**	**0**	**0**	**276**	**4,653**	**7,257**	**1,095**	**0**	**0**	**2,842**	**3,963**	**20,572**
Loss to Seventh Standard Line	-	6	0	0	0	12	60	61	16	0	0	32	62	249
NKWSD Deep Well Production	+	1,017	8,735	11,802	15,195	17,169	15,608	15,955	14,019	12,250	12,049	1,751	0	125,550
Private Well Production	+	0	407	0	1,617	4,019	4,493	4,401	5,425	4,784	2,709	0	0	27,855
Other Produced Water	+	12	764	833	813	843	807	846	901	851	595	12	12	7,289
SSJMUD via Friant to NKWSD	+	8,705	0	0	0	0	0	0	0	0	0	0	0	8,705
SWID to NKWSD	+	0	0	8	0	0	28	54	0	0	0	0	0	90
Poso Creek	+	0	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	0
TOTAL DISTRICT SUPPLY	**=**	**10,214**	**9,906**	**12,643**	**17,625**	**22,295**	**25,529**	**28,452**	**21,424**	**17,885**	**15,353**	**4,573**	**3,913**	**189,812**
Class 1 Irrigation Deliveries	+	125	3,751	5,412	7,467	9,882	14,253	14,801	10,013	8,629	8,333	1,200	615	84,481
Class 2 Irrigation Deliveries	+	136	2,506	2,586	3,669	4,339	5,236	6,228	4,516	3,501	2,747	547	278	36,289
NKWSD to FK to KTWD	+	0	0	0	0	494	833	799	804	779	371	0	0	4,080
NKWSD to SWID	+	0	49	0	0	0	0	0	0	0	49	0	0	98
NKWSD to Wonderful to SWID	+	0	0	0	0	166	231	231	297	248	228	254	0	1,655
NKWSD to FK to DEID	+	0	0	1,454	962	777	207	177	188	166	162	0	0	4,093
NKWSD to FK to SSJMUD	+	0	0	100	461	115	206	177	187	167	0	0	0	1,413
RRID	+	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD to CWD	+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL IRRIGATION USE	**=**	**261**	**6,306**	**9,552**	**12,559**	**15,773**	**20,966**	**22,413**	**16,005**	**13,490**	**11,890**	**2,001**	**893**	**132,109**
District Spreading Ponds (Kern)	+	399	0	0	0	0	0	0	0	0	0	710	1,224	2,333
District Spreading Ponds (Produced Water)	+	787	0	0	0	0	0	0	0	0	192	730	849	2,558
District Spreading Ponds (Friant)	+	7,880	0	0	0	0	0	0	0	0	0	0	0	7,880
District Spreading Ponds (CVC)	+	0	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	0
TOTAL DISTRICT SPREADING	**=**	**9,066**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**192**	**1,440**	**2,073**	**12,771**
TOTAL DISTRICT USE		**9,327**	**6,306**	**9,552**	**12,559**	**15,773**	**20,966**	**22,413**	**16,005**	**13,490**	**12,082**	**3,441**	**2,966**	**144,880**
Total NKWSD Canal Loss		887	3,600	3,091	5,066	6,522	4,563	6,039	5,419	4,395	3,271	1,132	947	44,932
Into Reservoir Storage		4,434	0	0	4,042	1,232	0	0	0	0	0	2,333	11,046	23,087
Reservoir Evaporation Loss		232	256	329	468	689	699	518	56	45	56	157	180	3,685
From Reservoir Storage		97	0	0	0	230	4,596	7,257	1,067	0	0	301	105	13,653
END OF MONTH RESERVOIR STORAGE		**11,140**	**10,884**	**10,555**	**14,129**	**14,442**	**9,147**	**1,372**	**249**	**204**	**148**	**2,023**	**12,784**	

Total Flow via the Beardsley Canal

DISCHARGE IN CUBIC FEET PER SECOND **(At Head of Lined Section)** **Year: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	129	0	0	7	9	46	126	130	9	9	9	51
2	98	0	0	67	8	66	133	104	9	9	9	28
3	18	0	0	67	9	72	145	66	9	38	9	45
4	0	0	0	7	9	69	145	66	9	38	8	74
5	0	0	0	8	9	125	146	69	9	9	9	81
6	0	0	0	7	9	129	112	69	9	9	0	40
7	0	0	0	7	9	123	88	70	8	9	0	31
8	0	0	0	7	9	122	89	39	9	9	0	30
9	0	0	0	7	9	108	107	9	8	8	7	49
10	0	0	0	8	9	91	133	9	8	9	8	91
11	0	0	0	7	9	97	134	9	9	9	7	129
12	0	0	0	3	9	102	102	9	9	9	8	123
13	0	0	0	5	9	84	86	9	9	8	7	95
14	0	0	0	5	9	48	105	9	9	9	8	84
15	0	0	0	4	8	47	114	3	9	9	14	75
16	0	0	0	5	9	69	187	0	9	9	94	73
17	0	0	0	6	9	89	183	0	9	9	110	73
18	0	0	0	6	9	90	146	8	9	9	103	75
19	0	0	0	7	9	91	129	8	8	9	111	72
20	0	0	0	7	8	91	132	9	8	8	111	71
21	0	0	4	7	9	68	127	8	9	8	107	71
22	0	0	8	7	9	45	125	9	9	9	105	70
23	0	0	7	7	9	69	124	9	9	9	100	72
24	0	0	7	6	9	91	129	9	9	8	109	73
25	0	0	7	5	8	92	128	9	9	9	100	74
26	0	0	7	8	13	89	129	9	9	9	100	75
27	0	0	7	9	30	90	128	8	9	9	98	69
28	0	0	7	8	22	90	136	9	9	8	99	73
29	0	-	7	9	31	87	167	9	9	9	99	75
30	0	-	7	9	49	106	155	9	8	9	98	82
31	0	-	7	-	47	-	131	8	-	9	-	74
TOTAL	245	0	75	322	413	2,586	4,021	791	264	331	1,647	2,198
MAXIMUM DAY	129	0	8	67	49	129	187	130	9	38	111	129
MINIMUM DAY	0	0	0	3	8	45	86	0	8	8	0	28
MEAN	8	0	2	11	13	86	130	26	9	11	55	71
TOTAL AC. FT.	486	0	149	639	819	5,129	7,975	1,569	523	657	3,266	4,360

WHOLE YEAR:- TOTAL, 12,893 MAX., 187 MIN., 0 MEAN, 35 TOTAL AC.FT., 25,572

DISCHARGE IN CUBIC FEET PER SECOND

Total Diverted via
Cross Valley Canal Conduit "A"

Year: 2022

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 Mutual Water Company Wells

Year: 2022

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	5	5	5	5	0	0	0
2	0	0	0	0	0	5	5	5	5	0	0	0
3	0	0	0	0	0	5	5	5	5	0	0	0
4	0	0	0	0	5	5	5	5	5	0	0	0
5	0	0	0	0	5	5	5	5	5	0	0	0
6	0	0	0	0	5	5	5	5	5	0	0	0
7	0	0	0	0	5	5	5	5	5	0	0	0
8	0	0	0	0	5	5	5	5	5	0	0	0
9	0	0	0	0	5	5	5	5	5	0	0	0
10	0	0	0	0	5	5	5	5	5	0	0	0
11	0	0	0	0	5	5	5	5	5	0	0	0
12	0	0	0	0	5	5	5	5	5	0	0	0
13	0	0	0	0	5	5	5	5	5	0	0	0
14	0	0	0	0	5	5	5	5	5	0	0	0
15	0	0	0	0	5	5	5	5	5	0	0	0
16	0	0	0	0	5	5	5	5	5	0	0	0
17	0	0	0	0	5	5	5	5	5	0	0	0
18	0	0	0	0	5	5	5	5	5	0	0	0
19	0	0	0	0	5	5	5	5	5	0	0	0
20	0	0	0	0	5	5	5	5	5	0	0	0
21	0	0	0	0	5	5	5	5	5	0	0	0
22	0	0	0	0	5	5	5	5	5	0	0	0
23	0	0	0	0	5	5	5	5	5	0	0	0
24	0	0	0	0	5	5	5	5	5	0	0	0
25	0	0	0	0	5	5	5	5	5	0	0	0
26	0	0	0	0	5	5	5	5	5	0	0	0
27	0	0	0	0	5	5	5	5	5	0	0	0
28	0	0	0	0	5	5	5	5	5	0	0	0
29	0	-	0	0	5	5	5	5	5	0	0	0
30	0	-	0	0	5	5	5	5	5	0	0	0
31	0	-	0	-	5	-	5	5	-	0	-	0
TOTAL	0	0	0	0	140	150	155	155	150	0	0	0
MAXIMUM DAY	0	0	0	0	5	5	5	5	5	0	0	0
MINIMUM DAY	0	0	0	0	0	5	5	5	5	0	0	0
MEAN	0	0	0	0	5	5	5	5	5	0	0	0
TOTAL AC. FT.	0	0	0	0	278	298	307	307	298	0	0	0

WHOLE YEAR:- TOTAL, 750 MAX., 5 MIN., 0 MEAN, 2 TOTAL AC.FT., 1,488

NORTH KERN WATER STORAGE DISTRICT

BEARDSLEY CANAL OPERATIONS

Quantities in acre-feet

Year: 2022

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River	+	486	0	149	639	819	5,129	7,975	1,569	523	657	3,266	4,360	25,572
Well Water Exchange Supply	+	0	0	0	0	278	298	307	307	298	0	0	0	1,488
C.V.C. Conduit "A"	+	0	0	0	0	0	0	0	0	0	0	0	0	0
+ TOTAL BEARDSLEY CANAL SUPPLY	**=**	**486**	**0**	**149**	**639**	**1,097**	**5,427**	**8,282**	**1,876**	**821**	**657**	**3,266**	**4,360**	**27,060**
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	0	109	342	482	420	448	411	464	480	371	346	3,873
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	0	23	59	61	56	60	57	59	62	53	51	541
- TOTAL KRC & IRR. CO. DIVERTED	**=**	**0**	**0**	**132**	**401**	**543**	**476**	**508**	**468**	**523**	**542**	**424**	**397**	**4,414**
Kern River Supply	-	0	0	132	401	543	476	508	468	523	0	0	0	3,051
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	234	278	298	513	307	298	111	0	0	2,039
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	4	0	0	4	0	0	4	0	0	12
Lerdo Canal Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
- TOTAL CAWELO WD DIVERTED	**=**	**0**	**0**	**0**	**238**	**278**	**298**	**517**	**307**	**298**	**115**	**0**	**0**	**2,051**
Kern River Supply	-	0	0	0	238	0	0	210	0	0	115	0	0	563
Well Water Exchange Supply	-	0	0	0	0	278	298	307	307	298	0	0	0	1,488
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	0	17	0	0	0	0	6	0	0	0	0	23
- KRC & Irr. Co. 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	+	6	0	0	0	12	60	61	16	0	0	32	62	249
= NKWSD FROM LERDO CANAL	**+**	**480**	**0**	**0**	**0**	**264**	**4,593**	**7,196**	**1,079**	**0**	**0**	**2,810**	**3,901**	**20,323**
Kern River Supply	-	486	0	0	0	276	4,653	7,257	1,095	0	0	2,842	3,963	20,572
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: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	128	0	0	0	0	41	121	126	5	0	0	42
2	97	0	0	59	0	63	128	99	5	0	0	20
3	17	0	0	59	0	69	140	61	5	28	0	36
4	0	0	0	0	5	66	140	65	5	28	0	65
5	0	0	0	0	5	122	141	72	5	0	0	72
6	0	0	0	0	5	124	107	65	5	0	0	32
7	0	0	0	0	5	118	83	65	5	0	0	22
8	0	0	0	0	5	117	84	34	5	0	0	21
9	0	0	0	0	5	103	103	5	5	0	0	40
10	0	0	0	0	5	86	128	5	5	0	0	82
11	0	0	0	0	5	92	129	5	5	0	0	121
12	0	0	0	0	5	97	98	5	5	0	0	114
13	0	0	0	0	5	80	81	5	5	0	0	86
14	0	0	0	0	5	43	100	5	5	0	0	75
15	0	0	0	0	5	42	109	5	5	0	6	66
16	0	0	0	0	5	65	182	5	5	0	85	65
17	0	0	0	0	5	93	178	5	5	0	101	64
18	0	0	0	0	5	85	141	5	5	0	94	66
19	0	0	0	0	5	86	124	5	5	0	102	64
20	0	0	0	0	5	87	127	5	5	0	102	62
21	0	0	3	0	5	72	129	5	5	0	98	63
22	0	0	6	0	5	40	129	5	5	0	96	62
23	0	0	0	0	5	64	121	5	5	0	91	63
24	0	0	0	0	5	86	124	5	5	0	100	64
25	0	0	0	0	5	87	123	5	5	0	92	65
26	0	0	0	0	8	84	124	5	5	0	91	67
27	0	0	0	0	26	85	124	5	5	0	89	68
28	0	0	0	0	17	85	131	5	5	0	90	72
29	0	-	0	0	26	82	162	5	5	0	91	74
30	0	-	0	0	44	102	150	5	5	0	89	81
31	0	-	0	-	42	-	126	5	-	0	-	73
TOTAL	242	0	9	118	273	2,466	3,887	702	150	56	1,417	1,967
MAXIMUM DAY	128	0	6	59	44	124	182	126	5	28	102	121
MINIMUM DAY	0	0	0	0	0	40	81	5	5	0	0	20
MEAN	8	0	0	4	9	82	125	23	5	2	47	63
TOTAL AC. FT.	480	0	17	234	542	4,891	7,709	1,392	298	111	2,810	3,901

WHOLE YEAR:- TOTAL, 11,287 MAX., 182 MIN., 0 MEAN, 31 TOTAL AC.FT., 22,385

NORTH KERN WATER STORAGE DISTRICT
LERDO CANAL OPERATIONS

Quantities in acre-feet

Year: 2022

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Total Beardsley Canal Supply	+	**486**	**0**	**149**	**639**	**1,097**	**5,427**	**8,282**	**1,876**	**821**	**657**	**3,266**	**4,360**	**27,060**
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	0	109	342	482	420	448	411	464	480	371	346	3,873
+ KRC & Irr. Co. Boosters		0	0	0	0	0	0	0	0	0	0	0	0	0
+ Lined Section Loss: KRC & Irr. Co.		0	0	23	59	61	56	60	57	59	62	53	51	541
= KRC & Irr. Co. from Beardsley	-	**0**	**0**	**132**	**401**	**543**	**476**	**508**	**468**	**523**	**542**	**424**	**397**	**4,414**
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	4	0	0	4	0	0	4	0	0	12
Lined Section Loss: NKWSD	-	6	0	0	0	12	60	61	16	0	0	32	62	249
Lerdo Canal Total Flow	=	**480**	**0**	**17**	**234**	**542**	**4,891**	**7,709**	**1,392**	**298**	**111**	**2,810**	**3,901**	**22,385**
+ 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	0	17	0	0	0	0	6	0	0	0	0	23
+ BVWSD/SWID Via NKWSD		0	0	0	0	0	0	0	0	0	0	0	0	0
= Others Total from Lerdo	-	**0**	**0**	**17**	**0**	**0**	**0**	**0**	**6**	**0**	**0**	**0**	**0**	**23**
+ 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	234	278	298	513	307	298	111	0	0	2,039
+ 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**	**234**	**278**	**298**	**513**	**307**	**298**	**111**	**0**	**0**	**2,039**

North Kern WSD from Lerdo	=	**480**	**0**	**0**	**0**	**264**	**4,593**	**7,196**	**1,079**	**0**	**0**	**2,810**	**3,901**	**20,323**

Total Flow via the Calloway Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2022**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	54	52	41	55	65	81	83	0	0	0	0
2	0	42	50	43	58	54	80	83	0	0	0	0
3	0	47	47	47	53	51	84	89	0	0	0	0
4	0	46	48	43	58	63	78	90	0	66	0	0
5	0	44	44	49	59	69	79	87	0	69	0	0
6	30	42	48	46	61	65	81	85	0	67	0	0
7	37	44	51	52	53	67	79	89	0	67	0	0
8	38	46	36	51	46	68	86	85	0	67	0	0
9	38	49	48	49	55	92	92	83	0	70	0	0
10	35	50	46	46	53	89	83	83	0	61	0	0
11	37	49	45	45	51	85	82	85	0	65	0	0
12	36	51	46	47	56	80	82	82	0	63	0	0
13	44	54	52	46	58	77	85	82	0	63	0	0
14	38	43	55	45	54	75	80	79	0	61	0	0
15	41	49	50	53	59	78	83	80	0	60	0	0
16	41	52	49	56	56	74	88	82	0	58	0	0
17	41	47	47	56	59	74	84	89	0	55	0	0
18	40	48	53	50	57	77	84	86	0	60	0	0
19	41	49	54	53	61	80	86	89	0	57	0	0
20	37	48	48	54	60	75	82	82	0	58	0	0
21	36	49	56	59	61	78	84	78	0	59	0	0
22	39	41	42	55	58	72	84	78	0	59	0	0
23	39	51	52	49	65	79	82	80	0	63	0	0
24	45	44	43	46	65	82	84	80	0	59	0	0
25	34	47	47	47	69	79	88	38	0	64	0	0
26	37	46	41	52	68	84	84	0	0	65	0	0
27	37	47	41	51	71	93	83	0	0	65	0	0
28	42	50	38	59	66	84	79	0	0	61	0	0
29	39	-	40	55	68	85	90	0	0	62	0	0
30	43	-	37	56	76	76	75	0	0	60	0	0
31	40	-	36	-	69	-	84	0	-	60	-	0
TOTAL	1,005	1,329	1,442	1,501	1,858	2,270	2,576	2,047	0	1,744	0	0
MAXIMUM DAY	45	54	56	59	76	93	92	90	0	70	0	0
MINIMUM DAY	0	41	36	41	46	51	75	0	0	0	0	0
MEAN	32	47	47	50	60	76	83	66	0	56	0	0
TOTAL AC. FT.	1,993	2,637	2,861	2,977	3,685	4,502	5,109	4,060	0	3,459	0	0

WHOLE YEAR:- TOTAL, 15,772 MAX., 93 MIN., 0 MEAN, 43 TOTAL AC.FT., 31,283

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2022

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	8	3	0	2	0	0	4	0	0	0	0
2	0	0	0	5	5	0	2	3	0	0	0	0
3	0	2	0	6	0	0	5	0	0	0	0	0
4	0	2	4	4	0	3	1	4	0	3	0	0
5	0	1	7	1	0	0	4	0	0	6	0	0
6	7	0	6	0	5	0	0	7	0	7	0	0
7	2	0	2	5	0	0	1	12	0	8	0	0
8	1	0	2	4	0	0	11	8	0	7	0	0
9	0	0	0	2	4	15	13	4	0	3	0	0
10	0	0	0	7	2	19	9	3	0	5	0	0
11	0	0	0	6	0	12	7	10	0	0	0	0
12	0	3	0	2	0	11	0	6	0	3	0	0
13	0	5	5	0	0	6	0	7	0	5	0	0
14	0	0	6	0	0	7	0	3	0	5	0	0
15	0	0	3	2	0	1	0	5	0	3	0	0
16	0	0	0	10	0	0	4	0	0	0	0	0
17	0	0	0	9	0	3	5	2	0	0	0	0
18	0	0	3	5	0	11	4	8	0	6	0	0
19	0	0	7	0	0	9	3	10	0	2	0	0
20	0	0	9	0	0	7	0	6	0	0	0	0
21	0	0	14	11	0	1	0	0	0	0	0	0
22	0	0	7	21	0	7	0	2	0	0	0	0
23	0	9	5	6	6	6	0	2	0	0	0	0
24	0	0	3	0	1	0	4	2	0	0	0	0
25	0	0	0	0	0	0	7	5	0	3	0	0
26	0	0	0	0	0	10	4	0	0	5	0	0
27	0	0	3	0	0	18	0	0	0	4	0	0
28	0	4	6	7	0	8	5	0	0	6	0	0
29	0	-	7	0	3	2	3	0	0	3	0	0
30	0	-	4	2	10	0	1	0	0	4	0	0
31	0	-	1	-	4	-	2	0	-	7	-	0
TOTAL	10	34	107	115	42	156	95	113	0	95	0	0
MAXIMUM DAY	7	9	14	21	10	19	13	12	0	8	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	3	4	1	5	3	4	0	3	0	0
TOTAL AC. FT.	19	68	212	228	83	309	188	224	0	188	0	0

WHOLE YEAR:- TOTAL, 767 MAX., 21 MIN., 0 MEAN, 2 TOTAL AC.FT., 1,519

NORTH KERN WATER STORAGE DISTRICT

CALLOWAY CANAL OPERATIONS

Quantities in acre-feet

Year: 2022

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FLOW AT HEADWORKS	+	**1,993**	**2,637**	**2,861**	**2,977**	**3,685**	**4,502**	**5,109**	**4,060**	**0**	**3,459**	**0**	**0**	**31,283**
KCWA Armco Turnout	-	1,871	2,458	2,525	2,630	3,479	4,074	4,799	3,737	0	3,160	0	0	28,733
Seepage Loss	-	103	111	124	119	123	119	122	99	0	111	0	0	1,031
FLOW AT MEASURING STATION	=	**19**	**68**	**212**	**228**	**83**	**309**	**188**	**224**	**0**	**188**	**0**	**0**	**1,519**
CVC Turnout to Calloway	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Seepage Loss	-	19	68	212	228	83	309	188	224	0	188	0	0	1,519
FLOW AT BUCK OWENS WEIR	=	**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
Flow from C.V.C.	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Seepage Loss	-	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOW AT OLIVE DRIVE WEIR	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
KRC & Irr. Co. Calloway Delivery	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch ID at Headworks	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Seepage Loss	-	0	0	0	0	0	0	0	0	0	0	0	0	0
9-7 Inflow	+	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD 8-1-0 Inflow	+	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOW AT SEVENTH STANDARD LINE	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
for Rosedale Ranch ID	-	0	0	0	0	0	0	0	0	0	0	0	0	0
for North Kern WSD	=	0	0	0	0	0	0		0	0	0	0	0	0
KERN COUNTY WATER AGENCY / ID4:														
Operating Loss	+	129	139	156	148	154	148	154	125	0	139	0	0	1,292
Turnout #4 to River	+	0	0	0	0	0	0	0	0	0	0	0	0	0
ID4 Treatment Plant	+	1,845	2,430	2,493	2,601	3,448	4,045	4,767	3,711	0	3,132	0	0	28,472
Cross Valley Canal Filling Losses	+	0	0	0	0	0	0	0	0	0	0	0	0	0
CVC Backflow (Net)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Spreading Below Measuring Station	+	19	68	212	228	83	309	188	224	0	188	0	0	1,519
TOTAL DIVERTED	=	**1,993**	**2,637**	**2,861**	**2,977**	**3,685**	**4,502**	**5,109**	**4,060**	**0**	**3,459**	**0**	**0**	**31,283**
KERN RIVER CANAL & IRRIGATING CO.:														
Calloway Irrigation Deliveries	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Delivery Loss/ Spreading	+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
ROSEDALE RANCH ID:														
Flow at Headworks	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Flow at Seventh Standard Line	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Assigned Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
NORTH KERN WATER STORAGE DISTRICT:														
Flow at Seventh Standard Line	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Total Diverted to Rosedale Ranch Improvement District

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2022**

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 RANCH IMPROVEMENT DISTRICT

Quantities in acre-feet

As reported by North Kern Water Storage District
(Subject to revision)

Year: 2022

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
TOTAL DIVERTED	+	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
RRID at Headgate	-	0	0	0	0	0	0	0	0	0	0	0	0	0
RRID via NKWSD 5-7 Lateral	-	0	0	0	0	0	0	0	0	0	0	0	0	0
RRID via NKWSD 9-7 @ Head	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Upstream Diversion Loss	=	0	0	0	0	0	0	0	0	0	0	0	0	0
							0							
IRRIGATION DELIVERIES	+	**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 Non-Kern River	-	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD Kern River Exchange	-	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD Non-Kern River	-	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHERS via RRID	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Mandatory Release	=	0	0	0	0	0	0	0	0	0	0	0	0	0
LOSS & SPREADING	+	**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 Non-Kern River	-	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD Kern River Exchange	-	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD Non-Kern River	-	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHERS via RRID	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Mandatory Release	=	0	0	0	0	0	0	0	0	0	0	0	0	0
RECHARGE PURCHASE PROGRAM	+	**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 Non-Kern River	=	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD/RRID EXCHANGE STATUS														
RRID to NKWSD	+	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD to RRID	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Exchange Balance	=	**(30,067)**	**(30,067)**	**(30,067)**	**(30,067)**	**(30,067)**	**(30,067)**	**(30,067)**	**(30,067)**	**(30,067)**	**(30,067)**	**(30,067)**	**(30,067)**	

NORTH KERN WATER STORAGE DISTRICT
STATUS OF EXCHANGE

As Reported by North Kern Water Storage District

Quantities in acre-feet

(subject to revision)

Year: 2022

	ARVIN EDISON WSD		CAWELO WD		DELANO EARLIMART 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	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	2,475	0	616	0	369	0	2,459	0	17,197	56,375	236,464
January	0	0	0	0	0	0	0	0	0	0	0	0	0	8,705	0	0	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8,718
February	0	0	0	0	0	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	49	0
March	0	0	0	0	1,454	0	0	0	0	0	0	0	100	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,554	8
April	0	0	0	0	962	0	0	0	0	0	0	0	461	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	1,423	0
May	0	0	0	0	777	0	0	0	0	0	494	0	115	0	0	0	0	0	0	0	0	0	0	0	166	0	0	0	0	0	0	0	0	0	0	0	0	0	1,552	0
June	0	0	0	0	207	0	0	0	0	0	833	0	206	0	0	0	0	0	0	28	0	0	0	0	231	0	0	0	0	0	0	0	0	0	0	0	0	0	1,477	28
July	0	0	0	0	177	0	0	0	0	0	799	0	177	0	0	0	0	0	0	54	0	0	0	0	231	0	0	0	0	0	0	0	0	0	0	0	0	0	1,384	54
August	0	0	0	0	188	0	0	0	0	0	804	0	187	0	0	0	0	0	0	33	0	0	0	0	297	0	0	0	0	0	0	0	0	0	0	0	0	0	1,476	33
September	0	0	0	0	166	0	0	0	0	0	779	0	167	0	0	0	0	0	0	3	0	0	0	0	248	0	0	0	0	0	0	0	0	0	0	0	0	0	1,360	3
October	0	0	0	0	162	0	0	0	0	0	371	0	0	0	0	0	0	0	49	0	0	0	0	0	228	0	0	0	0	0	0	0	0	0	0	0	0	0	810	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	254	0	0	0	0	0	0	0	0	0	0	0	0	0	254	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19,084	0	0	0	0	0	0	0	0	0	0	0	0	325	0	0	0	0	0	0	19,084	325
Total	0	0	0	0	4,093	0	0	0	0	0	4,080	0	1,413	8,705	0	0	0	0	19,182	139	0	0	0	0	1,655	0	0	0	0	0	0	325	0	0	0	0	0	0	30,423	9,169
	Loss	0				10% loss								25% loss	2,176							0				0									Loss	0				
Current Status	0	0	26,308	0	0	20,585	0	15,477	0	12	0	19,240	0	27,495	30,067	0	0	24,180	0	39,247	0	7,575	0	5,375	0	29,544	0	863	0	2,475	0	941	0	369	0	2,459	0	17,197	56,375	213,034

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: 2022***

	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)
Prior Year Status	0	15,477	0	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
Current Status	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 1-1-2023 (*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"				
Date	*NKWSD to ID4*	*ID4 to NKWSD*	*Cumulative Exchange Balance*	*Date*	*NKWSD to ID4*	*ID4 to NKWSD*	*Cumulative Exchange Balance*	*Overall 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)
2022	0	0	(15,477)	2022	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 to time remaining and amount owed. Each exchangor 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 exchangor declines payback the amounts owed will be extinguished on December 31st of the last year.

North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND — Class 1 Irrigation Deliveries — Year: 2022

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	14	54	77	9	320	275	235	179	156	102	48
2	0	9	113	71	181	244	173	196	155	33	69	27
3	0	32	105	0	203	286	79	162	158	195	68	0
4	0	32	32	80	216	246	222	143	128	230	40	0
5	2	10	7	103	232	58	270	244	160	170	21	8
6	0	9	13	237	193	277	284	204	199	185	12	36
7	0	0	131	213	45	268	278	65	118	212	19	9
8	0	36	116	127	3	250	341	152	156	131	17	9
9	0	69	160	44	190	255	282	198	169	18	25	3
10	0	50	156	17	193	290	120	195	156	183	11	4
11	0	66	122	195	180	176	264	164	105	162	10	0
12	2	4	20	150	250	51	304	223	156	190	3	0
13	0	0	6	113	218	307	261	139	135	178	3	0
14	0	90	170	115	71	309	200	41	136	203	14	0
15	0	116	171	156	5	210	266	169	106	107	13	2
16	0	111	149	22	256	230	219	153	146	12	22	1
17	0	149	218	1	219	297	106	164	132	183	19	1
18	0	120	146	146	213	231	247	156	101	201	12	1
19	2	17	21	189	231	31	248	185	133	162	3	0
20	0	5	0	169	189	313	251	198	167	223	3	0
21	2	85	128	189	41	321	292	59	164	203	12	9
22	2	278	133	140	12	280	255	156	170	45	20	21
23	0	248	138	48	232	241	291	153	166	17	14	1
24	9	148	164	5	236	332	132	176	156	162	0	0
25	10	131	60	149	194	240	322	194	23	153	5	0
26	7	15	26	174	213	42	309	213	160	111	1	16
27	9	2	0	237	258	330	261	216	148	164	0	37
28	11	45	5	265	117	316	228	58	162	104	19	41
29	0	-	7	234	58	228	402	171	150	13	23	36
30	0	-	79	99	52	207	229	142	156	0	25	0
31	7	-	79	-	272	-	51	124	-	95	-	0
TOTAL	63	1,891	2,729	3,765	4,982	7,186	7,462	5,048	4,350	4,201	605	310
MAXIMUM DAY	11	278	218	265	272	332	402	244	199	230	102	48
MINIMUM DAY	0	0	0	0	3	31	51	41	23	0	0	0
MEAN	2	68	88	126	161	240	241	163	145	136	20	10
TOTAL AC. FT.	125	3,751	5,412	7,467	9,882	14,253	14,801	10,013	8,629	8,333	1,200	615

WHOLE YEAR:- TOTAL, 42,592 MAX., 402 MIN., 0 MEAN, 117 TOTAL AC.FT., 84,481

North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND — Class 2 Irrigation Deliveries — Year: 2022

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	16	37	65	7	156	109	134	68	60	32	18
2	0	14	84	19	74	109	78	98	72	15	22	0
3	0	41	101	4	92	116	42	82	56	62	23	0
4	0	36	8	55	104	101	101	73	56	50	31	0
5	0	25	20	74	72	33	100	75	55	58	4	0
6	0	5	5	105	72	107	109	55	71	56	0	2
7	0	4	28	93	25	98	120	31	88	65	2	0
8	0	29	45	58	13	103	115	73	80	30	4	0
9	0	30	45	19	86	96	108	64	79	9	7	4
10	0	36	46	5	113	102	59	66	75	65	3	0
11	0	42	60	56	93	75	130	67	21	38	7	0
12	0	10	9	53	94	58	105	69	55	51	9	0
13	0	4	8	107	63	109	111	122	59	77	1	4
14	0	54	57	91	23	115	78	58	54	46	4	4
15	0	41	73	71	22	80	127	65	48	37	6	0
16	0	102	104	14	94	96	116	89	92	13	16	0
17	0	136	81	5	89	93	86	77	47	35	6	4
18	0	90	44	92	65	72	112	101	41	48	9	0
19	0	23	8	81	95	29	106	102	78	50	2	5
20	0	13	0	79	75	85	122	81	56	63	0	5
21	0	85	37	114	20	92	88	30	51	78	15	20
22	0	114	77	62	12	84	120	67	52	20	17	16
23	0	103	70	27	110	75	115	57	67	8	19	1
24	6	104	89	6	86	84	52	61	68	55	1	0
25	6	64	52	52	104	87	104	59	9	75	1	0
26	12	17	17	64	130	26	109	89	57	56	2	6
27	17	11	6	107	100	69	112	54	59	51	0	18
28	12	15	7	117	63	85	130	20	55	50	13	17
29	9	-	17	107	21	100	115	44	45	18	19	16
30	4	-	17	48	28	105	105	87	51	15	1	0
31	3	-	52	-	143	-	56	127	-	31	-	0
TOTAL	69	1,264	1,304	1,850	2,188	2,640	3,140	2,277	1,765	1,385	276	140
MAXIMUM DAY	17	136	104	117	143	156	130	134	92	78	32	20
MINIMUM DAY	0	4	0	4	7	26	42	20	9	8	0	0
MEAN	2	45	42	62	71	88	101	73	59	45	9	5
TOTAL AC. FT.	136	2,506	2,586	3,669	4,339	5,236	6,228	4,516	3,501	2,747	547	278

WHOLE YEAR:- TOTAL, 18,298 MAX., 156 MIN., 0 MEAN, 50 TOTAL AC.FT., 36,289

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

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2022**

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 | Friant-Kern Inflow to Poso Creek Channel | Year: 2022

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

DISCHARGE IN CUBIC FEET PER SECOND — Total Spreading Deliveries — Year: 2022

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	390	0	0	0	0	0	0	0	0	0	11	14
2	364	0	0	0	0	0	0	0	0	0	12	13
3	350	0	0	0	0	0	0	0	0	0	14	13
4	323	0	0	0	0	0	0	0	0	0	10	12
5	264	0	0	0	0	0	0	0	0	0	14	14
6	283	0	0	0	0	0	0	0	0	0	14	14
7	278	0	0	0	0	0	0	0	0	0	9	9
8	260	0	0	0	0	0	0	0	0	0	9	14
9	281	0	0	0	0	0	0	0	0	0	14	14
10	290	0	0	0	0	0	0	0	0	0	9	13
11	271	0	0	0	0	0	0	0	0	0	14	27
12	291	0	0	0	0	0	0	0	0	0	14	105
13	268	0	0	0	0	0	0	0	0	0	10	86
14	230	0	0	0	0	0	0	0	0	0	12	74
15	221	0	0	0	0	0	0	0	0	0	14	11
16	14	0	0	0	0	0	0	0	0	0	12	14
17	9	0	0	0	0	0	0	0	0	0	19	44
18	13	0	0	0	0	0	0	0	0	0	14	36
19	13	0	0	0	0	0	0	0	0	0	12	36
20	14	0	0	0	0	0	0	0	0	0	10	60
21	14	0	0	0	0	0	0	0	0	0	63	55
22	13	0	0	0	0	0	0	0	0	0	53	55
23	11	0	0	0	0	0	0	0	0	0	67	33
24	14	0	0	0	0	0	0	0	0	13	59	29
25	11	0	0	0	0	0	0	0	0	8	54	50
26	14	0	0	0	0	0	0	0	0	18	56	44
27	14	0	0	0	0	0	0	0	0	9	56	31
28	14	0	0	0	0	0	0	0	0	14	34	9
29	11	-	0	0	0	0	0	0	0	12	23	13
30	14	-	0	0	0	0	0	0	0	9	14	53
31	14	-	0	-	0	-	0	0	-	14	-	50
TOTAL	4,571	0	0	0	0	0	0	0	0	97	726	1,045
MAXIMUM DAY	390	0	0	0	0	0	0	0	0	18	67	105
MINIMUM DAY	9	0	0	0	0	0	0	0	0	0	9	9
MEAN	147	0	0	0	0	0	0	0	0	3	24	34
TOTAL AC. FT.	9,066	0	0	0	0	0	0	0	0	192	1,440	2,073

WHOLE YEAR:- TOTAL, 6,439 MAX., 390 MIN., 0 MEAN, 18 TOTAL AC.FT., 12,771

North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND — Friant-Kern Canal Pump-In Total Deliveries to NKWSD — Year: 2022

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	310	0	0	0	0	0	0	0	0	0	0	0
2	303	0	0	0	0	0	0	0	0	0	0	0
3	305	0	0	0	0	0	0	0	0	0	0	0
4	305	0	0	0	0	0	0	0	0	0	0	0
5	309	0	0	0	0	0	0	0	0	0	0	0
6	310	0	0	0	0	0	0	0	0	0	0	0
7	310	0	0	0	0	0	0	0	0	0	0	0
8	311	0	0	0	0	0	0	0	0	0	0	0
9	314	0	0	0	0	0	0	0	0	0	0	0
10	299	0	0	0	0	0	0	0	0	0	0	0
11	296	0	0	0	0	0	0	0	0	0	0	0
12	297	0	0	0	0	0	0	0	0	0	0	0
13	302	0	0	0	0	0	0	0	0	0	0	0
14	301	0	0	0	0	0	0	0	0	0	0	0
15	117	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	4,389	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	314	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	142	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	8,705	0	0	0	0	0	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 4,389 MAX., 314 MIN., 0 MEAN, 12 TOTAL AC.FT., 8,705

North Kern WSD Diverted to Cawelo Water District

DISCHARGE IN CUBIC FEET PER SECOND (Does not include Isabella Reservoir evaporation loss) Year: 2022

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

DISCHARGE IN CUBIC FEET PER SECOND — Exchange Deliveries via/for Shafter-Wasco ID — Year: 2022

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	2	0	0
4	0	0	0	0	0	0	0	0	0	2	0	0
5	0	0	0	0	0	0	0	0	0	2	0	0
6	0	0	0	0	0	0	0	0	0	2	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	2	0	0	0	0	0	0	0	2	0	0
11	0	2	0	0	0	0	0	0	0	2	0	0
12	0	3	0	0	0	0	0	0	0	2	0	0
13	0	2	0	0	0	0	0	0	0	2	0	0
14	0	2	0	0	0	0	0	0	0	0	0	0
15	0	2	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	2	0	0
18	0	0	0	0	0	0	0	0	0	3	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	2	0	0	0	0	0	0	0	0	0	0
22	0	2	0	0	0	0	0	0	0	0	0	0
23	0	2	0	0	0	0	0	0	0	0	0	0
24	0	2	0	0	0	0	0	0	0	2	0	0
25	0	2	0	0	0	0	0	0	0	2	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	2	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	25	0	0	0	0	0	0	0	25	0	0
MAXIMUM DAY	0	3	0	0	0	0	0	0	0	3	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	0	0	0	0	0	0	0	1	0	0
TOTAL AC. FT.	0	49	0	0	0	0	0	0	0	49	0	0

WHOLE YEAR:- TOTAL, 50 MAX., 3 MIN., 0 MEAN, 0 TOTAL AC.FT., 98

North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND — Exchange Deliveries via/for DEID — Year: 2022

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	27	27	22	4	2	4	2	6	0	0
2	0	0	27	24	11	5	4	2	4	6	0	0
3	0	0	27	26	14	2	3	2	2	3	0	0
4	0	0	27	24	16	4	5	3	3	6	0	0
5	0	0	27	25	16	5	3	2	2	5	0	0
6	0	0	27	16	11	6	2	3	2	6	0	0
7	0	0	27	15	15	3	5	4	3	8	0	0
8	0	0	27	13	16	3	2	4	1	5	0	0
9	0	0	26	9	14	5	3	3	1	6	0	0
10	0	0	26	16	15	3	4	4	0	6	0	0
11	0	0	24	14	15	4	2	4	2	6	0	0
12	0	0	22	13	19	2	3	1	4	8	0	0
13	0	0	22	15	9	3	4	5	3	6	0	0
14	0	0	24	14	4	4	3	5	2	5	0	0
15	0	0	25	11	13	3	1	3	1	0	0	0
16	0	0	25	15	8	4	4	4	4	0	0	0
17	0	0	25	16	13	2	3	3	4	0	0	0
18	0	0	25	14	11	3	4	4	3	0	0	0
19	0	0	25	13	12	4	3	2	4	0	0	0
20	0	0	25	14	10	3	3	4	3	0	0	0
21	0	0	25	12	13	3	2	3	4	0	0	0
22	0	0	25	12	14	3	4	3	3	0	0	0
23	0	0	25	15	11	5	2	3	3	0	0	0
24	0	0	25	13	12	3	3	4	3	0	0	0
25	0	0	18	15	4	4	3	4	3	0	0	0
26	0	0	15	12	14	3	3	2	4	0	0	0
27	0	0	15	11	13	2	3	2	4	0	0	0
28	0	0	14	16	11	3	3	5	4	0	0	0
29	0	-	14	21	13	3	2	2	3	0	0	0
30	0	-	22	24	15	3	1	1	3	0	0	0
31	0	-	25	-	8	-	0	0	-	0	-	0
TOTAL	0	0	733	485	392	104	89	95	84	82	0	0
MAXIMUM DAY	0	0	27	27	22	6	5	5	4	8	0	0
MINIMUM DAY	0	0	14	9	4	2	0	0	0	0	0	0
MEAN	0	0	24	16	13	3	3	3	3	3	0	0
TOTAL AC. FT.	0	0	1,454	962	777	207	177	188	166	162	0	0

WHOLE YEAR:- TOTAL, 2,064 MAX., 27 MIN., 0 MEAN, 6 TOTAL AC.FT., 4,093

North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND — Exchange Deliveries via/for SSJMUD — Year: 2022

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	5	3	3	3	0	0	0
2	0	0	0	0	0	5	4	2	4	0	0	0
3	0	0	0	0	0	2	3	1	1	0	0	0
4	0	0	0	0	0	4	5	4	4	0	0	0
5	0	0	0	0	0	5	3	3	3	0	0	0
6	0	0	0	8	0	6	2	4	2	0	0	0
7	0	0	0	10	0	3	6	3	2	0	0	0
8	0	0	0	10	0	3	2	5	2	0	0	0
9	0	0	0	10	0	4	4	3	1	0	0	0
10	0	0	0	10	0	4	3	3	0	0	0	0
11	0	0	0	10	0	5	3	5	2	0	0	0
12	0	0	0	10	7	2	3	1	3	0	0	0
13	0	0	0	10	2	3	3	5	4	0	0	0
14	0	0	0	10	3	3	3	4	1	0	0	0
15	0	0	0	10	4	4	1	3	1	0	0	0
16	0	0	0	10	3	4	4	3	3	0	0	0
17	0	0	0	10	2	2	4	3	4	0	0	0
18	0	0	0	10	3	3	3	4	3	0	0	0
19	0	0	0	10	2	4	3	1	3	0	0	0
20	0	0	0	10	3	3	2	4	4	0	0	0
21	0	0	0	10	2	3	3	3	3	0	0	0
22	0	0	0	10	3	3	5	3	3	0	0	0
23	0	0	0	10	2	4	2	3	3	0	0	0
24	0	0	0	10	3	3	2	3	4	0	0	0
25	0	0	7	10	2	3	3	4	3	0	0	0
26	0	0	10	10	3	4	2	2	3	0	0	0
27	0	0	10	10	2	2	3	3	4	0	0	0
28	0	0	10	10	3	3	2	5	4	0	0	0
29	0	-	10	4	2	2	1	3	3	0	0	0
30	0	-	3	0	5	3	2	2	4	0	0	0
31	0	-		-	2	-	0	0	-	0	-	0
TOTAL	0	0	50	232	58	104	89	95	84	0	0	0
MAXIMUM DAY	0	0	10	10	7	6	6	5	4	0	0	0
MINIMUM DAY	0	0	0	0	0	2	0	0	0	0	0	0
MEAN	0	0	2	8	2	3	3	3	3	0	0	0
TOTAL AC. FT.	0	0	100	461	115	206	177	187	167	0	0	0

WHOLE YEAR:- TOTAL, 712 MAX., 10 MIN., 0 MEAN, 2 TOTAL AC.FT., 1,413

North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND — Exchange Deliveries via/for Kern-Tulare WD — Year: 2022

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	8	14	13	13	13	14	0	0
2	0	0	0	0	8	14	13	13	13	15	0	0
3	0	0	0	0	8	14	13	13	14	13	0	0
4	0	0	0	0	8	14	13	13	13	14	0	0
5	0	0	0	0	8	14	13	13	13	13	0	0
6	0	0	0	0	8	14	13	13	13	13	0	0
7	0	0	0	0	9	14	13	14	14	14	0	0
8	0	0	0	0	8	14	13	13	13	11	0	0
9	0	0	0	0	9	14	13	13	13	14	0	0
10	0	0	0	0	8	14	13	14	13	14	0	0
11	0	0	0	0	9	14	13	14	14	14	0	0
12	0	0	0	0	9	14	13	13	13	13	0	0
13	0	0	0	0	8	14	13	13	13	13	0	0
14	0	0	0	0	8	14	13	13	13	12	0	0
15	0	0	0	0	8	14	13	13	13	0	0	0
16	0	0	0	0	8	14	13	13	13	0	0	0
17	0	0	0	0	8	14	13	13	13	0	0	0
18	0	0	0	0	8	14	13	13	13	0	0	0
19	0	0	0	0	8	14	13	13	13	0	0	0
20	0	0	0	0	8	14	13	13	13	0	0	0
21	0	0	0	0	8	14	13	13	13	0	0	0
22	0	0	0	0	8	14	13	13	13	0	0	0
23	0	0	0	0	8	14	13	13	13	0	0	0
24	0	0	0	0	8	14	13	13	13	0	0	0
25	0	0	0	0	6	14	13	13	13	0	0	0
26	0	0	0	0	8	14	13	13	13	0	0	0
27	0	0	0	0	8	14	13	13	13	0	0	0
28	0	0	0	0	8	14	13	13	13	0	0	0
29	0	-	0	0	8	14	13	13	13	0	0	0
30	0	-	0	0	8	14	13	13	13	0	0	0
31	0	-	0	-	7	-	13	12	-	0	-	0
TOTAL	0	0	0	0	249	420	403	405	393	187	0	0
MAXIMUM DAY	0	0	0	0	9	14	13	14	14	15	0	0
MINIMUM DAY	0	0	0	0	6	14	13	12	13	0	0	0
MEAN	0	0	0	0	8	14	13	13	13	6	0	0
TOTAL AC. FT.	0	0	0	0	494	833	799	804	779	371	0	0

WHOLE YEAR:- TOTAL, 2,057 MAX., 15 MIN., 0 MEAN, 6 TOTAL AC.FT., 4,080

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

Quantities in acre-feet

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													
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	

2022													
NKWSD to CITY	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
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0		0
CITY Debit to NKWSD	5,262	5,262	5,262	5,262	5,262	5,262	5,262	5,262	5,262	5,262	5,262	5,262	

Long Term Recapitulation

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

Quantities in acre-feet

Year: 2022

YEAR	NKWSD TO CITY	CITY TO NKWSD	END OF YEAR RUNNING BALANCE (City owes NKWSD)
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
2022	0	0	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

L. MARK MULKAY

WATERMASTER SUMMARIES AND COST ALLOCATIONS

Following the retirement of Dana Munn, the Kern River Interest elected long time General Manager for Kern Delta Water District, Mark Mulkay to serve as Watermaster. Mark took over the role in late 2021. He serves as only the 4th Watermaster since 1955.

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: 2022

	2018	2019	2020	2021	2022	Five Year Total	Allocation Percentage
Carrier Canal at Head	207,823	266,225	166,231	128,367	151,455	920,101	99.94%
Oilfield Discharge	0	0	0	0	0	0	0.00%
Storm Drain Inflow	69	251	206	31	0	557	0.06%
TOTAL CARRIER CANAL FLOW	**207,892**	**266,476**	**166,437**	**128,398**	**151,455**	**920,658**	**100.00%**
Kern Island Canal (1)	119,001	138,329	101,962	67,641	85,689	512,622	55.68%
Eastside Canal	18,642	32,165	18,950	16,561	16,000	102,318	11.11%
Kern Delta WD via Levee #1	37,212	40,314	16,124	27,215	27,199	148,064	16.08%
KERN DELTA WATER DISTRICT TOTAL	**174,855**	**210,808**	**137,036**	**111,417**	**128,888**	**763,004**	**82.87%**
Via Kern Island Canal	0	0	0	0	0	0	0.00%
Carrier Waste Gate	0	0	0	0	0	0	0.00%
Kern River Conduit via Levee #1	33,037	55,668	29,401	16,981	22,567	157,654	17.12%
CITY OF BAKERSFIELD TOTAL	**33,037**	**55,668**	**29,401**	**16,981**	**22,567**	**157,654**	**17.12%**

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: 2022

	2018	2019	2020	2021	2022	Five Year Total	Allocation Percentage
TOTAL CARRIER CANAL FLOW (1)	**130,644**	**272,012**	**105,705**	**25,532**	**12,687**	**546,580**	**100.00%**
Stine Canal Total Diverted (2)	13,943	50,222	10,996	1,817	1,125	78,103	14.29%
Arvin-Edison Turnout Total Diverted (2)	0	0	0	0	0	0	0.00%
Buena Vista Canal Total Diverted (2)	23,253	58,716	22,331	6,757	4,245	115,302	21.10%
River Canal Total Diverted (3)	0	0	0	0	0	0	0.00%
KERN DELTA WATER DISTRICT TOTAL DIVERTED FROM CARRIER CANAL	**37,196**	**108,938**	**33,327**	**8,574**	**5,370**	**193,405**	**35.39%**
KERN RIVER CONDUIT (City of Bakersfield)	**93,448**	**163,074**	**72,378**	**16,958**	**7,317**	**353,175**	**64.61%**

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
2022

CALLOWAY CANAL USED

Preceding Ten Years

	Diverted via Calloway Canal				
Year	NKWSD	CITY	Subtotal	ID4	TOTAL
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
2022	0	895	895	30,388	31,283
Total	164,920	35,985	200,905	233,031	433,936
Percent	**82.09%**	**17.91%**	**100.00%**		

BEARDSLEY CANAL USED

Preceding Five Years

	Diverted via Beardsley Canal						
	North Kern Water Storage District						
Year	NKWSD	RRID	TOTAL	CITY	Subtotal	CWD/Other	TOTAL
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
2022	20,572	0	20,572	4,437	25,009	2,051	27,060
Total	358,283	0	358,283	31,880	390,163	103,928	579,418
Percent	**91.83%**	**0.00%**	**91.83%**	**8.17%**	**100.00%**		

IMPROVEMENT DISTRICT NO. 4 USE OF CALLOWAY CANAL

Pursuant to Calloway Canal Agreement dated April 28, 1982

Quantities in acre-feet except where noted...

Year: 2022

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
EAST REACH	Operating Loss/Spreading	103	111	124	119	123	119	122	99	0	111	0	0	1,031
	Treatment Plant	1,871	2,458	2,525	2,630	3,479	4,074	4,799	3,737	0	3,160	0	0	28,733
	Reverse Flow via Pump Plant #7	0	0	0	0	0	0	0	0	0	0	0	0	0
	CVC Extension Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
	T.O. #4 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
	Loss to Buck Owens Weir	19	68	212	228	83	309	188	224	0	188	0	0	1,519
	Western Reach Flow	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trans. Charge Waived	0	0	0	0	0	0	0	0	0	0	0	0	0
	SUB-TOTAL DIVERSION	1,993	2,637	2,861	2,977	3,685	4,502	5,109	4,060	0	3,459	0	0	31,283
	Base Rate	$0.75	$0.75	$0.75	$0.75	$0.75	$0.75	$0.75	$0.75	$0.75	$0.75	$0.75	$0.75	
	Escalator	2.443	2.443	2.443	2.443	2.443	2.443	2.443	2.443	2.443	2.443	2.443	2.443	
	Current Rate	$1.83	$1.83	$1.83	$1.83	$1.83	$1.83	$1.83	$1.83	$1.83	$1.83	$1.83	$1.83	
	SUB-TOTAL CHARGE	$3,647.19	$4,825.71	$5,235.63	$5,447.91	$6,743.55	$8,238.66	$9,349.47	$7,429.80	$0.00	$6,329.97	$0.00	$0.00	$57,247.89
WEST REACH	Bartell Spreading	0	0	0	0	0	0	0	0	0	0	0	0	0
	Loss Below Buck Owens Weir	0	0	0	0	0	0	0	0	0	0	0	0	0
	NKWSD Exchange Delivery	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trans. Charge Waived	0	0	0	0	0	0	0	0	0	0	0	0	0
	SUB-TOTAL DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	Current Rate	$1.83	$1.83	$1.83	$1.83	$1.83	$1.83	$1.83	$1.83	$1.83	$1.83	$1.83	$1.83	
	SUB-TOTAL CHARGE	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
TOTAL CHARGE		**$3,647.19**	**$4,825.71**	**$5,235.63**	**$5,447.91**	**$6,743.55**	**$8,238.66**	**$9,349.47**	**$7,429.80**	**$0.00**	**$6,329.97**	**$0.00**	**$0.00**	**$57,247.89**

HYDROGRAPHIC SUMMARY

UTILIZATION OF WATER - FIRST POINT GROUP - PRECEDING FIVE YEARS

Quantities in acre-feet

Year: 2022

Canal	2018	2019	2020	2021	2022	Five Year Total	Percentage
Kern Island	129,066	143,950	100,739	71,151	86,883	531,789	27.94%
Eastside	18,395	28,760	18,949	16,561	16,000	98,665	5.18%
Buena Vista	10,044	45,361	10,675	2,265	438	68,783	3.61%
Stine	10,644	34,091	15,734	1,464	1,236	63,169	3.32%
Farmers	6,691	25,516	6,849	1,009	609	40,674	2.14%
Subtotal Kern Delta WD	**174,840**	**277,678**	**152,946**	**92,450**	**105,166**	**803,080**	**42.19%**
City of Bakersfield	40,797	355,642	46,236	697	276	443,648	23.31%
K.R.C. & I. Co. (Beardsley)	7,543	8,554	7,936	4,682	4,449	33,164	1.75%
Central - I.D. #4 (Calloway)	35,440	35,650	33,472	17,222	31,283	153,067	8.04%
James	0	0	0	0	0	0	0.00%
Pioneer	0	0	0	0	0	0	0.00%
Subtotal City of Bakersfield	**83,780**	**399,846**	**87,644**	**22,601**	**36,008**	**629,879**	**33.10%**
North Kern WSD	**101,599**	**258,602**	**57,995**	**31,052**	**21,123**	**470,371**	**24.71%**
Total First Point Group	**360,219**	**936,126**	**298,585**	**146,103**	**162,297**	**1,903,330**	**100.00%**
South Fork	0	0	0	0	0		
First Point Passing 2nd Point	0	341	0	0	0		
River Loss and Spreading	42,772	99,897	49,029	18,752	19,980		
Flow Above First Point	11,291	11,491	13,061	11,361	7,531		
Total 1st Point Group Diverted	**414,282**	**1,047,855**	**360,675**	**176,216**	**189,808**		

- 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: 2022

Year	Acre-Foot Days of Irrigation Storage			Isabella O&M Charges (2)
	NKWSD (1)	BVWSD	Total A.F.D.	
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
2022	6,727,049	2,651,894	9,378,943	$347,958
5-Year Totals	127,358,719	54,548,461	181,907,180	$1,659,307

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

- Total 5-Year Operation & Interest Charge..... $2,802,557

Total 5-Year Cost / Total 5-Year Use = $2,802,557 / 181,907,180 = $0.0154065 Rental Charge Per Acre-Foot Day

TOTAL 2022 HACIENDA WD Acre-Foot Storage Days = 0

TOTAL 2022 HACIENDA WD Share of 2022 Storage Costs = $0.00

(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: 2022

	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	52,644	2,647	1,230			
January	59,949	2,911	1,165	768	16	329
February	64,126	3,057	1,135	762	16	296
March	65,140	3,092	1,130	1,061	44	401
April	71,408	3,304	1,085	1,514	60	516
May	80,737	3,608	1,030	2,152	77	653
June	71,309	3,301	1,085	2,696	105	829
July	49,411	2,526	1,260	2,780	127	1,113
August	43,640	2,305	1,330	2,212	121	1,168
September	39,549	2,143	1,390	1,590	91	990
October	36,409	2,016	1,455	1,196	65	823
November	38,740	2,111	1,410	646	42	444
December	51,047	2,588	1,245	417	26	248
			TOTALS	17,794	790	7,810

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: 2022

2022 CALENDAR YEAR

	FIRST POINT		ENTITLEMENT		
	REGULATED	NATURAL	NKWSD	BVWSD	HWD
JANUARY	10,367	18,440	18,440	0	0
To Date	10,367	18,440	18,440	0	0
FEBRUARY	10,272	15,211	15,211	0	0
	20,639	33,651	33,651	0	0
MARCH	18,894	20,969	19,803	1,166	0
	39,533	54,620	53,454	1,166	0
APRIL	23,263	31,045	26,848	4,197	0
	62,796	85,665	80,302	5,363	0
MAY	24,924	36,405	30,689	5,716	0
	87,720	122,070	110,991	11,079	0
JUNE	27,102	20,370	19,204	1,166	0
	114,822	142,440	130,195	12,245	0
JULY	27,577	8,459	8,459	0	0
	142,399	150,899	138,654	12,245	0
AUGUST	17,675	14,116	13,539	577	0
	160,074	165,015	152,193	12,822	0
SEPTEMBER	9,923	7,422	7,422	0	0
	169,997	172,437	159,615	12,822	0
OCTOBER	7,873	5,929	5,929	0	0
	177,870	178,366	165,544	12,822	0
NOVEMBER	8,128	11,105	11,105	0	0
	185,998	189,471	176,649	12,822	0
DECEMBER	8,251	20,975	20,975	0	0
Year	194,249	210,446	197,624	12,822	0

1894 to 2022 Mean April-July Runoff = 455,549 acre-feet (100% of Average)

2022 April-July Runoff = 96,279 (21% of Average)

2021-2022 WATER YEAR

	FIRST POINT		ENTITLEMENT		
	REGULATED	NATURAL	NKWSD	BVWSD	HWD
OCTOBER	7,876	8,285	8,285	0	0
To Date	7,876	8,285	8,085	0	0
NOVEMBER	10,189	10,362	10,362	0	0
	18,065	18,647	18,447	0	0
DECEMBER	14,461	17,706	17,706	0	0
	32,526	36,353	36,153	0	0
JANUARY	10,367	18,440	18,440	0	0
	42,893	54,793	54,593	0	0
FEBRUARY	10,272	15,211	15,211	0	0
	53,165	70,004	69,804	0	0
MARCH	18,894	20,969	19,803	1,166	0
	72,059	90,973	89,607	1,166	0
APRIL	23,263	31,045	26,848	4,197	0
	95,322	122,018	116,455	5,363	0
MAY	24,924	36,405	30,689	5,716	0
	120,246	158,423	147,144	11,079	0
JUNE	27,102	20,370	19,204	1,166	0
	147,348	178,793	166,348	12,245	0
JULY	27,577	8,459	8,459	0	0
	174,925	187,252	174,807	12,245	0
AUGUST	17,675	14,116	13,539	577	0
	192,600	201,368	188,346	12,822	0
SEPTEMBER	9,923	7,422	7,422	0	0
Year	202,523	208,790	195,768	12,822	0

1894 to 2022 Mean March-October Runoff = 585,122 acre-feet (100% of Average)

2022 March-October Runoff = 144,715 acre-feet (25% of Average)

REPORT OF THE KERN RIVER WATERMASTER

RECAPITULATION 2022

QUANTITIES IN ACRE-FEET EXCEPT WHERE NOTED...

	ISABELLA RESERVOIR										NORTH KERN WATER STORAGE DISTRICT						BUENA VISTA WATER STORAGE DISTRICT									HACIENDA WATER DISTRICT					
	Elevation (feet)	Storage	Loss	Flow At First Point	Flow Above First Point	First Point Regulated Flow	Rio Bravo Well	Change in Storage + Loss + 1st Pt. Regulated Flow - Rio Bravo Well	Computed 1st Point Natural Flow	Mean Reservoir Storage	Entl At First Point	Flow Above First Point	Flow At First Point	Reservoir Storage	Reservoir Loss	Transfer *or* Exchange *in* Storage	Entitlement At 1st Point	Entitlement At 2nd Point	Flow Above 1st Point	Flow At 1st Point	Flow At 2nd Point	Reservoir Storage	Reservoir Loss	Kern County Rec. Pool Loss	Entitlement Contributed by: NKWSD	Entitlement Contributed by: BVWSD	Flow At 1st Point	Flow At 2nd Point	Reservoir Storage	Reservoir Loss
Carry Over	2532.67	52,644								52,644				15,198								7,262							0	
JAN	2535.30	59,949	768	10,314	53	10,367	0	18,440	18,440	59,949	18,440	53	10,314	22,705	566	0	0	0	0	0	0	7,060	202	329	0	0	0	0	0	0
FEB	2536.71	64,126	762	10,215	57	10,272	0	15,211	15,211	64,126	15,211	57	10,215	27,059	585	0	0	0	0	0	0	6,883	177	296	0	0	0	0	0	0
MAR	2537.03	65,140	1,061	18,498	396	18,894	0	20,969	20,969	65,140	19,803	396	18,000	27,645	821	0	0	1,166	0	0	498	7,311	240	401	0	0	0	0	0	0
APR	2538.99	71,408	1,514	22,822	441	23,263	0	31,045	31,045	71,408	26,848	441	19,337	33,540	1,175	0	0	4,197	0	238	3,247	7,684	339	516	0	0	0	0	0	0
MAY	2541.69	80,737	2,152	24,206	718	24,924	0	36,405	36,405	80,737	30,689	718	23,510	38,325	1,676	0	0	5,716	0	0	696	12,228	476	653	0	0	0	0	0	0
JUN	2538.96	71,309	2,696	26,087	1,015	27,102	0	20,370	20,370	71,309	19,204	1,015	25,928	28,610	1,976	0	0	1,166	0	159	0	12,515	720	829	0	0	0	0	0	0
JUL	2531.42	49,411	2,780	26,520	1,057	27,577	0	8,459	8,459	49,411	8,459	1,057	26,052	8,821	1,896	(1) 758	0	0	0	468	0	10,406	884	1113	0	0	0	0	0	0
AUG	2529.03	43,640	2,212	16,625	1,050	17,675	0	14,116	14,116	43,640	13,539	1,050	16,625	7,406	1,521	(1) 4242	0	577	0	0	0	6,050	691	1168	0	0	0	0	0	0
SEP	2527.19	39,549	1,590	8,961	962	9,923	0	7,422	7,422	39,549	7,422	962	8,961	3,876	1,029	0	0	0	0	0	0	5,489	561	990	0	0	0	0	0	0
OCT	2525.68	36,409	1,196	6,932	941	7,873	0	5,929	5,929	36,409	5,929	941	6,817	1,309	738	0	0	0	0	115	0	4,916	458	823	0	0	0	0	0	0
NOV	2526.81	38,740	646	7,352	776	8,128	0	11,105	11,105	38,740	11,105	776	7,352	4,852	434	(1) 1000	0	0	0	0	0	3,704	212	444	0	0	0	0	0	0
DEC	2532.06	51,047	417	8,186	65	8,251	0	20,975	20,975	51,047	20,975	65	8,186	17,282	304	(1) 10	0	0	0	0	0	3,581	113	248	0	0	0	0	0	0
Total			17,794	186,718	7,531	194,249	0	210,446	210,446		197,624	7,531	181,297		12721	6010	0	12,822	0	980	4,441		5073	7810	0	0	0	0		0

KERN COUNTY RECREATION POOL = 30,000 Ac.Ft. DEAD STORAGE = 184 Ac.Ft.
STORAGE & ELEVATION REFLECT LAST DAY OF MONTH

NOTES: (1) BVWSD to NKWSD

By: Miguel Chavez Date: January 31, 2023

Isabella Dam & Reservoir

QUANTITIES IN ACRE-FEET — Midnight Storage Recapitulation — Year: 2022

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	52,671	60,153	64,095	65,202	71,506	80,448	70,650	48,858	43,364	39,441	36,368	38,698
2	52,671	60,299	64,065	65,295	71,573	80,018	69,834	48,583	43,112	39,292	36,449	38,846
3	52,618	60,445	64,004	65,512	71,805	79,445	69,153	48,235	42,839	39,079	36,570	38,888
4	53,149	60,591	64,034	65,668	72,204	78,983	68,414	47,962	42,612	38,909	36,692	39,079
5	53,443	60,827	63,973	66,073	72,504	78,557	67,807	48,235	42,296	38,761	36,773	39,463
6	53,764	61,004	64,004	66,543	72,839	78,169	67,173	48,658	41,936	38,655	36,915	39,698
7	53,980	61,122	63,973	67,046	73,342	77,746	66,606	48,908	41,579	38,530	37,119	39,828
8	54,412	61,270	63,912	67,648	73,984	77,430	65,948	48,983	41,203	38,403	37,530	39,979
9	54,657	61,447	63,729	68,254	74,392	77,291	65,326	48,883	40,982	38,257	37,965	40,217
10	54,929	61,595	63,790	68,896	74,631	77,186	64,678	48,708	40,872	38,173	38,236	40,456
11	55,175	61,803	63,729	69,834	74,768	77,186	64,034	48,608	40,828	38,027	38,424	41,092
12	55,368	62,071	63,668	70,160	74,768	77,116	63,365	48,383	40,850	37,944	38,614	41,579
13	55,670	62,400	63,486	70,323	74,802	77,081	62,611	48,110	40,806	37,882	38,888	41,958
14	55,919	62,611	63,547	70,323	74,835	76,976	61,863	47,863	40,741	37,757	39,079	42,273
15	56,168	62,941	63,486	70,716	74,938	76,767	61,092	47,642	40,631	37,674	39,122	42,589
16	56,446	63,092	63,607	70,618	75,109	76,558	60,241	47,396	40,522	37,551	39,100	42,907
17	56,669	63,214	63,668	70,781	75,487	75,900	59,572	47,103	40,478	37,468	39,037	43,181
18	56,921	63,365	63,607	70,716	76,039	75,591	58,850	46,859	40,434	37,427	39,037	43,433
19	57,202	63,456	63,517	70,716	76,558	75,247	58,164	46,641	40,347	37,365	39,037	43,686
20	57,484	63,547	63,517	70,650	77,221	74,904	57,456	46,424	40,260	37,304	38,994	43,894
21	57,766	63,638	63,486	70,650	77,922	74,460	56,669	46,134	40,152	37,181	38,952	44,172
22	57,936	63,851	63,486	70,847	78,309	74,120	55,753	45,871	40,065	37,058	38,973	44,382
23	58,193	63,912	63,486	71,012	78,734	73,917	55,093	45,537	40,044	36,915	38,930	44,640
24	58,449	63,943	63,638	71,177	79,125	73,782	54,385	45,252	40,065	36,854	38,930	44,851
25	58,707	64,004	63,851	71,276	79,552	73,511	53,630	45,087	40,065	36,732	38,888	45,110
26	58,937	64,095	64,065	71,243	79,982	73,241	52,909	44,851	39,979	36,651	38,888	45,347
27	59,195	64,157	64,370	71,210	80,484	72,805	52,091	44,663	39,871	36,570	38,825	45,871
28	59,398	64,126	64,616	71,210	80,773	72,403	51,281	44,452	39,741	36,489	38,803	47,912
29	59,601	-	64,894	71,375	81,062	71,938	50,609	44,196	39,656	36,429	38,761	48,958
30	59,804	-	65,017	71,408	80,954	71,309	50,020	43,941	39,549	36,409	38,740	49,867
31	59,949	-	65,140	-	80,737	-	49,411	43,640	-	36,409	-	51,047
MAXIMUM DAY	59,949	64,157	65,140	71,408	81,062	80,448	70,650	48,983	43,364	39,441	39,122	51,047
MINIMUM DAY	52,618	60,153	63,486	65,202	71,506	71,309	49,411	43,640	39,549	36,409	36,368	38,698

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

JANUARY 2022

DAY	ISABELLA RESERVOIR ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET	MIDNIGHT STORAGE S.F.D.	LOSS	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 Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) TOTAL	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT KERN RIVER	SECOND POINT GROUP FLOW AT 2ND POINT FRIANT-KERN	FRIANT-KERN INFLOW	DAY
Previous Day	2532.67	52,644	26,541	5	402	1	403	314	314	26,541	11,323	2	0	0	0	0	
1	2532.68	52,671	26,555	8	420	3	423	445	430	26,540	11,322	4	0	0	0	0	1
2	2532.68	52,671	26,555	9	391	1	392	401	341	26,480	11,262	4	0	0	0	0	2
3	2532.66	52,618	26,528	10	194	1	195	178	340	26,615	11,397	5	0	0	0	0	3
4	2532.86	53,149	26,796	14	156	1	157	439	315	26,759	11,541	6	0	0	0	0	4
5	2532.97	53,443	26,944	5	176	0	176	329	359	26,937	11,719	2	0	0	0	0	5
6	2533.09	53,764	27,106	8	139	1	140	310	301	27,090	11,872	4	0	0	0	0	6
7	2533.17	53,980	27,215	7	145	1	146	262	317	27,254	12,036	3	0	0	0	0	7
8	2533.33	54,412	27,433	9	153	0	153	380	313	27,405	12,187	4	0	0	0	0	8
9	2533.42	54,657	27,556	17	155	0	155	295	328	27,561	12,343	8	0	0	0	0	9
10	2533.52	54,929	27,693	16	153	3	156	309	298	27,687	12,469	7	0	0	0	0	10
11	2533.61	55,175	27,817	15	150	1	151	290	287	27,808	12,590	7	0	0	0	0	11
12	2533.68	55,368	27,915	17	148	0	148	263	290	27,933	12,715	7	0	0	0	0	12
13	2533.79	55,670	28,067	9	157	0	157	318	290	28,057	12,839	4	0	0	0	0	13
14	2533.88	55,919	28,193	15	148	0	148	289	300	28,194	12,976	7	0	0	0	0	14
15	2533.97	56,168	28,318	18	150	1	151	294	296	28,321	13,103	8	0	0	0	0	15
16	2534.07	56,446	28,458	16	150	0	150	306	293	28,448	13,230	7	0	0	0	0	16
17	2534.15	56,669	28,571	11	153	1	154	278	292	28,575	13,357	5	0	0	0	0	17
18	2534.24	56,921	28,698	10	155	1	156	293	292	28,701	13,483	4	0	0	0	0	18
19	2534.34	57,202	28,839	8	155	0	155	304	302	28,840	13,622	3	0	0	0	0	19
20	2534.44	57,484	28,982	11	151	3	154	308	306	28,981	13,763	5	0	0	0	0	20
21	2534.54	57,766	29,124	15	147	1	148	305	289	29,107	13,889	6	0	0	0	0	21
22	2534.60	57,936	29,209	18	149	2	151	254	285	29,223	14,005	7	0	0	0	0	22
23	2534.69	58,193	29,339	13	152	1	153	296	283	29,340	14,122	5	0	0	0	0	23
24	2534.78	58,449	29,468	12	159	0	159	300	293	29,462	14,244	5	0	0	0	0	24
25	2534.87	58,707	29,598	12	140	1	141	283	284	29,593	14,375	5	0	0	0	0	25
26	2534.95	58,937	29,714	17	137	0	137	270	281	29,720	14,502	7	0	0	0	0	26
27	2535.04	59,195	29,844	15	144	0	144	289	279	29,840	14,622	6	0	0	0	0	27
28	2535.11	59,398	29,947	21	152	1	153	277	276	29,942	14,724	8	0	0	0	0	28
29	2535.18	59,601	30,049	14	145	0	145	261	265	30,048	14,830	6	0	0	0	0	29
30	2535.25	59,804	30,151	12	141	3	144	258	259	30,151	14,933	5	0	0	0	0	30
31	2535.30	59,949	30,224	5	135	0	135	213	213	30,224	15,006	2	0	0	0	0	31
TOTAL SECOND FOOT DAYS				387	5,200	27	5,227	9,297	9,297	30,224	15,006	166	0	0	0	0	
TOTAL ACRE-FEET				768	10,314	53	10,367	18,440	18,440	59,949	29,765	329	0	0	0	0	

By: MC Date: February 21, 2022

JANUARY 2022

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT								HACIENDA WATER DISTRICT						
							FLOW				FLOW ABOVE 1ST PT. CARMEL			ENTITLEMENT		FLOW				
	ENT'L	FLOW	FLOW ABOVE			ENT'L					La			Contributed by:		FOR	FOR	RESERVOIR		
DAY	AT 1ST POINT	AT 1ST POINT	1ST POINT	RESERVOIR LOSS	RESERVOIR STORAGE	AT 1ST POINT	VIA KDWD	VIA CAWELO	VIA KWB	AT 2ND POINT	HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE	NKWSD	BVWSD	ID#4	KCWA	LOSS	STORAGE	DAY
Previous Day	314	402	1	4	7,662	0	0	0	0	0	0	1	3,661					0	0	
1	430	420	3	6	7,663	0	0	0	0	0	0	2	3,659					0	0	1
2	341	391	1	6	7,606	0	0	0	0	0	0	3	3,656					0	0	2
3	340	194	1	7	7,744	0	0	0	0	0	0	3	3,653					0	0	3
4	315	156	1	10	7,892	0	0	0	0	0	0	4	3,649					0	0	4
5	359	176	0	4	8,071	0	0	0	0	0	0	1	3,648					0	0	5
6	301	139	1	6	8,226	0	0	0	0	0	0	2	3,646					0	0	6
7	317	145	1	5	8,392	0	0	0	0	0	0	2	3,644					0	0	7
8	313	153	0	6	8,546	0	0	0	0	0	0	3	3,641					0	0	8
9	328	155	0	12	8,707	0	0	0	0	0	0	5	3,636					0	0	9
10	298	153	3	12	8,837	0	0	0	0	0	0	4	3,632					0	0	10
11	287	150	1	11	8,962	0	0	0	0	0	0	4	3,628					0	0	11
12	290	148	0	12	9,092	0	0	0	0	0	0	5	3,623					0	0	12
13	290	157	0	7	9,218	0	0	0	0	0	0	2	3,621					0	0	13
14	300	148	0	11	9,359	0	0	0	0	0	0	4	3,617					0	0	14
15	296	150	1	13	9,491	0	0	0	0	0	0	5	3,612					0	0	15
16	293	150	0	12	9,622	0	0	0	0	0	0	4	3,608					0	0	16
17	292	153	1	8	9,752	0	0	0	0	0	0	3	3,605					0	0	17
18	292	155	1	7	9,881	0	0	0	0	0	0	3	3,602					0	0	18
19	302	155	0	6	10,022	0	0	0	0	0	0	2	3,600					0	0	19
20	306	151	3	8	10,166	0	0	0	0	0	0	3	3,597					0	0	20
21	289	147	1	11	10,296	0	0	0	0	0	0	4	3,593					0	0	21
22	285	149	2	13	10,417	0	0	0	0	0	0	5	3,588					0	0	22
23	283	152	1	10	10,537	0	0	0	0	0	0	3	3,585					0	0	23
24	293	159	0	9	10,662	0	0	0	0	0	0	3	3,582					0	0	24
25	284	140	1	9	10,796	0	0	0	0	0	0	3	3,579					0	0	25
26	281	137	0	13	10,927	0	0	0	0	0	0	4	3,575					0	0	26
27	279	144	0	11	11,051	0	0	0	0	0	0	4	3,571					0	0	27
28	276	152	1	16	11,158	0	0	0	0	0	0	5	3,566					0	0	28
29	265	145	0	11	11,267	0	0	0	0	0	0	3	3,563					0	0	29
30	259	141	3	9	11,373	0	0	0	0	0	0	3	3,560					0	0	30
31	213	135	0	4	11,447	0	0	0	0	0	0	1	3,559					0	0	31
S.F.D.	9,297	5,200	27	285	11,447	0	0	0	0	0	0	102	3,559					0	0	***S.F.D.***
AC.FT.	18,440	10,314	53	566	22,705	0	0	0	0	0	0	202	7,060					0	0	***AC.FT.***

TOTAL ACRE-FOOT STORAGE DAYS 589,448

TOTAL ACRE-FOOT STORAGE DAYS 221,946

TOTAL ACRE-FOOT STORAGE DAYS 0

JANUARY 2022

*WATERMASTER NOTES *** KERN RIVER BULLETIN*

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

SNOW SURVEY DATA FOR KERN RIVER BASIN

FEBRUARY 1, 2022

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	28-Jan	32.5	11.5	42%
Bighorn Plateau		250	11350	21.8	27-Jan	34.5	13	60%
Cottonwood Pass		251	11050	14.2	24-Jan	16.5	5.5	39%
Siberian Pass		252	10900	18.5	25-Jan	27	10	54%
Crabtree Meadow		253	10700	18.8	27-Jan	29	10.0	53%
Crabtree Meadow		253	10700	19.8	27-Jan	29	10.0	51%
Guyot Flat		254	10650	19.9	26-Jan	30	11	55%
Tyndall Creek		255	10650	18.9	28-Jan	32	11	58%
Sandy Meadows		275	10650	18.2	27-Jan	28.5	9.5	52%
Chagoopa Plateau		514	10300	21.8				
Big Whitney Meadow		257	9750	15.9	25-Jan	30.5	10.5	66%
Rock Creek		256	9600	17.1	26-Jan	33	10.5	61%
Pascoe		569	9150	24.9				
Round Meadow		258	9000	23.8				
Wet Meadow		518	8950	30.3				
Tunnel Guard		830	8900	15.6	1-Feb	24.5	8.5	54%
Ramshaw Meadows		259	8700	11.2	2-Feb	26.5	8.5	76%
Little Whitney Meadow		260	8500	13.5	1-Feb	30.5	10.5	78%
Quinn Ranger Station		264	8350	18.9				
Bonita Meadows		261	8300	13.4	28-Jan	30	10.5	78%
Casa Vieja Meadows		262	8300	19.3	27-Jan	36.5	13	67%
Casa Vieja Meadows		262	8300	20.9				
Beach Meadows		265	7650	8.1	27-Jan	18	5.5	68%
Beach Meadows		860	7650	11				
Dead Horse Meadow		249	7300	10.2	2-Feb	18.5	8.0	78%

CALIFORNIA COOPERATIVE SNOW SURVEYS FORECAST as of FEBRUARY 1, 2022 for KERN RIVER INFLOW TO ISABELLA RESERVOIR...

April-July = 300,000 acre-feet (70% of Average) * Water Year = 460,000 acre-feet (68% of Average)**

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

April-July = 180,000 AcFt (39% of Average) to 590,000 AcFt (129% of Average)

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

FEBRUARY 2022

DAY	ISABELLA RESERVOIR ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET	MIDNIGHT STORAGE S.F.D.	LOSS	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 Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) TOTAL	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT KERN RIVER	SECOND POINT GROUP FLOW AT 2ND POINT FRIANT-KERN	FRIANT-KERN INFLOW	DAY
Previous Day	2535.30	59,949	30,224	5	135	0	135	213	213	30,224	15,006	2	0	0	0	0	
1	2535.37	60,153	30,327	9	163	1	164	276	263	30,314	15,096	4	0	0	0	0	1
2	2535.42	60,299	30,401	10	153	0	153	237	251	30,402	15,184	4	0	0	0	0	2
3	2535.47	60,445	30,474	11	155	2	157	241	240	30,474	15,256	4	0	0	0	0	3
4	2535.52	60,591	30,548	16	151	2	153	243	251	30,556	15,338	6	0	0	0	0	4
5	2535.60	60,827	30,667	11	136	1	137	267	242	30,650	15,432	4	0	0	0	0	5
6	2535.66	61,004	30,756	14	111	1	112	215	230	30,754	15,536	6	0	0	0	0	6
7	2535.70	61,122	30,816	17	132	0	132	209	224	30,829	15,611	7	0	0	0	0	7
8	2535.75	61,270	30,890	13	159	3	162	249	241	30,895	15,677	5	0	0	0	0	8
9	2535.81	61,447	30,980	15	160	0	160	265	256	30,976	15,758	6	0	0	0	0	9
10	2535.86	61,595	31,054	15	163	1	164	253	274	31,071	15,853	6	0	0	0	0	10
11	2535.93	61,803	31,159	14	183	1	184	303	294	31,167	15,949	5	0	0	0	0	11
12	2536.02	62,071	31,294	19	170	1	171	325	318	31,295	16,077	7	0	0	0	0	12
13	2536.13	62,400	31,460	17	141	1	142	325	308	31,444	16,226	7	0	0	0	0	13
14	2536.20	62,611	31,566	15	152	2	154	275	319	31,594	16,376	6	0	0	0	0	14
15	2536.31	62,941	31,733	12	178	0	178	357	303	31,707	16,489	5	0	0	0	0	15
16	2536.36	63,092	31,809	12	190	0	190	278	310	31,815	16,597	5	0	0	0	0	16
17	2536.40	63,214	31,870	16	217	2	219	296	303	31,883	16,665	6	0	0	0	0	17
18	2536.45	63,365	31,947	16	240	1	241	334	308	31,934	16,716	6	0	0	0	0	18
19	2536.48	63,456	31,992	21	228	1	229	295	302	31,986	16,768	8	0	0	0	0	19
20	2536.51	63,547	32,038	14	215	2	217	277	281	32,036	16,818	5	0	0	0	0	20
21	2536.54	63,638	32,084	13	212	0	212	271	291	32,102	16,884	5	0	0	0	0	21
22	2536.61	63,851	32,192	7	209	0	209	324	285	32,171	16,953	3	0	0	0	0	22
23	2536.63	63,912	32,222	6	221	3	224	260	278	32,219	17,001	2	0	0	0	0	23
24	2536.64	63,943	32,238	11	222	0	222	249	261	32,247	17,029	4	0	0	0	0	24
25	2536.66	64,004	32,269	12	230	2	232	275	270	32,273	17,055	4	0	0	0	0	25
26	2536.69	64,095	32,315	15	225	1	226	287	277	32,309	17,091	6	0	0	0	0	26
27	2536.71	64,157	32,346	15	221	1	222	268	274	32,346	17,128	6	0	0	0	0	27
28	2536.71	64,126	32,330	18	213	0	213	215	215	32,330	17,112	7	0	0	0	0	28
TOTAL SECOND FOOT DAYS				384	5,150	29	5,179	7,669	7,669	32,330	17,112	149	0	0	0	0	
TOTAL ACRE-FEET				762	10,215	57	10,272	15,211	15,211	64,126	33,942	296	0	0	0	0	

By: MC Date: March 16, 2022

FEBRUARY 2022

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT							HACIENDA WATER DISTRICT						
							FLOW			FLOW ABOVE 1ST PT. CARMEL			ENTITLEMENT		FLOW				
	ENT'L	FLOW	FLOW ABOVE	RESERVOIR		ENT'L	VIA	VIA	AT 2ND	La	RESERVOIR		Contributed by:		FOR	FOR	RESERVOIR		
DAY	AT 1ST POINT	AT 1ST POINT	1ST POINT	LOSS	STORAGE	AT 1ST POINT	KDWD	CWD	POINT	HACIENDA INC.	LOSS	STORAGE	NKWSD	BVWSD	ID#4	KCWA	LOSS	STORAGE	DAY
Previous Day	213	135	0	4	11,447	0	0	0	0	0	1	3,559					0	0	
1	263	163	1	7	11,539	0	0	0	0	0	2	3,557					0	0	1
2	251	153	0	8	11,629	0	0	0	0	0	2	3,555					0	0	2
3	240	155	2	8	11,704	0	0	0	0	0	3	3,552					0	0	3
4	251	151	2	12	11,790	0	0	0	0	0	4	3,548					0	0	4
5	242	136	1	8	11,887	0	0	0	0	0	3	3,545					0	0	5
6	230	111	1	11	11,994	0	0	0	0	0	3	3,542					0	0	6
7	224	132	0	13	12,073	0	0	0	0	0	4	3,538					0	0	7
8	241	159	3	10	12,142	0	0	0	0	0	3	3,535					0	0	8
9	256	160	0	11	12,227	0	0	0	0	0	4	3,531					0	0	9
10	274	163	1	11	12,326	0	0	0	0	0	4	3,527					0	0	10
11	294	183	1	11	12,425	0	0	0	0	0	3	3,524					0	0	11
12	318	170	1	15	12,557	0	0	0	0	0	4	3,520					0	0	12
13	308	141	1	13	12,710	0	0	0	0	0	4	3,516					0	0	13
14	319	152	2	12	12,863	0	0	0	0	0	3	3,513					0	0	14
15	303	178	0	9	12,979	0	0	0	0	0	3	3,510					0	0	15
16	310	190	0	9	13,090	0	0	0	0	0	3	3,507					0	0	16
17	303	217	2	12	13,162	0	0	0	0	0	4	3,503					0	0	17
18	308	240	1	12	13,217	0	0	0	0	0	4	3,499					0	0	18
19	302	228	1	16	13,274	0	0	0	0	0	5	3,494					0	0	19
20	281	215	2	11	13,327	0	0	0	0	0	3	3,491					0	0	20
21	291	212	0	10	13,396	0	0	0	0	0	3	3,488					0	0	21
22	285	209	0	5	13,467	0	0	0	0	0	2	3,486					0	0	22
23	278	221	3	5	13,516	0	0	0	0	0	1	3,485					0	0	23
24	261	222	0	9	13,546	0	0	0	0	0	2	3,483					0	0	24
25	270	230	2	9	13,575	0	0	0	0	0	3	3,480					0	0	25
26	277	225	1	12	13,614	0	0	0	0	0	3	3,477					0	0	26
27	274	221	1	12	13,654	0	0	0	0	0	3	3,474					0	0	27
28	215	213	0	14	13,642	0	0	0	0	0	4	3,470					0	0	28
S.F.D.	7,669	5,150	29	295	13,642	0	0	0	0	0	89	3,470					0	0	S.F.D.
AC.FT.	15,211	10,215	57	585	27,059	0	0	0	0	0	177	6,883					0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 708,744

TOTAL ACRE-FOOT STORAGE DAYS 195,074

TOTAL ACRE-FOOT STORAGE DAYS 0

FEBRUARY 2022
*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	1986-87	2.03
1950-51	0.18	1987-88	0.40
1951-52	0.37	1988-89	2.24
1952-53	**0.04**	1989-90	1.00
1953-54	2.26	1990-91	1.17
1954-55	1.05	1991-92	3.10
1955-56	0.26	1992-93	4.15
1956-57	0.96	1993-94	3.10
1957-58	4.45	1994-95	1.35
1958-59	1.54	1995-96	5.03
1959-60	6.48	1996-97	0.13
1960-61	0.01	1997-98	10.6
1961-62	5.35	1998-99	0.51
1962-63	3.06	1999-00	3.98
1963-64	**0.07**	2000-01	3.16
1964-65	0.27	2001-02	0.32
1965-66	0.75	2002-03	1.70
1966-67	**0.02**	2003-04	3.04
1967-68	0.85	2004-05	0.99
1968-69	6.12	2005-06	1.38
1969-70	0.54	2006-07	1.84
1970-71	0.37	2007-08	5.96
1971-72	0.39	2008-09	2.25
1972-73	2.57	2009-10	2.96
1973-74	0.09	2010-11	1.23
1974-75	1.82	2011-12	0.41
1975-76	1.25	2012-13	0.19
1976-77	1.04	2013-14	1.10
1977-78	7.44	2014-15	1.59
1978-79	3.22	2015-16	0.39
1979-80	4.32	2016-17	3.56
1980-81	1.49	**2017-18**	**0.01**
1981-82	1.15	2018-19	5.04
1982-83	4.36	2019-20	0.13
1983-84	1.13	**2020-21**	**0.06**
1984-85	1.16	**2021-22**	**0.07**
1985-86	3.58		

February Average= 2.04 inches
Maximum = 10.60 inches (1997-1998)
Minimum = 0.01 inches (2017-2018)
Daily Maximum = 3.58 inches on 02-03-2008
2021 - 2022 was 6th driest February (1949-To Date)

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

MARCH 2022

	ISABELLA RESERVOIR				FLOW	FLOW	FIRST POINT	CHANGE IN STORAGE+LOSS +1ST POINT	COMPUTED 1ST POINT	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)		KERN COUNTY	TOTAL FLOW AT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN	
	ELEVATION	MIDNIGHT STORAGE			AT 1ST	ABOVE	REGULATED	REGULATED	NATURAL			RECREATION	SECOND	KERN	FRIANT-	INFLOW	
DAY	(FEET)	ACRE-FEET	S.F.D.	LOSS	POINT	1ST POINT	FLOW	FLOW	FLOW	TOTAL	IRRIGATION	POOL LOSS	POINT	RIVER	KERN		DAY
Previous Day	2536.71	64,126	32,330	18	213	0	213	215	215	32,330	17,112	7	0	0	0	0	
1	2536.69	64,095	32,315	17	227	3	230	232	244	32,327	17,109	6	0	0	0	0	1
2	2536.68	64,065	32,299	19	261	3	264	267	248	32,292	17,074	7	0	0	0	0	2
3	2536.66	64,004	32,269	16	258	1	259	245	266	32,283	17,065	6	0	0	0	0	3
4	2536.67	64,034	32,284	10	261	1	262	287	262	32,273	17,055	4	0	0	0	0	4
5	2536.65	63,973	32,253	10	275	1	276	255	277	32,264	17,046	4	0	0	0	0	5
6	2536.66	64,004	32,269	11	258	2	260	287	269	32,262	17,044	4	0	0	0	0	6
7	2536.65	63,973	32,253	14	265	2	267	265	280	32,261	17,043	5	0	0	0	0	7
8	2536.63	63,912	32,222	16	303	1	304	289	258	32,199	16,981	6	0	0	0	0	8
9	2536.57	63,729	32,130	16	294	1	295	219	282	32,170	16,952	6	0	0	0	0	9
10	2536.59	63,790	32,161	16	288	2	290	337	272	32,136	16,918	6	0	0	0	0	10
11	2536.57	63,729	32,130	17	271	2	273	259	281	32,127	16,909	6	0	0	0	0	11
12	2536.55	63,668	32,099	20	256	2	258	247	233	32,082	16,864	7	0	0	0	0	12
13	2536.49	63,486	32,008	21	260	2	262	192	249	32,048	16,830	8	0	0	0	0	13
14	2536.51	63,547	32,038	20	257	1	258	308	246	32,016	16,798	8	0	0	0	0	14
15	2536.49	63,486	32,008	18	250	1	251	239	290	32,037	16,819	7	0	0	0	0	15
16	2536.53	63,607	32,069	16	244	2	246	323	285	32,060	16,842	6	0	0	0	0	16
17	2536.55	63,668	32,099	18	243	1	244	292	298	32,096	16,878	7	0	0	0	0	17
18	2536.53	63,607	32,069	19	288	2	290	279	286	32,073	16,855	7	0	0	0	0	18
19	2536.50	63,517	32,023	15	315	3	318	287	297	32,037	16,819	6	0	0	0	0	19
20	2536.50	63,517	32,023	12	311	2	313	325	313	32,025	16,807	5	0	0	0	0	20
21	2536.49	63,486	32,008	16	312	14	326	327	335	32,018	16,800	6	0	0	0	0	21
22	2536.49	63,486	32,008	21	317	16	333	354	346	32,010	16,792	8	0	0	0	0	22
23	2536.49	63,486	32,008	23	319	14	333	356	388	32,042	16,824	9	0	0	0	0	23
24	2536.54	63,638	32,084	22	341	15	356	454	438	32,102	16,884	8	7	7	0	0	24
25	2536.61	63,851	32,192	22	360	15	375	505	495	32,200	16,982	8	21	21	0	0	25
26	2536.68	64,065	32,299	24	381	15	396	527	532	32,312	17,094	9	33	33	0	0	26
27	2536.78	64,370	32,453	26	370	15	385	565	540	32,441	17,223	10	35	35	0	0	27
28	2536.86	64,616	32,577	13	378	14	392	529	551	32,587	17,369	5	36	36	0	0	28
29	2536.95	64,894	32,717	13	389	16	405	558	521	32,690	17,472	5	39	39	0	0	29
30	2536.99	65,017	32,779	18	381	15	396	476	503	32,779	17,561	7	41	41	0	0	30
31	2537.03	65,140	32,841	16	393	16	409	487	487	32,841	17,623	6	39	39	0	0	31
TOTAL SECOND FOOT DAYS				535	9,326	200	9,526	10,572	10,572	32,841	17,623	202	251	251	0	0	
TOTAL ACRE-FEET				1,061	18,498	396	18,894	20,969	20,969	65,140	34,956	401	498	498	0	0	

By: MC

Date: April 19, 2022

MARCH 2022

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT							HACIENDA WATER DISTRICT						
							FLOW			FLOW ABOVE 1ST PT. CARMEL			ENTITLEMENT		FLOW				
	ENT'L AT 1ST	FLOW AT 1ST	FLOW ABOVE 1ST	RESERVOIR		ENT'L AT 2ND	VIA	VIA	AT 2ND	La HACIENDA	RESERVOIR		Contributed by:		For	VIA	RESERVOIR		
DAY	POINT	POINT	POINT	LOSS	STORAGE	POINT	KDWD	CWD	POINT	INC.	LOSS	STORAGE	NKWSD	BVWSD	ID4	PIO. P.	LOSS	STORAGE	DAY
Previous Day	280	268	14	12	13,642	0	0	0	0	0	6	3,470					0	0	
1	244	227	3	13	13,643	0	0	0	0	0	4	3,466					0	0	1
2	248	261	3	15	13,612	0	0	0	0	0	4	3,462					0	0	2
3	266	258	1	12	13,607	0	0	0	0	0	4	3,458					0	0	3
4	262	261	1	8	13,599	0	0	0	0	0	2	3,456					0	0	4
5	277	275	1	8	13,592	0	0	0	0	0	2	3,454					0	0	5
6	269	258	2	9	13,592	0	0	0	0	0	2	3,452					0	0	6
7	280	265	2	11	13,594	0	0	0	0	0	3	3,449					0	0	7
8	258	303	1	12	13,536	0	0	0	0	0	4	3,445					0	0	8
9	282	294	1	12	13,511	0	0	0	0	0	4	3,441					0	0	9
10	272	288	2	12	13,481	0	0	0	0	0	4	3,437					0	0	10
11	281	271	2	13	13,476	0	0	0	0	0	4	3,433					0	0	11
12	233	256	2	16	13,435	0	0	0	0	0	4	3,429					0	0	12
13	249	260	2	16	13,406	0	0	0	0	0	5	3,424					0	0	13
14	246	257	1	16	13,378	0	0	0	0	0	4	3,420					0	0	14
15	290	250	1	14	13,403	0	0	0	0	0	4	3,416					0	0	15
16	285	244	2	12	13,430	0	0	0	0	0	4	3,412					0	0	16
17	298	243	1	14	13,470	0	0	0	0	0	4	3,408					0	0	17
18	286	288	2	15	13,451	0	0	0	0	0	4	3,404					0	0	18
19	297	315	3	12	13,418	0	0	0	0	0	3	3,401					0	0	19
20	309	311	2	9	13,405	4	0	0	0	0	3	3,402					0	0	20
21	324	312	14	12	13,391	11	0	0	0	0	4	3,409					0	0	21
22	331	317	16	16	13,373	15	0	0	0	0	5	3,419					0	0	22
23	360	319	14	18	13,382	28	0	0	0	0	5	3,442					0	0	23
24	394	334	15	17	13,410	44	0	0	7	0	5	3,474					0	0	24
25	433	339	15	17	13,472	62	0	0	21	0	5	3,510					0	0	25
26	458	348	15	19	13,548	74	0	0	33	0	5	3,546					0	0	26
27	464	335	15	20	13,642	76	0	0	35	0	6	3,581					0	0	27
28	471	342	14	10	13,747	80	0	0	36	0	3	3,622					0	0	28
29	451	350	16	10	13,822	70	0	0	39	0	3	3,650					0	0	29
30	438	340	15	14	13,891	65	0	0	41	0	4	3,670					0	0	30
31	428	354	16	12	13,937	59	0	0	39	0	4	3,686					0	0	31
S.F.D.	9,984	9,075	200	414	13,937	588	0	0	251	0	121	3,686					0	0	S.F.D.
AC.FT.	19,803	18,000	396	821	27,645	1,166	0	0	498	0	240	7,311					0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 832,371

TOTAL ACRE-FOOT STORAGE DAYS 213,576

TOTAL ACRE-FOOT STORAGE DAYS 0

MARCH 2022

WATERMASTER NOTES *** KERN RIVER BULLETIN

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

SOUTH FORK KERN RIVER Nr. ONYX

2020-2021 WATER YEAR

Discharge in cubic feet per second

Whole Year Runoff (AcFt) = 12,043

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8	13	16	22	28	29	41	25	11	4	5	3
2	8	13	16	24	30	29	40	24	11	4	4	3
3	9	13	17	25	30	28	41	24	10	4	4	3
4	8	14	16	25	28	29	43	23	10	3	4	3
5	9	14	15	25	27	28	43	23	10	3	3	3
6	8	14	15	24	28	29	43	22	9	3	3	3
7	8	14	17	23	28	29	43	21	9	3	3	3
8	8	15	18	24	28	31	41	20	9	3	3	3
9	9	16	18	24	28	32	40	19	8	3	3	3
10	9	14	18	24	32	32	40	19	8	3	3	3
11	10	13	18	24	30	32	39	19	8	3	3	4
12	10	15	16	24	31	30	37	18	8	3	2	4
13	10	17	17	25	34	27	36	17	7	2	2	4
14	10	18	18	26	30	27	36	16	7	3	3	4
15	10	18	19	26	28	33	34	16	6	3	3	4
16	10	18	16	26	30	32	33	15	6	3	3	4
17	10	17	17	26	29	32	32	17	5	3	3	4
18	10	18	18	27	28	34	31	17	5	3	3	4
19	10	19	16	27	27	36	30	17	5	3	3	4
20	10	19	16	26	28	41	29	16	4	3	3	4
21	10	18	17	22	28	49	29	15	4	3	3	4
22	11	18	18	26	27	46	29	15	4	3	4	4
23	11	18	17	28	27	43	29	16	4	3	4	4
24	12	19	15	25	28	41	30	16	4	3	4	4
25	12	18	16	24	29	37	29	15	4	3	4	4
26	12	17	18	23	28	38	29	15	4	3	3	4
27	12	16	20	27	28	38	28	15	4	3	3	4
28	12	15	22	30	29	38	28	14	4	4	3	5
29	12	14	18	30		37	27	13	4	3	3	5
30	13	16	14	27		40	26	12	4	4	3	5
31	13		17	25		42		12		4	3	
TOTAL	314	481	529	784	806	1069	1036	546	196	98	100	113
MAX. DAY	13	19	22	30	34	49	43	25	11	4	5	5
MIN. DAY	8	13	14	22	27	27	26	12	4	2	2	3
MEAN	10	16	17	25	29	34	35	18	7	3	3	4
TOTAL AcFt	623	954	1049	1555	1599	2120	2055	1083	389	194	198	224

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

APRIL 2022

DAY	ISABELLA RESERVOIR ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET	MIDNIGHT STORAGE S.F.D.	LOSS	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 Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) TOTAL	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT KERN RIVER	SECOND POINT GROUP FLOW AT 2ND POINT FRIANT-KERN	FRIANT-KERN INFLOW	DAY
Previous Day	2537.03	65,140	32,841	16	393	16	409	487	487	32,841	17,623	6	39	39	0	0	
1	2537.05	65,202	32,873	20	388	15	403	455	460	32,878	17,660	7	33	33	0	0	1
2	2537.08	65,295	32,920	20	388	15	403	470	484	32,939	17,721	7	10	10	0	0	2
3	2537.15	65,512	33,029	25	379	15	394	528	484	33,004	17,786	9	0	0	0	0	3
4	2537.20	65,668	33,108	26	329	20	349	454	529	33,158	17,940	9	0	0	0	0	4
5	2537.33	66,073	33,312	23	363	14	377	604	563	33,321	18,103	8	18	18	0	0	5
6	2537.48	66,543	33,549	25	353	15	368	630	630	33,558	18,340	9	20	20	0	0	6
7	2537.64	67,046	33,802	35	352	16	368	656	661	33,816	18,598	12	16	16	0	0	7
8	2537.83	67,648	34,106	32	346	15	361	697	679	34,102	18,884	11	14	14	0	0	8
9	2538.02	68,254	34,411	31	334	15	349	685	700	34,422	19,204	11	13	13	0	0	9
10	2538.22	68,896	34,735	30	345	19	364	718	757	34,785	19,567	10	12	12	0	0	10
11	2538.51	69,834	35,208	21	359	14	373	867	710	35,101	19,883	7	13	13	0	0	11
12	2538.61	70,160	35,372	19	360	2	362	545	621	35,341	20,123	6	9	9	0	0	12
13	2538.66	70,323	35,455	23	343	2	345	451	466	35,439	20,221	8	11	11	0	0	13
14	2538.66	70,323	35,455	26	374	3	377	403	494	35,530	20,312	9	46	46	0	0	14
15	2538.78	70,716	35,653	26	403	2	405	629	463	35,562	20,344	9	74	74	0	0	15
16	2538.75	70,618	35,603	20	386	1	387	357	493	35,648	20,430	7	83	83	0	0	16
17	2538.80	70,781	35,685	27	381	2	383	492	410	35,648	20,430	9	85	85	0	0	17
18	2538.78	70,716	35,653	29	380	4	384	381	429	35,664	20,446	10	85	85	0	0	18
19	2538.78	70,716	35,653	23	389	3	392	415	403	35,652	20,434	8	84	84	0	0	19
20	2538.76	70,650	35,619	26	414	6	420	412	429	35,635	20,417	9	86	86	0	0	20
21	2538.76	70,650	35,619	22	434	3	437	459	468	35,644	20,426	7	95	95	0	0	21
22	2538.82	70,847	35,719	17	414	1	415	532	495	35,707	20,489	6	95	95	0	0	22
23	2538.87	71,012	35,802	21	390	1	391	495	509	35,804	20,586	7	94	94	0	0	23
24	2538.92	71,177	35,885	24	390	2	392	499	488	35,876	20,658	8	93	93	0	0	24
25	2538.95	71,276	35,935	29	389	2	391	470	464	35,920	20,702	10	92	92	0	0	25
26	2538.94	71,243	35,918	29	411	1	412	424	446	35,925	20,707	10	91	91	0	0	26
27	2538.93	71,210	35,902	31	425	4	429	444	442	35,907	20,689	10	90	90	0	0	27
28	2538.93	71,210	35,902	27	428	2	430	457	481	35,931	20,713	9	93	93	0	0	28
29	2538.98	71,375	35,985	28	430	2	432	543	514	35,985	20,767	9	92	92	0	0	29
30	2538.99	71,408	36,002	28	429	6	435	480	480	36,002	20,784	9	90	90	0	0	30
TOTAL SECOND FOOT DAYS				763	11,506	222	11,728	15,652	15,652	36,002	20,784	260	1,637	1,637	0	0	
TOTAL ACRE-FEET				1,514	22,822	441	23,263	31,045	31,045	71,408	41,224	516	3,247	3,247	0	0	

By: MC Date: June 9, 2022

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

APRIL 2022

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT							HACIENDA WATER DISTRICT						
							FLOW			FLOW ABOVE 1ST PT. CARMEL			ENTITLEMENT		FLOW				
	ENT'L AT 1ST	FLOW AT 1ST	FLOW ABOVE 1ST	RESERVOIR		ENT'L AT 2ND	VIA	VIA	AT 2ND	La	RESERVOIR		Contributed by:		For	VIA	RESERVOIR		
DAY	POINT	POINT	POINT	LOSS	STORAGE	POINT	KDWD	CWD	POINT	HACIENDA INC.	LOSS	STORAGE	NKWSD	BVWSD	ID#4	Pio. Pro.	LOSS	STORAGE	DAY
Previous Day	428	354	16	12	13,937	59	0	0	39	0	4	3,686					0	0	
1	409	355	15	16	13,960	51	0	0	33	0	4	3,700					0	0	1
2	425	318	15	16	14,036	59	0	60	10	0	4	3,685					0	0	2
3	425	319	15	19	14,108	59	0	60	0	0	6	3,678					0	0	3
4	456	329	20	20	14,195	73	0	0	0	0	6	3,745					0	0	4
5	479	345	14	18	14,297	84	0	0	18	0	5	3,806					0	0	5
6	525	333	15	19	14,455	105	0	0	20	0	6	3,885					0	0	6
7	546	336	16	27	14,622	115	0	0	16	0	8	3,976					0	0	7
8	558	332	15	25	14,808	121	0	0	14	0	7	4,076					0	0	8
9	573	321	15	24	15,021	127	0	0	13	0	7	4,183					0	0	9
10	612	333	19	23	15,258	145	0	0	12	0	7	4,309					0	0	10
11	580	346	14	16	15,462	130	0	0	13	0	5	4,421					0	0	11
12	519	351	2	15	15,613	102	0	0	9	0	4	4,510					0	0	12
13	413	332	2	18	15,674	53	0	0	11	0	5	4,547					0	0	13
14	432	328	3	20	15,755	62	0	0	46	0	6	4,557					0	0	14
15	411	329	2	20	15,815	52	0	0	74	0	6	4,529					0	0	15
16	432	303	1	15	15,928	61	0	0	83	0	5	4,502					0	0	16
17	375	296	2	21	15,984	35	0	0	85	0	6	4,446					0	0	17
18	388	295	4	22	16,051	41	0	0	85	0	7	4,395					0	0	18
19	370	305	3	18	16,095	33	0	0	84	0	5	4,339					0	0	19
20	388	328	6	20	16,129	41	0	0	86	0	6	4,288					0	0	20
21	415	339	3	17	16,185	53	0	0	95	0	5	4,241					0	0	21
22	433	319	1	13	16,285	62	0	0	95	0	4	4,204					0	0	22
23	443	296	1	16	16,415	66	0	0	94	0	5	4,171					0	0	23
24	428	297	2	19	16,525	60	0	0	93	0	5	4,133					0	0	24
25	412	297	2	23	16,615	52	0	0	92	0	6	4,087					0	0	25
26	400	320	1	23	16,671	46	0	0	91	0	6	4,036					0	0	26
27	397	335	4	24	16,705	45	0	0	90	0	7	3,984					0	0	27
28	423	335	2	21	16,770	58	0	0	93	0	6	3,943					0	0	28
29	446	338	2	22	16,854	68	0	0	92	0	6	3,913					0	0	29
30	423	339	6	22	16,910	57	0	0	90	0	6	3,874					0	0	30
S.F.D.	13,536	9,749	222	592	16,910	2,116	0	120	1,637	0	171	3,874					0	0	S.F.D.
AC.FT.	26,848	19,337	441	1,175	33,540	4,197	0	238	3,247	0	339	7,684					0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 930,646

TOTAL ACRE-FOOT STORAGE DAYS 246,274

TOTAL ACRE-FOOT STORAGE DAYS 0

APRIL 2022

*WATERMASTER NOTES *** KERN RIVER BULLETIN*

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

KERN RIVER AT BEARDSLEY RIVER WEIR

KERN RIVER BASIN

APRIL 1, 2022 WATER CONTENT IN INCHES

	SWE	APRIL 1 AVERAGE
BIGHORN PLATEAU	11.5	*53%*
COTTONWOOD PASS		
SIBERIAN PASS	6.5	*35%*
CREABTREE MEADOW	6.0	*32%*
GUYOT FLAT	7.5	*38%*
SANDY MEADOWS	7.5	*41%*
TYNDALL CREEK	10.0	*53%*
BIG WHITNEY MEADOW	5.0	*31%*
ROCK CREEK	5.0	*29%*
ROUND MEADOW	9.5	*40%*
RAMSHAW MEADOW	0.5	*4%*
LITTLE WHITNEY MEADOW	2.5	*19%*
CASA VIEJA MEADOWS	6.0	*31%*
QUINN RANGER STATION	13.5	*8%*
BEACH MEADOWS	0.0	*0%*
BONITA MEADOWS	1.0	*7%*
DEAD HORSE MEADOW	0.0	*0%*

APRIL 1: 26%

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

MAY 2022

DAY	ISABELLA RESERVOIR ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET	S.F.D.	LOSS	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 Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) TOTAL	IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT KERN RIVER	FRIANT-KERN	FRIANT-KERN INFLOW	DAY
Previous Day	2538.99	71,408	36,002	28	429	6	435	480	480	36,002	20,784	11	90	90	0	0	
1	2539.02	71,506	36,051	30	426	6	432	511	512	36,052	20,834	10	101	101	0	0	1
2	2539.04	71,573	36,085	29	444	6	450	513	544	36,117	20,899	10	101	101	0	0	2
3	2539.11	71,805	36,202	31	454	7	461	609	594	36,219	21,001	10	97	97	0	0	3
4	2539.23	72,204	36,403	34	419	6	425	660	610	36,370	21,152	11	52	52	0	0	4
5	2539.32	72,504	36,554	35	366	10	376	562	604	36,563	21,345	11	0	0	0	0	5
6	2539.42	72,839	36,723	37	375	10	385	591	601	36,742	21,524	12	0	0	0	0	6
7	2539.57	73,342	36,977	20	365	11	376	650	650	36,996	21,778	6	0	0	0	0	7
8	2539.76	73,984	37,300	25	353	9	362	710	657	37,266	22,048	8	0	0	0	0	8
9	2539.88	74,392	37,506	23	375	8	383	612	619	37,479	22,261	7	0	0	0	0	9
10	2539.95	74,631	37,626	23	383	10	393	536	542	37,605	22,387	7	0	0	0	0	10
11	2539.99	74,768	37,696	24	378	7	385	479	478	37,674	22,456	7	0	0	0	0	11
12	2539.99	74,768	37,696	29	382	8	390	419	448	37,703	22,485	9	0	0	0	0	12
13	2540.00	74,802	37,713	36	383	10	393	446	437	37,711	22,493	11	0	0	0	0	13
14	2540.01	74,835	37,729	36	379	14	393	445	456	37,738	22,520	11	0	0	0	0	14
15	2540.04	74,938	37,781	34	381	9	390	476	478	37,792	22,574	11	0	0	0	0	15
16	2540.09	75,109	37,867	42	377	7	384	512	536	37,902	22,684	13	0	0	0	0	16
17	2540.20	75,487	38,058	41	379	10	389	621	612	38,084	22,866	13	0	0	0	0	17
18	2540.36	76,039	38,336	34	376	16	392	704	670	38,328	23,110	10	0	0	0	0	18
19	2540.51	76,558	38,598	41	371	10	381	684	720	38,626	23,408	12	0	0	0	0	19
20	2540.70	77,221	38,932	40	385	12	397	771	747	38,936	23,718	12	0	0	0	0	20
21	2540.90	77,922	39,286	36	384	12	396	786	722	39,226	24,008	11	0	0	0	0	21
22	2541.01	78,309	39,481	40	361	14	375	610	685	39,496	24,278	12	0	0	0	0	22
23	2541.13	78,734	39,695	44	379	22	401	659	635	39,686	24,468	13	0	0	0	0	23
24	2541.24	79,125	39,892	42	382	14	396	635	651	39,899	24,681	12	0	0	0	0	24
25	2541.36	79,552	40,107	45	380	18	398	658	652	40,108	24,890	13	0	0	0	0	25
26	2541.48	79,982	40,324	47	384	15	399	663	678	40,340	25,122	14	0	0	0	0	26
27	2541.62	80,484	40,577	41	399	19	418	712	655	40,536	25,318	12	0	0	0	0	27
28	2541.70	80,773	40,723	35	396	14	410	591	636	40,727	25,509	10	0	0	0	0	28
29	2541.78	81,062	40,869	33	410	15	425	604	555	40,824	25,606	9	0	0	0	0	29
30	2541.75	80,954	40,814	38	470	17	487	470	515	40,814	25,596	11	0	0	0	0	30
31	2541.69	80,737	40,705	40	508	16	524	455	455	40,705	25,487	11	0	0	0	0	31
TOTAL SECOND FOOT DAYS				1,085	12,204	362	12,566	18,354	18,354	40,705	25,487	329	351	351	0	0	
TOTAL ACRE-FEET				2,152	24,206	718	24,924	36,405	36,405	80,737	50,553	653	696	696	0	0	

By: MC Date: June 30, 2022

MAY 2022

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT							HACIENDA WATER DISTRICT						
								FLOW			FLOW ABOVE 1ST PT. CARMEL		ENTITLEMENT		FLOW				
	ENT'L	FLOW	FLOW ABOVE	RESERVOIR		ENT'L	VIA	VIA	AT 2ND	La	RESERVOIR		Contributed by:		FOR	VIA	RESERVOIR		
DAY	AT 1ST POINT	AT 1ST POINT	1ST POINT	LOSS	STORAGE	AT 2ND POINT	KDWD	CWD	POINT	HACIENDA INC.	LOSS	STORAGE	NKWSD	BVWSD	ID#4	PIO. PRO.	LOSS	STORAGE	DAY
Previous Day	423	339	6	22	16,910	57	0	0	90	0	6	3,874					0	0	
1	445	325	6	24	17,000	67	0	0	101	0	6	3,834					0	0	1
2	466	343	6	23	17,094	78	0	0	101	0	6	3,805					0	0	2
3	500	357	7	25	17,205	94	0	0	97	0	6	3,796					0	0	3
4	511	367	6	27	17,316	99	0	0	52	0	7	3,836					0	0	4
5	507	366	10	28	17,419	97	0	0	0	0	7	3,926					0	0	5
6	505	375	10	29	17,510	96	0	0	0	0	8	4,014					0	0	6
7	539	365	11	16	17,657	111	0	0	0	0	4	4,121					0	0	7
8	543	353	9	20	17,818	114	0	0	0	0	5	4,230					0	0	8
9	518	375	8	18	17,935	101	0	0	0	0	5	4,326					0	0	9
10	465	383	10	18	17,989	77	0	0	0	0	5	4,398					0	0	10
11	421	378	7	19	18,006	57	0	0	0	0	5	4,450					0	0	11
12	401	382	8	23	17,994	47	0	0	0	0	6	4,491					0	0	12
13	393	383	10	28	17,966	44	0	0	0	0	8	4,527					0	0	13
14	406	379	14	28	17,951	50	0	0	0	0	8	4,569					0	0	14
15	421	381	9	27	17,955	57	0	0	0	0	7	4,619					0	0	15
16	461	377	7	33	17,999	75	0	0	0	0	9	4,685					0	0	16
17	513	379	10	32	18,091	99	0	0	0	0	9	4,775					0	0	17
18	552	376	16	26	18,225	118	0	0	0	0	8	4,885					0	0	18
19	586	371	10	32	18,398	134	0	0	0	0	9	5,010					0	0	19
20	605	385	12	31	18,575	142	0	0	0	0	9	5,143					0	0	20
21	588	384	12	28	18,739	134	0	0	0	0	8	5,269					0	0	21
22	563	361	14	31	18,896	122	0	0	0	0	9	5,382					0	0	22
23	528	379	22	34	18,989	107	0	0	0	0	10	5,479					0	0	23
24	539	382	14	32	19,100	112	0	0	0	0	10	5,581					0	0	24
25	540	380	18	35	19,207	112	0	0	0	0	10	5,683					0	0	25
26	558	384	15	36	19,330	120	0	0	0	0	11	5,792					0	0	26
27	542	399	19	31	19,423	113	0	0	0	0	10	5,895					0	0	27
28	529	396	14	27	19,515	107	0	0	0	0	8	5,994					0	0	28
29	474	410	15	25	19,539	81	0	0	0	0	8	6,067					0	0	29
30	447	470	17	29	19,470	68	0	0	0	0	9	6,126					0	0	30
31	406	508	16	30	19,322	49	0	0	0	0	10	6,165					0	0	31
S.F.D.	15,472	11,853	362	845	19,322	2,882	0	0	351	0	240	6,165					0	0	S.F.D.
AC.FT.	30,689	23,510	718	1,676	38,325	5,716	0	0	696	0	476	12,228					0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 1,125,883

TOTAL ACRE-FOOT STORAGE DAYS 299,252

TOTAL ACRE-FOOT STORAGE DAYS 0

MAY 2022

*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
1	2001	124,417	250,292	54%	49.71%
2	1924	41,722	92,556	20%	45.08%
3	1947	110,325	249,572	54%	44.21%
4	2009	130,352	295,161	64%	44.16%
5	2020	86,350	196,802	43%	43.88%
6	1976	47,151	108,754	23%	43.36%
7	1897	281,639	654,262	141%	43.05%
8	1931	41,867	98,062	21%	42.69%
9	1926	98,598	232,782	50%	42.36%
10	2014	40,042	94,550	20%	42.35%
11	2000	129,406	306,496	66%	42.22%
12	2007	51,267	123,410	27%	41.54%
13	1992	74,394	179,153	39%	41.53%
14	1937	352,050	852,047	184%	41.32%
15	1919	140,215	342,997	74%	40.88%
16	1949	84,508	209,911	45%	40.26%
17	1973	288,652	723,768	156%	39.88%
18	1974	288,652	723,768	156%	39.88%
19	1946	155,476	390,747	84%	39.79%
20	1928	76,885	193,702	42%	39.69%
21	1954	139,719	354,117	76%	39.46%
22	2012	69,671	176,621	38%	39.45%
23	1979	164,935	419,859	91%	39.28%
24	1922	242,259	617,710	133%	39.22%
25	1929	85,995	219,532	47%	39.17%
26	2006	309,409	795,728	172%	38.88%
27	1941	386,666	995,657	215%	38.84%
28	1952	434,769	1,119,815	242%	38.83%
29	1895	268,635	694,729	150%	38.67%
30	1940	196,465	510,614	110%	38.48%
31	2013	39,509	102,915	22%	38.39%
32	1984	161,613	423,132	91%	38.19%
33	1958	316,974	831,669	179%	38.11%
34	1975	147,001	386,180	83%	38.07%
35	1936	219,404	581,624	125%	37.72%
36	1996	225,987	599,331	129%	37.71%
37	1999	95,199	252,627	55%	37.68%
38	1997	214,290	571,476	123%	37.50%
39	1966	82,336	219,893	47%	37.44%
40	2008	123,177	331,341	71%	37.18%
41	1934	43,065	116,145	25%	37.08%
42	1944	150,109	405,391	87%	37.03%
43	1920	158,904	430,813	93%	36.88%
44	2005	288,847	788,500	170%	36.63%
45	1943	254,785	697,182	150%	36.54%
46	1981	91,914	252,681	55%	36.38%
47	1923	120,849	332,532	72%	36.34%
48	1910	127,733	352,126	76%	36.27%
49	2021	28,034	77,564	17%	36.14%
50	1988	58,350	162,043	35%	36.01%
51	1972	45,965	127,720	28%	35.99%
52	1948	86,108	239,980	52%	35.88%
53	**2022**	**36,405**	**101,450'**	**22%**	**35.88%**
54	1904	113,205	316,646	68%	35.75%
55	1987	75,108	211,408	46%	35.53%
56	1968	87,991	248,319	54%	35.43%
57	1927	184,721	521,717	113%	35.41%
58	1969	617,968	1,747,874	377%	35.36%
59	2004	78,343	222,002	48%	35.29%
60	1994	67,224	191,004	41%	35.20%
61	2003	113,472	325,076	70%	34.91%
62	1913	73,561	211,722	46%	34.74%
63	1900	68,295	196,888	42%	34.69%
64	1960	58,336	168,472	36%	34.63%
65	1985	146,799	424,293	92%	34.60%
66	1970	110,057	319,408	69%	34.46%
67	1945	205,509	597,350	129%	34.40%
68	1939	92,253	268,269	58%	34.39%
69	1993	200,864	584,691	126%	34.35%
70	1961	29,980	87,374	19%	34.31%
71	1990	38,600	113,344	24%	34.06%
72	1964	61,521	182,928	39%	33.63%
73	1894	98,801	295,400	64%	33.45%
74	1898	45,213	135,303	29%	33.42%
75	1978	363,157	1,094,375	236%	33.18%
76	1903	132,097	398,989	86%	33.11%
77	1986	293,335	886,674	191%	33.08%
78	2016	73,279	221,831	48%	33.03%
79	1950	98,483	299,906	65%	32.84%
80	1938	315,044	961,769	207%	32.76%
81	1925	102,016	313,113	68%	32.58%
82	2002	69,991	215,307	46%	32.51%
83	1951	85,039	261,884	57%	32.47%
84	1905	117,748	366,396	79%	32.14%
85	2017	385,311	1,200,499	259%	32.10%
86	1901	186,446	582,041	126%	32.03%
87	1982	254,985	796,794	172%	32.00%
88	1912	80,471	251,812	54%	31.96%
89	1909	382,617	1,218,975	263%	31.39%
90	1921	100,096	321,325	69%	31.15%
91	1983	478,625	1,545,810	334%	30.96%
92	1955	69,544	224,785	48%	30.94%
93	1914	210,676	685,012	148%	30.76%
94	1989	71,849	234,430	51%	30.65%
95	1959	39,945	130,585	28%	30.59%
96	1908	79,418	260,894	56%	30.44%
97	1956	159,683	525,641	113%	30.38%
98	1916	472,994	1,571,597	339%	30.10%
99	2015	17,153	57,665	12%	29.75%
100	1935	103,787	350,647	76%	29.60%
101	2018	66,988	226,648	49%	29.56%
102	1917	165,062	560,304	121%	29.46%
103	1907	199,950	678,748	146%	29.46%
104	1932	154,742	526,432	114%	29.39%
105	1967	269,631	924,005	199%	29.18%
106	1930	67,851	232,582	50%	29.17%
107	1980	287,825	991,025	214%	29.04%
108	1963	137,839	476,579	103%	28.92%
109	1965	131,980	456,668	99%	28.90%
110	1991	79,763	276,543	60%	28.84%
111	1942	150,036	522,905	113%	28.69%
112	1902	109,904	389,596	84%	28.21%
113	2010	163,601	580,397	125%	28.19%
114	2011	261,005	942,858	203%	27.68%
115	2019	251,734	912,520	197%	27.59%
116	1995	255,046	929,221	200%	27.45%
117	1915	124,506	455,242	98%	27.35%
118	1971	66,635	244,475	53%	27.26%
119	1957	79,355	292,346	63%	27.14%
120	1998	308,440	1,137,373	245%	27.12%
121	1977	25,630	95,649	21%	26.80%
122	1962	135,884	515,474	111%	26.36%
123	1911	184,481	701,168	151%	26.31%
124	1953	86,019	329,570	71%	26.10%
125	1906	360,234	1,391,636	300%	25.89%
126	1899	51,353	213,710	46%	24.03%
127	1918	78,722	334,816	72%	23.51%
128	1896	86,174	372,922	80%	23.11%
129	1933	60,026	299,584	65%	20.04%

*** Estimated April- July Runoff**

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

JUNE 2022

DAY	ISABELLA RESERVOIR ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET	MIDNIGHT STORAGE S.F.D.	LOSS	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 Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) TOTAL	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT KERN RIVER	SECOND POINT GROUP FLOW AT 2ND POINT FRIANT-KERN	FRIANT-KERN INFLOW	DAY
Previous Day	2541.69	80,737	40,705	40	508	16	524	455	455	40,705	25,487	11	0	0	0	0	
1	2541.61	80,448	40,559	43	493	18	511	408	390	40,541	25,323	12	0	0	0	0	1
2	2541.49	80,018	40,342	47	506	19	525	355	363	40,332	25,114	14	0	0	0	0	2
3	2541.33	79,445	40,054	49	548	17	565	326	350	40,068	24,850	14	0	0	0	0	3
4	2541.20	78,983	39,821	37	547	19	566	370	374	39,839	24,621	11	0	0	0	0	4
5	2541.08	78,557	39,606	45	579	16	595	425	416	39,615	24,397	13	0	0	0	0	5
6	2540.97	78,169	39,410	43	585	21	606	453	448	39,414	24,196	13	0	0	0	0	6
7	2540.85	77,746	39,197	49	615	16	631	467	471	39,205	23,987	15	0	0	0	0	7
8	2540.76	77,430	39,038	52	584	16	600	493	487	39,040	23,822	16	0	0	0	0	8
9	2540.72	77,291	38,968	45	513	14	527	502	483	38,951	23,733	14	0	0	0	0	9
10	2540.69	77,186	38,915	50	438	19	457	454	481	38,925	23,707	15	0	0	0	0	10
11	2540.69	77,186	38,915	54	418	14	432	486	455	38,894	23,676	16	0	0	0	0	11
12	2540.67	77,116	38,879	52	392	16	408	424	443	38,877	23,659	16	0	0	0	0	12
13	2540.66	77,081	38,862	38	378	21	399	420	402	38,842	23,624	11	0	0	0	0	13
14	2540.63	76,976	38,809	46	350	17	367	360	368	38,797	23,579	14	0	0	0	0	14
15	2540.57	76,767	38,703	46	365	18	383	323	348	38,716	23,498	14	0	0	0	0	15
16	2540.51	76,558	38,598	51	400	16	416	362	271	38,520	23,302	15	0	0	0	0	16
17	2540.32	75,900	38,266	37	407	17	424	129	256	38,315	23,097	11	0	0	0	0	17
18	2540.23	75,591	38,110	34	384	14	398	276	217	38,100	22,882	10	0	0	0	0	18
19	2540.13	75,247	37,937	41	365	14	379	247	260	37,940	22,722	13	0	0	0	0	19
20	2540.03	74,904	37,764	42	366	22	388	257	244	37,754	22,536	13	0	0	0	0	20
21	2539.90	74,460	37,540	50	386	17	403	229	237	37,538	22,320	16	0	0	0	0	21
22	2539.80	74,120	37,369	23	357	15	372	224	261	37,404	22,186	7	0	0	0	0	22
23	2539.74	73,917	37,267	42	373	16	389	329	311	37,284	22,066	13	0	0	0	0	23
24	2539.70	73,782	37,198	43	387	19	406	380	338	37,173	21,955	14	0	0	0	0	24
25	2539.62	73,511	37,062	47	379	14	393	304	325	37,058	21,840	15	0	0	0	0	25
26	2539.54	73,241	36,926	49	365	14	379	292	288	36,918	21,700	16	0	0	0	0	26
27	2539.41	72,805	36,706	49	416	23	439	268	281	36,711	21,493	16	0	0	0	0	27
28	2539.29	72,403	36,503	51	418	17	435	283	265	36,490	21,272	17	0	0	0	0	28
29	2539.15	71,938	36,269	52	411	16	427	245	258	36,269	21,051	17	0	0	0	0	29
30	2538.96	71,309	35,952	52	427	17	444	179	179	35,952	20,734	17	0	0	0	0	30
TOTAL SECOND FOOT DAYS				1,359	13,152	512	13,664	10,270	10,270	35,952	20,734	418	0	0	0	0	
TOTAL ACRE-FEET				2,696	26,087	1,015	27,102	20,370	20,370	71,309	41,125	829	0	0	0	0	

By: MC

Date: July 29, 2022

JUNE 2022

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT							HACIENDA WATER DISTRICT						
										FLOW ABOVE 1ST PT. CARMEL			ENTITLEMENT		FLOW				
	ENT'L	FLOW	FLOW ABOVE	RESERVOIR		ENT'L	FLOW			LA	RESERVOIR		Contributed by:		FOR	VIA	RESERVOIR		
DAY	AT 1ST POINT	AT 1ST POINT	1ST POINT	LOSS	STORAGE	AT 2ND POINT	VIA KDWD	VIA CWD	AT 2ND POINT	HACIENDA INC.	LOSS	STORAGE	NKWSD	BVWSD	ID4	PIO. PROJ.	LOSS	STORAGE	DAY
Previous Day	406	508	16	30	19,322	49	0	0	0	0	10	6,165					0	0	
1	361	493	18	33	19,139	29	0	0	0	0	10	6,184					0	0	1
2	343	506	19	35	18,922	20	0	0	0	0	12	6,192					0	0	2
3	334	548	17	37	18,654	16	0	0	0	0	12	6,196					0	0	3
4	350	547	19	28	18,410	24	0	0	0	0	9	6,211					0	0	4
5	379	579	16	34	18,160	37	0	0	0	0	11	6,237					0	0	5
6	401	585	21	32	17,923	47	0	0	0	0	11	6,273					0	0	6
7	417	615	16	36	17,673	54	0	0	0	0	13	6,314					0	0	7
8	428	584	16	39	17,462	59	0	0	0	0	13	6,360					0	0	8
9	425	513	14	33	17,327	58	0	0	0	0	12	6,406					0	0	9
10	423	438	19	37	17,256	58	0	0	0	0	13	6,451					0	0	10
11	406	418	14	40	17,190	49	0	0	0	0	14	6,486					0	0	11
12	398	392	16	38	17,142	45	0	0	0	0	14	6,517					0	0	12
13	370	378	21	28	17,085	32	0	0	0	0	10	6,539					0	0	13
14	346	350	17	34	17,030	22	0	0	0	0	12	6,549					0	0	14
15	333	365	18	34	16,946	15	0	0	0	0	12	6,552					0	0	15
16	271	400	16	37	16,764	0	0	0	0	0	14	6,538					0	0	16
17	256	407	17	27	16,569	0	0	0	0	0	10	6,528					0	0	17
18	217	384	14	25	16,363	0	0	0	0	0	9	6,519					0	0	18
19	260	365	14	30	16,214	0	0	0	0	0	11	6,508					0	0	19
20	244	366	22	30	16,040	0	0	0	0	0	12	6,496					0	0	20
21	237	374	17	36	15,850	0	12	0	0	0	14	6,470					0	0	21
22	261	351	15	17	15,728	0	6	0	0	0	6	6,458					0	0	22
23	308	367	16	30	15,623	3	6	0	0	0	12	6,443					0	0	23
24	326	382	19	31	15,517	12	5	0	0	0	12	6,438					0	0	24
25	317	369	14	34	15,417	8	10	0	0	0	13	6,423					0	0	25
26	288	355	14	35	15,301	0	10	0	0	0	14	6,399					0	0	26
27	281	404	23	35	15,120	0	12	0	0	0	14	6,373					0	0	27
28	265	415	17	37	14,916	0	3	0	0	0	14	6,356					0	0	28
29	258	403	16	37	14,718	0	8	0	0	0	15	6,333					0	0	29
30	179	419	17	37	14,424	0	8	0	0	0	15	6,310					0	0	30
S.F.D.	9,682	13,072	512	996	14,424	588	80	0	0	0	363	6,310					0	0	S.F.D.
AC.FT.	19,204	25,928	1,015	1,976	28,610	1,166	159	0	0	0	720	12,515					0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 993,487

TOTAL ACRE-FOOT STORAGE DAYS 380,943

TOTAL ACRE-FOOT STORAGE DAYS 0

June 2022

*WATERMASTER NOTES *** KERN RIVER BULLETIN*

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

Historical Inflows to Isabella Lake
June 1955-Present
Runoff in 1,00 acre-feet

1955	83.4	1989	48.4
1956	167.4	1990	29.1
1957	131.8	1991	100.7
1958	231.7	1992	33.3
1959	33.0	1993	163.9
1960	45.5	1994	56.6
1961	23.8	1995	281.9
1962	154.7	1996	150.6
1963	162.3	1997	137.7
1964	52.3	1998	346.3
1965	149.9	1999	67.7
1966	45.4	2000	81.9
1967	302.9	2001	41.4
1968	62.1	2002	63.9
1969	485.6	2003	118.1
1970	92.7	2004	56.6
1971	81.1	2005	231.2
1972	37.7	2006	222.7
1973	226.5	2007	24.4
1974	166.7	2008	89.3
1975	138.8	2009	66.4
1976	18.9	2010	226.1
1977	34.5	2011	269.3
1978	351.9	2012	28.2
1979	105.5	2013	20.2
1980	274.9	2014	20.9
1981	65.7	**2015**	**13.4**
1982	194.9	2016	75.8
1983	**567.1**	2017	337.2
1984	90.7	2018	48.9
1985	100.4	2019	301
1986	250.4	2020	37.9
1987	54.5	2021	14.8
1988	42.6	**2022**	**23.4**

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

JULY 2022

DAY	ISABELLA RESERVOIR ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET	MIDNIGHT STORAGE S.F.D.	LOSS	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 Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) TOTAL	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT KERN RIVER	SECOND POINT GROUP FLOW AT 2ND POINT FRIANT-KERN	FRIANT-KERN INFLOW	DAY
Previous Day	2538.96	71,309	35,952	52	427	17	444	179	179	35,952	20,734	17	0	0	0	0	
1	2538.76	70,650	35,619	54	472	16	488	209	187	35,597	20,379	18	0	0	0	0	1
2	2538.51	69,834	35,208	55	481	17	498	142	182	35,226	20,008	19	0	0	0	0	2
3	2538.30	69,153	34,865	47	477	15	492	196	159	34,846	19,628	16	0	0	0	0	3
4	2538.07	68,414	34,492	46	455	15	470	143	184	34,514	19,296	16	0	0	0	0	4
5	2537.88	67,807	34,186	44	458	17	475	213	182	34,177	18,959	15	0	0	0	0	5
6	2537.68	67,173	33,866	43	445	23	468	191	201	33,867	18,649	15	0	0	0	0	6
7	2537.50	66,606	33,581	45	422	16	438	198	178	33,562	18,344	16	0	0	0	0	7
8	2537.29	65,948	33,249	45	413	19	432	145	174	33,259	18,041	16	0	0	0	0	8
9	2537.09	65,326	32,935	49	428	15	443	178	162	32,929	17,711	18	0	0	0	0	9
10	2536.88	64,678	32,609	45	428	16	444	163	171	32,611	17,393	17	0	0	0	0	10
11	2536.67	64,034	32,284	46	429	21	450	171	155	32,270	17,052	17	0	0	0	0	11
12	2536.45	63,365	31,947	46	409	14	423	132	131	31,932	16,714	17	0	0	0	0	12
13	2536.20	62,611	31,566	48	406	16	422	89	112	31,574	16,356	18	0	0	0	0	13
14	2535.95	61,863	31,189	47	428	18	446	116	102	31,183	15,965	18	0	0	0	0	14
15	2535.69	61,092	30,801	48	424	17	441	101	112	30,806	15,588	19	0	0	0	0	15
16	2535.40	60,241	30,372	48	483	17	500	119	133	30,391	15,173	19	0	0	0	0	16
17	2535.17	59,572	30,034	42	460	16	476	180	141	30,014	14,796	17	0	0	0	0	17
18	2534.92	58,850	29,670	45	426	18	444	125	149	29,674	14,456	18	0	0	0	0	18
19	2534.68	58,164	29,324	45	424	19	443	142	135	29,321	14,103	19	0	0	0	0	19
20	2534.43	57,456	28,967	49	428	17	445	137	129	28,956	13,738	21	0	0	0	0	20
21	2534.15	56,669	28,571	52	435	16	451	107	99	28,552	13,334	22	0	0	0	0	21
22	2533.82	55,753	28,109	54	443	18	461	53	106	28,143	12,925	23	0	0	0	0	22
23	2533.58	55,093	27,776	50	427	14	441	158	103	27,755	12,537	22	0	0	0	0	23
24	2533.32	54,385	27,419	45	396	14	410	98	110	27,410	12,192	20	0	0	0	0	24
25	2533.04	53,630	27,038	36	399	20	419	74	93	27,048	11,830	16	0	0	0	0	25
26	2532.77	52,909	26,675	41	412	17	429	107	81	26,659	11,441	19	0	0	0	0	26
27	2532.46	52,091	26,263	45	409	19	428	61	75	26,261	11,043	21	0	0	0	0	27
28	2532.15	51,281	25,854	42	408	16	424	57	90	25,885	10,667	20	0	0	0	0	28
29	2531.89	50,609	25,515	37	437	17	454	152	126	25,520	10,302	18	0	0	0	0	29
30	2531.66	50,020	25,218	37	411	17	428	168	163	25,218	10,000	18	0	0	0	0	30
31	2531.42	49,411	24,911	26	398	23	421	140	140	24,911	9,693	13	0	0	0	0	31
TOTAL SECOND FOOT DAYS				1,402	13,371	533	13,904	4,265	4,265	24,911	9,693	561	0	0	0	0	
TOTAL ACRE-FEET				2,780	26,520	1,057	27,577	8,459	8,459	49,411	19,227	1,113	0	0	0	0	

By: MC Date: August 31, 2022

JULY 2022

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT								HACIENDA WATER DISTRICT						
											FLOW ABOVE 1ST PT. CARMEL									
	ENT'L	FLOW	FLOW ABOVE			ENT'L	FLOW				LA			ENTITLEMENT		FLOW				
	AT 1ST	AT 1ST	1ST	RESERVOIR		AT 2ND	VIA	CARMEL	VIA	AT 2ND	HACIENDA	RESERVOIR		Contributed by:		FOR	VIA	RESERVOIR		
DAY	POINT	POINT	POINT	LOSS	STORAGE	POINT	KDWD	VIA ID4	CWD	POINT	INC.	LOSS	STORAGE	NKWSD	BVWSD	ID4	PIO. PROJ.	LOSS	STORAGE	DAY
Previous Day	179	419	17	37	14,424	0	0	0	0	0	0	15	6,310					0	0	
1	187	442	16	39	14,496	0	10	20	0	0	0	15	5,883					0	0	1
2	182	471	17	40	14,150	0	10	0	0	0	0	15	5,858					0	0	2
3	159	474	15	34	13,786	0	3	0	0	0	0	13	5,842					0	0	3
4	184	452	15	33	13,470	0	3	0	0	0	0	13	5,826					0	0	4
5	182	455	17	31	13,149	0	3	0	0	0	0	13	5,810					0	0	5
6	201	441	23	31	12,855	0	4	0	0	0	0	12	5,794					0	0	6
7	178	417	16	32	12,568	0	5	0	0	0	0	13	5,776					0	0	7
8	174	408	19	32	12,283	0	5	0	0	0	0	13	5,758					0	0	8
9	162	423	15	35	11,972	0	5	0	0	0	0	14	5,739					0	0	9
10	171	423	16	32	11,672	0	5	0	0	0	0	13	5,721					0	0	10
11	155	423	21	32	11,351	0	6	0	0	0	0	14	5,701					0	0	11
12	131	403	14	32	11,033	0	6	0	0	0	0	14	5,681					0	0	12
13	112	403	16	33	10,693	0	3	0	0	0	0	15	5,663					0	0	13
14	102	422	18	32	10,323	0	6	0	0	0	0	15	5,642					0	0	14
15	112	418	17	33	9,967	0	6	0	0	0	0	15	5,621					0	0	15
16	133	425	17	33	9,625	0	5	0	53	0	0	15	5,548					0	0	16
17	141	397	16	29	9,324	0	10	0	53	0	0	13	5,472					0	0	17
18	149	418	18	31	9,006	0	8	0	0	0	0	14	5,450					0	0	18
19	135	417	19	30	8,675	0	7	0	0	0	0	15	5,428					0	0	19
20	129	428	17	33	8,326	0	0	0	0	0	0	16	5,412					0	0	20
21	99	435	16	35	7,939	0	0	0	0	0	0	17	5,395					0	0	21
22	106	443	18	36	7,548	0	0	0	0	0	0	18	5,377					0	0	22
23	103	427	14	33	7,177	0	0	0	0	0	0	17	5,360					0	0	23
24	110	396	14	29	6,848	0	0	0	0	0	0	16	5,344					0	0	24
25	93	399	20	23	6,499	0	0	0	0	0	0	13	5,331					0	0	25
26	81	412	17	26	6,125	0	0	0	0	0	0	15	5,316					0	0	26
27	75	409	19	29	5,743	0	0	0	0	0	0	16	5,300					0	0	27
28	90	408	16	26	5,383	0	0	0	0	0	0	16	5,284					0	0	28
29	126	437	17	23	5,032	0	0	0	0	0	0	14	5,270					0	0	29
30	163	411	17	23	4,744	0	0	0	0	0	0	14	5,256					0	0	30
31	140	398	23	16	4,447	0	0	0	0	0	0	10	5,246					0	0	31
S.F.D.	4,265	13,135	533	956	4,447	0	110	20	106	0	0	446	5,246					0	0	S.F.D.
AC.FT.	8,459	26,052	1,057	1,896	8,821	0	218	40	210	0	0	884	10,406					0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 587,522

TOTAL ACRE-FOOT STORAGE DAYS 341,363

TOTAL ACRE-FOOT STORAGE DAYS 0

JULY 2022

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
JULY	1	2	BVWSD RESERVOIR STORAGE NKWSD RESERVOIR STORAGE	Reflects transfer 758 acre-feet (382 s.f.d.) from BUENA VISTA WATER STORAGE DISTRICT to NORTH KERN WATER STORAGE DISTRICT via storage to City of Bakersfield
JULY	1	2	FLOW-CARMEL VIA ID4	Reflects Carmel Right diverted via Improvement District No. 4 via Wonderful Orchard - Belridge Water Storage District - Kern County Water Agency - ID4 Exchange

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
2015	13,662	17,153	13,813	13,037	57,665	13%
2021	22,530	28,034	12,643	7,230	70,437	15%
1961	24,137	29,980	24,305	8,952	87,374	19%
1924	28,540	41,722	14,069	8,225	92,556	20%
2014	26,527	40,042	20,965	7,016	94,550	21%
1977	23,391	25,630	35,655	10,973	95,649	21%
2022	**31,045**	**36,405**	**20,370**	**8,495**	**96,315**	**21%**
1931	23,440	41,867	24,262	8,493	98,062	22%
2013	32,212	39,509	19,494	11,700	102,915	23%
1976	25,924	47,151	20,930	14,749	108,754	24%
1990	32,019	38,600	29,345	13,380	113,344	25%
1934	39,919	43,065	21,820	11,341	116,145	25%
2007	35,649	51,267	24,131	12,363	123,410	27%
1972	28,288	45,965	38,531	14,936	127,720	28%
1959	40,566	39,945	32,061	18,013	130,585	29%
1898	42,248	45,213	32,809	15,033	135,303	30%
1988	39,584	58,350	43,140	20,969	162,043	36%
1960	46,272	58,336	47,181	16,683	168,472	37%
2012	65,851	69,671	26,945	14,154	176,621	39%
1992	55,448	74,394	32,987	16,324	179,153	39%
1964	42,946	61,521	54,658	23,803	182,928	40%
1994	46,489	67,224	56,223	21,068	191,004	42%
1928	37,757	76,885	60,344	18,716	193,702	43%
2020	59,213	86,350	35,786	15,453	196,802	43%
1900	28,102	68,295	76,366	24,125	196,888	43%
1949	50,517	84,508	57,685	17,201	209,911	46%
1987	55,236	75,108	56,146	24,918	211,408	46%
1913	42,494	73,561	60,738	34,929	211,722	46%
1899	53,133	51,353	79,178	30,046	213,710	47%
2002	58,838	69,991	63,775	22,703	215,307	47%
1929	39,064	85,995	63,487	30,986	219,532	48%
1966	68,779	82,336	45,431	23,347	219,893	48%
2016	50,386	73,279	75,628	22,538	221,831	49%
2004	64,197	78,343	56,378	23,084	222,002	49%
1955	37,567	69,544	86,660	31,014	224,785	49%
2018	84,716	66,988	46,574	28,370	226,648	50%
1930	53,506	67,851	82,824	28,401	232,582	51%
1926	66,079	98,598	49,530	18,575	232,782	51%
1989	91,380	71,849	49,823	21,378	234,430	51%
1948	43,976	86,108	78,565	31,331	239,980	53%
1971	52,661	66,635	82,707	42,472	244,475	54%
1968	65,584	87,991	64,054	30,690	248,319	55%
1947	60,353	110,325	57,778	21,116	249,572	55%
2001	58,249	124,417	43,033	24,593	250,292	55%
1912	37,246	80,471	100,925	33,170	251,812	55%
1999	55,843	95,199	68,733	32,852	252,627	67%
1981	69,320	91,914	65,817	25,630	252,681	68%
1908	79,320	79,418	60,305	41,851	260,894	70%
1951	48,914	85,039	88,990	38,941	261,884	70%
1939	92,136	92,253	58,400	25,480	268,269	72%
1991	58,092	79,763	100,423	38,265	276,543	74%
1957	38,644	79,355	132,359	41,988	292,346	78%
2009	63,650	130,352	65,252	35,907	295,161	79%
1894	88,974	98,801	64,564	43,061	295,400	79%
1933	57,265	60,026	125,395	56,898	299,584	80%
1950	76,155	98,483	90,367	34,901	299,906	80%
2000	67,388	129,406	81,396	28,306	306,496	82%
1925	56,408	102,016	96,252	58,437	313,113	84%
1904	59,812	113,205	103,904	39,725	316,646	85%
1970	63,513	110,057	95,700	50,138	319,408	85%
1921	51,723	100,096	120,387	49,119	321,325	86%
2003	56,146	113,472	118,383	37,075	325,076	87%
1953	70,730	86,019	103,164	69,657	329,570	88%
2008	80,991	123,177	89,078	38,095	331,341	89%
1923	73,355	120,849	82,528	55,800	332,532	89%
1918	74,513	78,722	136,753	44,828	334,816	89%
1919	86,574	140,215	81,844	34,364	342,997	92%
1935	71,042	103,787	133,634	42,184	350,647	94%
1910	102,883	127,733	79,464	42,046	352,126	94%
1954	101,203	139,719	73,553	39,642	354,117	95%
1905	62,047	117,748	132,766	53,835	366,396	98%
1896	57,864	86,174	146,124	82,760	372,922	100%
1975	46,602	147,001	140,660	51,917	386,180	103%
1902	107,403	109,904	128,853	43,436	389,596	104%
1946	109,658	155,476	85,880	39,733	390,747	104%
1903	74,315	132,097	139,222	53,355	398,989	107%
1944	80,223	150,109	115,862	59,197	405,391	108%
1979	102,079	164,935	106,112	46,733	419,859	112%
1984	91,359	161,613	93,114	77,046	423,132	113%
1985	136,241	146,799	99,858	41,395	424,293	113%
1920	83,370	158,904	137,840	50,699	430,813	115%
1915	80,916	124,506	172,324	77,496	455,242	122%
1965	80,043	131,980	149,357	95,288	456,668	122%
1963	69,412	137,839	163,944	105,384	476,579	127%
1940	118,175	196,465	145,503	50,471	510,614	136%
1962	147,463	135,884	157,253	74,874	515,474	138%
1927	100,362	184,721	161,153	75,481	521,717	139%
1942	112,586	150,036	178,754	81,529	522,905	140%
1956	97,553	159,683	168,876	99,529	525,641	140%
1932	111,273	154,742	166,404	94,013	526,432	141%
1974	114,113	183,733	167,740	69,580	535,166	143%
1917	126,329	165,062	187,638	81,275	560,304	150%
1997	142,909	214,290	142,358	71,919	571,476	153%
2010	95,484	163,601	226,437	94,875	580,397	155%
1936	157,290	219,404	137,028	67,902	581,624	155%
1901	83,190	186,446	197,792	114,613	582,041	156%
1993	133,993	200,864	162,420	87,414	584,691	156%
1945	131,246	205,509	169,002	91,593	597,350	160%
1996	147,959	225,987	154,883	70,502	599,331	160%
1922	84,407	242,259	202,395	88,649	617,710	165%
1897	173,393	281,639	137,393	61,837	654,262	175%
1907	197,720	199,950	183,995	97,083	678,748	181%
1914	144,934	210,676	201,064	128,338	685,012	150%
1895	162,071	268,635	172,890	91,133	694,729	152%
1943	198,736	254,785	155,650	88,011	697,182	153%
1911	138,113	184,481	222,076	156,498	701,168	153%
1973	110,892	288,652	230,390	93,834	723,768	158%
2005	132,119	288,847	238,352	129,182	788,500	173%
2006	147,043	309,409	232,520	106,756	795,728	174%
1982	212,963	254,985	198,748	130,098	796,794	174%
1958	168,105	316,974	230,866	115,724	831,669	182%
1937	183,505	352,050	225,395	91,097	852,047	186%
1986	208,147	293,335	263,794	121,398	886,674	194%
2019	203,673	251,734	302,910	154,203	912,520	200%
1967	99,509	269,631	311,063	243,802	924,005	202%
1995	143,244	255,046	293,129	237,802	929,221	203%
2011	231,304	261,005	274,675	175,874	942,858	206%
1938	223,928	315,044	291,880	130,917	961,769	210%
1980	211,608	287,825	282,877	208,715	991,025	217%
1941	124,615	386,666	309,960	174,416	995,657	218%
1978	181,700	363,157	354,825	194,693	1,094,375	239%
1952	222,633	434,769	302,557	159,856	1,119,815	245%
1998	189,663	308,440	371,835	267,435	1,137,373	249%
2017	290,457	385,311	343,801	180,930	1,200,499	263%
1909	247,402	382,617	394,086	194,870	1,218,975	267%
1906	173,143	360,234	458,418	399,841	1,391,636	305%
1983	206,473	478,625	571,846	288,866	1,545,810	338%
1916	481,749	472,994	391,700	225,154	1,571,597	344%
1969	378,333	617,968	496,796	254,777	1,747,874	383%
MAXIMUM	**481,749**	**617,968**	**571,846**	**399,841**	**1,747,874**	
MINIMUM	**13,662**	**17,153**	**12,643**	**7,016**	**57,665**	
AVERAGE	**98,010**	**152,451**	**135,034**	**70,054**	**455,549**	

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

AUGUST 2022

	ISABELLA RESERVOIR				FLOW	FLOW	FIRST POINT	CHANGE IN STORAGE+LOSS +1ST POINT	COMPUTED 1ST POINT	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)		KERN COUNTY	TOTAL FLOW AT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-	
	ELEVATION	MIDNIGHT STORAGE			AT 1ST	ABOVE	REGULATED	REGULATED	NATURAL			RECREATION	SECOND	KERN	FRIANT-	KERN	
DAY	(FEET)	ACRE-FEET	S.F.D.	LOSS	POINT	1ST POINT	FLOW	FLOW	FLOW	TOTAL	IRRIGATION	POOL LOSS	POINT	RIVER	KERN	INFLOW	DAY
Previous Day	2531.42	49,411	24,911	26	398	23	421	140	140	24,911	9,693	13	0	0	0	0	
1	2531.20	48,858	24,633	36	396	15	411	169	208	24,672	9,454	18	0	0	0	0	1
2	2531.09	48,583	24,494	40	369	15	384	285	222	24,470	9,252	20	0	0	0	0	2
3	2530.95	48,235	24,318	39	333	17	350	213	248	24,329	9,111	20	0	0	0	0	3
4	2530.84	47,962	24,181	21	347	16	363	247	236	24,181	8,963	11	0	0	0	0	4
5	2530.95	48,235	24,318	23	360	12	372	532	532	24,318	9,100	12	0	0	0	0	5
6	2531.12	48,658	24,532	36	366	18	384	634	634	24,532	9,314	18	0	0	0	0	6
7	2531.22	48,908	24,658	38	364	19	383	547	547	24,658	9,440	19	0	0	0	0	7
8	2531.25	48,983	24,696	36	322	15	337	411	372	24,657	9,439	18	0	0	0	0	8
9	2531.21	48,883	24,645	36	290	20	310	295	327	24,638	9,420	18	0	0	0	0	9
10	2531.14	48,708	24,557	39	307	17	324	275	294	24,569	9,351	20	0	0	0	0	10
11	2531.10	48,608	24,507	37	310	16	326	313	271	24,477	9,259	19	0	0	0	0	11
12	2531.01	48,383	24,393	38	286	16	302	226	247	24,384	9,166	19	0	0	0	0	12
13	2530.90	48,110	24,255	40	279	19	298	200	209	24,255	9,037	21	0	0	0	0	13
14	2530.80	47,863	24,131	40	269	16	285	201	195	24,125	8,907	21	0	0	0	0	14
15	2530.71	47,642	24,020	33	243	20	263	185	182	24,011	8,793	17	0	0	0	0	15
16	2530.61	47,396	23,895	34	231	19	250	159	166	23,893	8,675	18	0	0	0	0	16
17	2530.49	47,103	23,748	36	248	17	265	154	165	23,757	8,539	19	0	0	0	0	17
18	2530.39	46,859	23,625	40	249	16	265	182	174	23,626	8,408	21	0	0	0	0	18
19	2530.30	46,641	23,515	38	239	18	257	185	184	23,515	8,297	20	0	0	0	0	19
20	2530.21	46,424	23,405	39	238	18	256	185	170	23,390	8,172	21	0	0	0	0	20
21	2530.09	46,134	23,259	41	231	15	246	141	166	23,269	8,051	22	0	0	0	0	21
22	2529.98	45,871	23,127	40	241	23	264	172	147	23,112	7,894	22	0	0	0	0	22
23	2529.84	45,537	22,958	36	245	15	260	127	161	22,977	7,759	20	0	0	0	0	23
24	2529.72	45,252	22,815	37	273	17	290	184	169	22,819	7,601	20	0	0	0	0	24
25	2529.65	45,087	22,731	36	227	16	243	195	164	22,704	7,486	20	0	0	0	0	25
26	2529.55	44,851	22,612	36	178	18	196	113	145	22,617	7,399	20	0	0	0	0	26
27	2529.47	44,663	22,518	38	167	16	183	127	117	22,513	7,295	21	0	0	0	0	27
28	2529.38	44,452	22,411	34	167	18	185	112	117	22,411	7,193	19	0	0	0	0	28
29	2529.27	44,196	22,282	34	192	15	207	112	118	22,288	7,070	19	0	0	0	0	29
30	2529.16	43,941	22,154	32	203	22	225	129	123	22,154	6,936	18	0	0	0	0	30
31	2529.03	43,640	22,002	32	212	15	227	107	107	22,002	6,784	18	0	0	0	0	31
TOTAL SECOND FOOT DAYS				1,115	8,382	529	8,911	7,117	7,117	22,002	6,784	589	0	0	0	0	
TOTAL ACRE-FEET				2,212	16,625	1,050	17,675	14,116	14,116	43,640	13,456	1,168	0	0	0	0	

By: MC Date: September 26, 2022

AUGUST 2022

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT							HACIENDA WATER DISTRICT						
										FLOW ABOVE 1ST PT. CARMEL			ENTITLEMENT		FLOW				
	ENT'L AT 1ST	FLOW AT 1ST	FLOW ABOVE 1ST	RESERVOIR		ENT'L AT 2ND	FLOW VIA	VIA	AT 2ND	LA HACIENDA	RESERVOIR		Contributed by:		FOR	VIA	RESERVOIR		
DAY	POINT	POINT	POINT	LOSS	STORAGE	POINT	KDWD	CWD	POINT	INC	LOSS	STORAGE	NKWSD	BVWSD	ID4	PIO. PROJ	LOSS	STORAGE	DAY
Previous Day	140	398	23	16	4,447	0	0	0	0	0	10	5,246					0	0	
1	208	396	15	22	6,361	0	0	0	0	0	14	3,093					0	0	1
2	222	369	15	28	6,171	0	0	0	0	0	12	3,081					0	0	2
3	248	333	17	28	6,041	0	0	0	0	0	11	3,070					0	0	3
4	236	347	16	15	5,899	0	0	0	0	0	6	3,064					0	0	4
5	458	360	12	16	5,969	74	0	0	0	0	7	3,131					0	0	5
6	528	366	18	25	6,088	106	0	0	0	0	11	3,226					0	0	6
7	468	364	19	27	6,146	79	0	0	0	0	11	3,294					0	0	7
8	349	322	15	25	6,133	23	0	0	0	0	11	3,306					0	0	8
9	318	290	20	25	6,116	9	0	0	0	0	11	3,304					0	0	9
10	294	307	17	27	6,059	0	0	0	0	0	12	3,292					0	0	10
11	271	310	16	26	5,978	0	0	0	0	0	11	3,281					0	0	11
12	247	286	16	27	5,896	0	0	0	0	0	11	3,270					0	0	12
13	209	279	19	28	5,779	0	0	0	0	0	12	3,258					0	0	13
14	195	269	16	28	5,661	0	0	0	0	0	12	3,246					0	0	14
15	182	243	20	23	5,557	0	0	0	0	0	10	3,236					0	0	15
16	166	231	19	24	5,449	0	0	0	0	0	10	3,226					0	0	16
17	165	248	17	25	5,324	0	0	0	0	0	11	3,215					0	0	17
18	174	249	16	28	5,205	0	0	0	0	0	12	3,203					0	0	18
19	184	239	18	26	5,106	0	0	0	0	0	12	3,191					0	0	19
20	170	238	18	27	4,993	0	0	0	0	0	12	3,179					0	0	20
21	166	231	15	28	4,885	0	0	0	0	0	13	3,166					0	0	21
22	147	241	23	27	4,741	0	0	0	0	0	13	3,153					0	0	22
23	161	245	15	25	4,617	0	0	0	0	0	11	3,142					0	0	23
24	169	273	17	25	4,471	0	0	0	0	0	12	3,130					0	0	24
25	164	227	16	24	4,368	0	0	0	0	0	12	3,118					0	0	25
26	145	178	18	24	4,293	0	0	0	0	0	12	3,106					0	0	26
27	117	167	16	26	4,201	0	0	0	0	0	12	3,094					0	0	27
28	117	167	18	23	4,110	0	0	0	0	0	11	3,083					0	0	28
29	118	192	15	23	3,998	0	0	0	0	0	11	3,072					0	0	29
30	123	203	22	21	3,875	0	0	0	0	0	11	3,061					0	0	30
31	107	212	15	21	3,734	0	0	0	0	0	11	3,050					0	0	31
S.F.D.	6,826	8,382	529	767	3,734	291	0	0	0	0	348	3,050					0	0	S.F.D.
AC.FT.	13,539	16,625	1,050	1,521	7,406	577	0	0	0	0	691	6,050					0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 323,750

TOTAL ACRE-FOOT STORAGE DAYS 195,056

TOTAL ACRE-FOOT STORAGE DAYS 0

AUGUST 2022

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
AUGUST	1	2	BVWSD RESERVOIR STORAGE NKWSD RESERVOIR STORAGE	Reflects transfer 4,242 acre-feet (2,139 s.f.d.) from BUENA VISTA WATER STORAGE DISTRICT to NORTH KERN WATER STORAGE DISTRICT via storage to City of Bakersfield

2022 April-July Unimpaired Runoff
Central Valley Streams

April -July Flow in 1000 Acre-Feet

Watershed	(1) 30-Year Average	Median Forecast as of Feb. 1	Mar. 1	Apr. 1	May 1	(2) 2022 Actual	% of Average
Sacramento River above Bend Bridge	2474	1870	1500	1090	1200	**1331**	54%
Feather River at Oroville Reservoir	1710	1470	890	550	870	**1310**	77%
Yuba River at Smartville	993	960	650	400	590	**761**	77%
American River at Folsom Reservoir	1247	1170	770	450	670	**976**	78%
Cosumnes River at Michigan Bar	133	90	52	39	97	**97**	73%
Mokelumne River at Pardee Reservoir	469	450	290	190	210	**277**	59%
Stanislaus River at Melones Reservoir	699	640	440	310	330	**392**	56%
Tuolumne River at Don Pedro Reservoir	1222	1060	730	570	560	**605**	50%
Merced River at Lake McClure	627	540	350	260	250	**304**	48%
San Joaquin River at Millerton Lake	1229	1170	850	670	570	**592**	48%
Kings River at Pine Flat Reservoir	1204	1050	750	560	490	**474**	39%
Kaweah River at Terminus Reservoir	276	230	140	110	88	**100**	36%
Tule River at Success Reservoir	56	32	17	12	8	**19**	34%
KERN RIVER AT ISABELLA LAKE	**427**	**300**	**170**	**125**	**105**	**108**	**25%**

(1) All 30-year averages are based on data for water years 1991-2020

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

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

SEPTEMBER 2022

DAY	ISABELLA RESERVOIR ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET	S.F.D.	LOSS	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 Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) TOTAL	IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT KERN RIVER	FRIANT-KERN	FRIANT-KERN INFLOW	DAY
Previous Day	2529.03	43,640	22,002	32	212	15	227	107	107	22,002	6,784	18	0	0	0	0	
1	2528.91	43,364	21,863	37	221	14	235	133	134	21,864	6,646	21	0	0	0	0	1
2	2528.80	43,112	21,736	36	209	19	228	137	125	21,725	6,507	21	0	0	0	0	2
3	2528.68	42,839	21,598	35	192	16	208	105	123	21,605	6,387	21	0	0	0	0	3
4	2528.58	42,612	21,484	35	192	15	207	128	109	21,472	6,254	21	0	0	0	0	4
5	2528.44	42,296	21,324	32	201	20	221	93	102	21,321	6,103	19	0	0	0	0	5
6	2528.28	41,936	21,143	34	213	18	231	84	94	21,150	5,932	21	0	0	0	0	6
7	2528.12	41,579	20,963	34	236	15	251	105	93	20,958	5,740	21	0	0	0	0	7
8	2527.95	41,203	20,773	28	236	17	253	91	119	20,796	5,578	17	0	0	0	0	8
9	2527.85	40,982	20,662	25	234	14	248	162	126	20,649	5,431	16	0	0	0	0	9
10	2527.80	40,872	20,606	23	141	15	156	123	131	20,601	5,383	14	0	0	0	0	10
11	2527.78	40,828	20,584	24	94	13	107	109	126	20,596	5,378	15	0	0	0	0	11
12	2527.79	40,850	20,595	20	97	19	116	147	129	20,589	5,371	12	0	0	0	0	12
13	2527.77	40,806	20,573	31	104	17	121	130	135	20,572	5,354	19	0	0	0	0	13
14	2527.74	40,741	20,540	27	117	16	133	127	125	20,537	5,319	17	0	0	0	0	14
15	2527.69	40,631	20,485	23	134	17	151	119	124	20,487	5,269	14	0	0	0	0	15
16	2527.64	40,522	20,430	24	146	10	156	125	132	20,439	5,221	15	0	0	0	0	16
17	2527.62	40,478	20,408	23	141	10	151	152	137	20,402	5,184	15	0	0	0	0	17
18	2527.60	40,434	20,385	23	120	15	135	135	137	20,381	5,163	15	0	0	0	0	18
19	2527.56	40,347	20,342	23	125	19	144	124	131	20,345	5,127	15	0	0	0	0	19
20	2527.52	40,260	20,298	21	139	19	158	135	131	20,297	5,079	13	0	0	0	0	20
21	2527.47	40,152	20,243	22	149	17	166	133	135	20,244	5,026	14	0	0	0	0	21
22	2527.43	40,065	20,199	21	145	16	161	138	148	20,210	4,992	13	0	0	0	0	22
23	2527.42	40,044	20,189	27	139	18	157	174	158	20,184	4,966	17	0	0	0	0	23
24	2527.43	40,065	20,199	25	110	15	125	160	150	20,184	4,966	16	0	0	0	0	24
25	2527.43	40,065	20,199	26	75	14	89	115	124	20,193	4,975	17	0	0	0	0	25
26	2527.39	39,979	20,156	23	98	19	117	97	109	20,162	4,944	15	0	0	0	0	26
27	2527.34	39,871	20,102	23	131	16	147	116	109	20,101	4,883	15	0	0	0	0	27
28	2527.28	39,741	20,036	26	134	19	153	113	118	20,040	4,822	17	0	0	0	0	28
29	2527.24	39,656	19,993	26	129	14	143	126	122	19,993	4,775	17	0	0	0	0	29
30	2527.19	39,549	19,939	25	116	19	135	106	106	19,939	4,721	16	0	0	0	0	30
TOTAL SECOND FOOT DAYS				802	4,518	485	5,003	3,742	3,742	19,939	4,721	499	0	0	0	0	
TOTAL ACRE-FEET				1,590	8,961	962	9,923	7,422	7,422	39,549	9,365	990	0	0	0	0	

By: MC Date: October 28, 2022

SEPTEMBER 2022

	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 LOSS	RESERVOIR STORAGE	ENT'L AT 2ND POINT	FLOW VIA KDWD	FLOW VIA CWD	AT 2ND POINT	FLOW ABOVE 1ST PT. CARMEL La HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE	ENTITLEMENT Contributed by: NKWSD	ENTITLEMENT Contributed by: BVWSD	FLOW VIA KDWD	FLOW For ID#4	FLOW VIA PIO. PROJ.	RESERVOIR LOSS	RESERVOIR STORAGE	
DAY																					DAY
Previous Day	107	212	15	21	3,734	0	0	0	0	0	11	3,050						0	0		
1	134	221	14	25	3,608	0	0	0	0	0	12	3,038						0	0		1
2	125	209	19	24	3,481	0	0	0	0	0	12	3,026						0	0		2
3	123	192	16	23	3,373	0	0	0	0	0	12	3,014						0	0		3
4	109	192	15	23	3,252	0	0	0	0	0	12	3,002						0	0		4
5	102	201	20	21	3,112	0	0	0	0	0	11	2,991						0	0		5
6	94	213	18	22	2,953	0	0	0	0	0	12	2,979						0	0		6
7	93	236	15	22	2,773	0	0	0	0	0	12	2,967						0	0		7
8	119	236	17	18	2,621	0	0	0	0	0	10	2,957						0	0		8
9	126	234	14	16	2,483	0	0	0	0	0	9	2,948						0	0		9
10	131	141	15	15	2,443	0	0	0	0	0	8	2,940						0	0		10
11	126	94	13	15	2,447	0	0	0	0	0	9	2,931						0	0		11
12	129	97	19	13	2,447	0	0	0	0	0	7	2,924						0	0		12
13	135	104	17	20	2,441	0	0	0	0	0	11	2,913						0	0		13
14	125	117	16	17	2,416	0	0	0	0	0	10	2,903						0	0		14
15	124	134	17	15	2,374	0	0	0	0	0	8	2,895						0	0		15
16	132	146	10	15	2,335	0	0	0	0	0	9	2,886						0	0		16
17	137	141	10	15	2,306	0	0	0	0	0	8	2,878						0	0		17
18	137	120	15	15	2,293	0	0	0	0	0	8	2,870						0	0		18
19	131	125	19	15	2,265	0	0	0	0	0	8	2,862						0	0		19
20	131	139	19	13	2,225	0	0	0	0	0	8	2,854						0	0		20
21	135	149	17	14	2,180	0	0	0	0	0	8	2,846						0	0		21
22	148	145	16	13	2,154	0	0	0	0	0	8	2,838						0	0		22
23	158	139	18	17	2,138	0	0	0	0	0	10	2,828						0	0		23
24	150	110	15	16	2,147	0	0	0	0	0	9	2,819						0	0		24
25	124	75	14	17	2,165	0	0	0	0	0	9	2,810						0	0		25
26	109	98	19	15	2,142	0	0	0	0	0	8	2,802						0	0		26
27	109	131	16	15	2,089	0	0	0	0	0	8	2,794						0	0		27
28	118	134	19	17	2,037	0	0	0	0	0	9	2,785						0	0		28
29	122	129	14	17	1,999	0	0	0	0	0	9	2,776						0	0		29
30	106	116	19	16	1,954	0	0	0	0	0	9	2,767						0	0		30
S.F.D.	3,742	4,518	485	519	1,954	0	0	0	0	0	283	2,767						0	0		S.F.D.
AC.FT.	7,422	8,961	962	1,029	3,876	0	0	0	0	0	561	5,489						0	0		AC.FT.

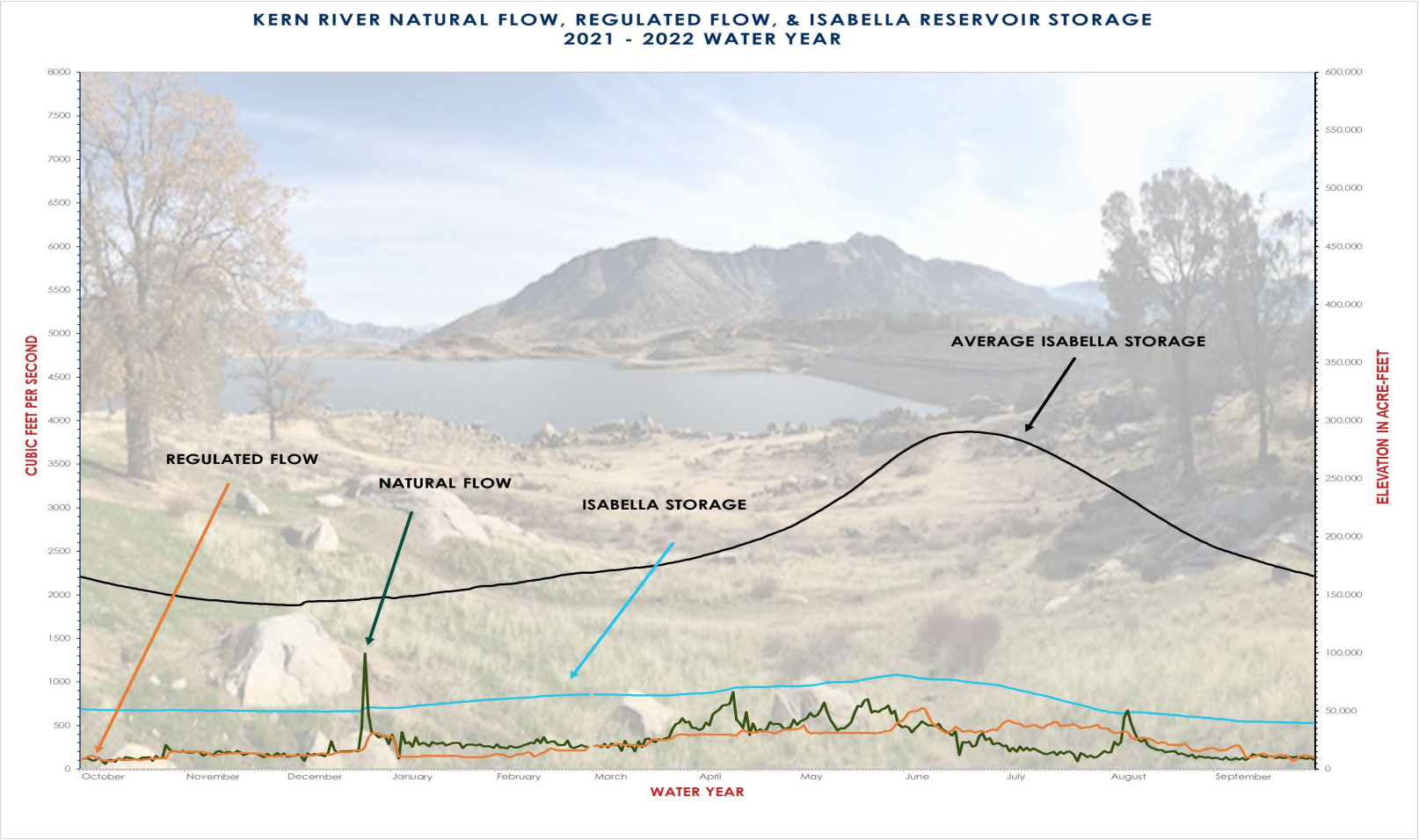
TOTAL ACRE-FOOT STORAGE DAYS 148,072

TOTAL ACRE-FOOT STORAGE DAYS 172,250

TOTAL ACRE-FOOT STORAGE DAYS 0

SEPTEMBER 2022
*WATERMASTER NOTES *** KERN RIVER BULLETIN*

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



REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

OCTOBER 2022

DAY	ISABELLA RESERVOIR ELEVATION (FEET)	ISABELLA RESERVOIR MIDNIGHT STORAGE ACRE-FEET	ISABELLA RESERVOIR MIDNIGHT STORAGE S.F.D.	LOSS	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 Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) TOTAL	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT KERN RIVER	SECOND POINT GROUP FLOW AT 2ND POINT FRIANT-KERN	DAY
Previous Day	2527.19	39,549	19,939	25	116	19	135	106	106	19,939	4,721	16	0	0	0	
1	2527.14	39,441	19,885	24	117	14	131	101	93	19,877	4,659	16	0	0	0	1
2	2527.07	39,292	19,810	24	115	14	129	78	85	19,809	4,591	16	0	0	0	2
3	2526.97	39,079	19,702	23	140	21	161	76	92	19,717	4,499	15	0	0	0	3
4	2526.89	38,909	19,617	24	168	14	182	121	98	19,609	4,391	16	0	0	0	4
5	2526.82	38,761	19,542	24	132	16	148	97	106	19,543	4,325	16	0	0	0	5
6	2526.77	38,655	19,489	23	116	13	129	99	94	19,485	4,267	15	0	0	0	6
7	2526.71	38,530	19,426	22	111	16	127	86	90	19,426	4,208	15	0	0	0	7
8	2526.65	38,403	19,362	23	112	13	125	84	82	19,360	4,142	16	0	0	0	8
9	2526.58	38,257	19,288	23	114	14	128	77	88	19,297	4,079	16	0	0	0	9
10	2526.54	38,173	19,246	21	103	20	123	102	83	19,236	4,018	14	0	0	0	10
11	2526.47	38,027	19,172	21	107	15	122	69	90	19,183	3,965	14	0	0	0	11
12	2526.43	37,944	19,130	22	105	15	120	100	93	19,134	3,916	15	0	0	0	12
13	2526.40	37,882	19,099	21	104	17	121	111	96	19,088	3,870	14	0	0	0	13
14	2526.34	37,757	19,036	21	104	13	117	75	94	19,044	3,826	14	0	0	0	14
15	2526.30	37,674	18,994	22	103	14	117	97	82	18,987	3,769	15	0	0	0	15
16	2526.24	37,551	18,932	19	101	16	117	74	88	18,939	3,721	13	0	0	0	16
17	2526.20	37,468	18,890	18	99	19	118	94	94	18,897	3,679	13	0	0	0	17
18	2526.18	37,427	18,869	18	104	14	118	115	104	18,865	3,647	13	0	0	0	18
19	2526.15	37,365	18,838	17	101	14	115	101	106	18,839	3,621	12	0	0	0	19
20	2526.12	37,304	18,807	18	101	15	116	103	93	18,798	3,580	13	0	0	0	20
21	2526.06	37,181	18,745	19	102	15	117	74	82	18,744	3,526	13	0	0	0	21
22	2526.00	37,058	18,683	18	100	14	114	70	68	18,680	3,462	13	0	0	0	22
23	2525.93	36,915	18,611	16	104	13	117	61	78	18,625	3,407	11	0	0	0	23
24	2525.90	36,854	18,581	14	102	18	120	104	83	18,574	3,356	10	0	0	0	24
25	2525.84	36,732	18,519	16	110	18	128	82	100	18,530	3,312	11	0	0	0	25
26	2525.80	36,651	18,478	19	122	14	136	114	103	18,478	3,260	14	0	0	0	26
27	2525.76	36,570	18,437	16	124	13	137	112	112	18,437	3,219	11	0	0	0	27
28	2525.72	36,489	18,397	17	118	15	133	110	113	18,400	3,182	12	0	0	0	28
29	2525.69	36,429	18,366	15	119	14	133	117	121	18,373	3,155	11	0	0	0	29
30	2525.68	36,409	18,356	14	119	14	133	137	130	18,356	3,138	10	0	0	0	30
31	2525.68	36,409	18,356	11	118	19	137	148	148	18,356	3,138	8	0	0	0	31
TOTAL SECOND FOOT DAYS				603	3,495	474	3,969	2,989	2,989	18,356	3,138	415	0	0	0	
TOTAL ACRE-FEET				1,196	6,932	941	7,873	5,929	5,929	36,409	6,225	823	0	0	0	

By: MC

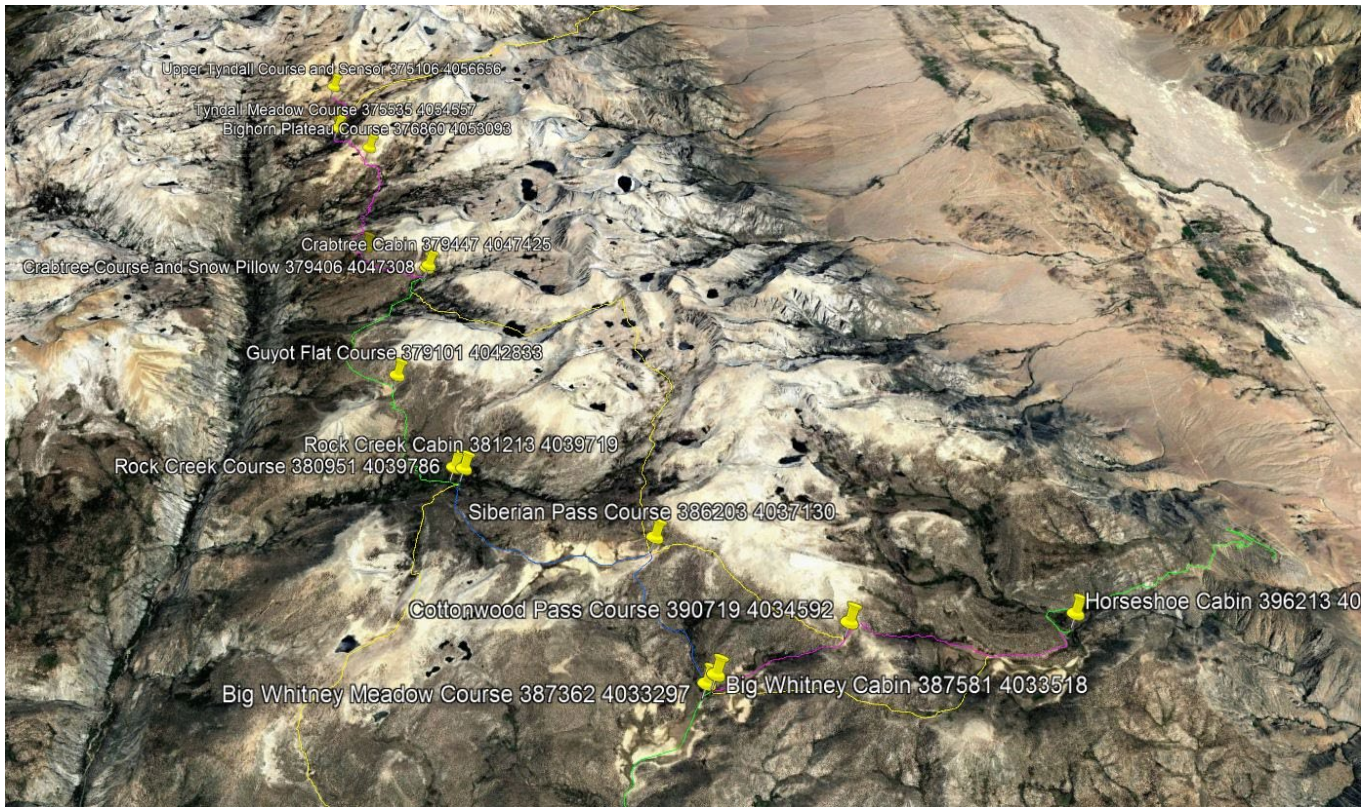
Date: November 28, 2022

OCTOBER 2022

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT							HACIENDA WATER DISTRICT						
							FLOW STATE/MET			FLOW ABOVE 1ST PT.			ENTITLEMENT		FLOW				
	ENT'L AT 1ST	FLOW AT 1ST	FLOW ABOVE 1ST	RESERVOIR		ENT'L AT 1ST	VIA	FOR/VIA	AT 2ND	SUKUT	RESERVOIR		Contributed by:		For	Pio.	RESERVOIR		
DAY	POINT	POINT	POINT	LOSS	STORAGE	POINT	CWD	KDWD	POINT	CONSTRUCTION	LOSS	STORAGE	NKWSD	BVWSD	ID#4	Proj.	LOSS	STORAGE	DAY
Previous Day	106	116	19	16	1,954	0	0	0	0	0	9	2,767					0	0	
1	93	117	14	15	1,901	0	0	0	0	0	9	2,758					0	0	1
2	85	115	14	15	1,842	0	0	0	0	0	9	2,749					0	0	2
3	92	111	21	14	1,788	0	29	0	0	0	9	2,711					0	0	3
4	98	139	14	15	1,718	0	29	0	0	0	9	2,673					0	0	4
5	106	132	16	15	1,661	0	0	0	0	0	9	2,664					0	0	5
6	94	116	13	14	1,612	0	0	0	0	0	9	2,655					0	0	6
7	90	111	16	14	1,561	0	0	0	0	0	8	2,647					0	0	7
8	82	112	13	15	1,503	0	0	0	0	0	8	2,639					0	0	8
9	88	114	14	15	1,448	0	0	0	0	0	8	2,631					0	0	9
10	83	103	20	13	1,395	0	0	0	0	0	8	2,623					0	0	10
11	90	107	15	13	1,350	0	0	0	0	0	8	2,615					0	0	11
12	93	105	15	14	1,309	0	0	0	0	0	8	2,607					0	0	12
13	96	104	17	13	1,271	0	0	0	0	0	8	2,599					0	0	13
14	94	104	13	13	1,235	0	0	0	0	0	8	2,591					0	0	14
15	82	103	14	14	1,186	0	0	0	0	0	8	2,583					0	0	15
16	88	101	16	12	1,145	0	0	0	0	0	7	2,576					0	0	16
17	94	99	19	11	1,110	0	0	0	0	0	7	2,569					0	0	17
18	104	104	14	11	1,085	0	0	0	0	0	7	2,562					0	0	18
19	106	101	14	10	1,066	0	0	0	0	0	7	2,555					0	0	19
20	93	101	15	11	1,032	0	0	0	0	0	7	2,548					0	0	20
21	82	102	15	11	986	0	0	0	0	0	8	2,540					0	0	21
22	68	100	14	11	929	0	0	0	0	0	7	2,533					0	0	22
23	78	104	13	10	880	0	0	0	0	0	6	2,527					0	0	23
24	83	102	18	9	834	0	0	0	0	0	5	2,522					0	0	24
25	100	110	18	9	797	0	0	0	0	0	7	2,515					0	0	25
26	103	122	14	12	752	0	0	0	0	0	7	2,508					0	0	26
27	112	124	13	9	718	0	0	0	0	0	7	2,501					0	0	27
28	113	118	15	10	688	0	0	0	0	0	7	2,494					0	0	28
29	121	119	14	9	667	0	0	0	0	0	6	2,488					0	0	29
30	130	119	14	8	656	0	0	0	0	0	6	2,482					0	0	30
31	148	118	19	7	660	0	0	0	0	0	4	2,478					0	0	31
S.F.D.	2,989	3,437	474	372	660	0	58	0	0	0	231	2,478					0	0	S.F.D.
AC.FT.	5,929	6,817	941	738	1,309	0	115	0	0	0	458	4,916					0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 72,962 — TOTAL ACRE-FOOT STORAGE DAYS 158,961 — TOTAL ACRE-FOOT STORAGE DAYS 0

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



SIERRA SNOW SURVEYS SNOW COURSE TRAIL

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

NOVEMBER 2022

	ISABELLA RESERVOIR							CHANGE IN STORAGE+LOSS +1ST POINT	COMPUTED 1ST POINT	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)		KERN COUNTY	TOTAL FLOW AT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-	
	ELEVATION	MIDNIGHT STORAGE			FLOW AT 1ST	FLOW ABOVE	FIRST POINT REGULATED	REGULATED	NATURAL			RECREATION	SECOND	KERN	FRIANT-	KERN	
DAY	(FEET)	ACRE-FEET	S.F.D.	LOSS	POINT	1ST POINT	FLOW	FLOW	FLOW	TOTAL	IRRIGATION	POOL LOSS	POINT	RIVER	KERN	INFLOW	DAY
Previous Day	2525.68	36,409	18,356	11	118	19	137	148	148	18,356	3,138	8	0	0	0	0	
1	2525.66	36,368	18,336	15	63	17	80	75	97	18,358	3,140	11	0	0	0	0	1
2	2525.70	36,449	18,376	8	77	15	92	140	125	18,383	3,165	6	0	0	0	0	2
3	2525.76	36,570	18,437	7	77	14	91	159	152	18,437	3,219	5	0	0	0	0	3
4	2525.82	36,692	18,499	8	76	12	88	158	152	18,493	3,275	6	0	0	0	0	4
5	2525.86	36,773	18,540	11	71	16	87	139	149	18,544	3,326	8	0	0	0	0	5
6	2525.93	36,915	18,611	11	55	14	69	151	157	18,621	3,403	8	0	0	0	0	6
7	2526.03	37,119	18,714	7	59	13	72	182	172	18,714	3,496	5	0	0	0	0	7
8	2526.23	37,530	18,921	8	64	15	79	294	294	18,921	3,703	6	0	0	0	0	8
9	2526.44	37,965	19,141	8	70	14	84	312	312	19,141	3,923	5	0	0	0	0	9
10	2526.57	38,236	19,277	9	75	14	89	234	234	19,277	4,059	6	0	0	0	0	10
11	2526.66	38,424	19,372	10	74	16	90	195	195	19,372	4,154	7	0	0	0	0	11
12	2526.75	38,614	19,468	9	78	13	91	196	209	19,481	4,263	6	0	0	0	0	12
13	2526.88	38,888	19,606	9	77	13	90	237	210	19,592	4,374	6	0	0	0	0	13
14	2526.97	39,079	19,702	12	77	13	90	198	191	19,681	4,463	8	0	0	0	0	14
15	2526.99	39,122	19,724	14	84	15	99	135	173	19,741	4,523	9	0	0	0	0	15
16	2526.98	39,100	19,713	18	163	16	179	186	166	19,710	4,492	12	0	0	0	0	16
17	2526.95	39,037	19,681	14	180	14	194	176	185	19,687	4,469	9	0	0	0	0	17
18	2526.95	39,037	19,681	6	173	15	188	194	194	19,687	4,469	4	0	0	0	0	18
19	2526.95	39,037	19,681	16	181	14	195	211	197	19,673	4,455	11	0	0	0	0	19
20	2526.93	38,994	19,659	12	180	16	196	186	192	19,657	4,439	8	0	0	0	0	20
21	2526.91	38,952	19,638	9	177	14	191	179	192	19,649	4,431	6	0	0	0	0	21
22	2526.92	38,973	19,649	10	176	14	190	211	187	19,636	4,418	7	0	0	0	0	22
23	2526.90	38,930	19,627	9	170	13	183	170	194	19,638	4,420	6	0	0	0	0	23
24	2526.90	38,930	19,627	10	178	13	191	201	184	19,621	4,403	7	0	0	0	0	24
25	2526.88	38,888	19,606	16	170	17	187	182	193	19,611	4,393	11	0	0	0	0	25
26	2526.88	38,888	19,606	13	170	13	183	196	180	19,595	4,377	9	0	0	0	0	26
27	2526.85	38,825	19,574	12	168	13	181	161	180	19,582	4,364	8	0	0	0	0	27
28	2526.84	38,803	19,563	15	177	3	180	184	173	19,560	4,342	10	0	0	0	0	28
29	2526.82	38,761	19,542	10	184	1	185	174	177	19,542	4,324	7	0	0	0	0	29
30	2526.81	38,740	19,531	10	183	1	184	183	183	19,531	4,313	7	0	0	0	0	30
TOTAL SECOND FOOT DAYS				326	3,707	391	4,098	5,599	5,599	19,531	4,313	224	0	0	0	0	
TOTAL ACRE-FEET				646	7,352	776	8,128	11,105	11,105	38,740	8,556	444	0	0	0	0	

By: MC Date: December 28, 2022

NOVEMBER 2022

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT							HACIENDA WATER DISTRICT						
							FLOW			FLOW ABOVE 1ST PT.			ENTITLEMENT		FLOW				
	ENT'L AT 1ST	FLOW AT 1ST	FLOW ABOVE 1ST	RESERVOIR		ENT'L AT 1ST	VIA	VIA	AT 2ND	SUKUT	RESERVOIR		Contributed by:		FOR	FOR	RESERVOIR		
DAY	POINT	POINT	POINT	LOSS	STORAGE	POINT	KDWD	CWD	POINT	CONSTRUCTION	LOSS	STORAGE	NKWSD	BVWSD	ID#4	KCWA	LOSS	STORAGE	DAY
Previous Day	148	118	19	7	660	0	0	0	0	0	4	2,478					0	0	
1	97	63	17	9	1,172	0	0	0	0	0	6	1,968					0	0	1
2	125	77	15	5	1,200	0	0	0	0	0	3	1,965					0	0	2
3	152	77	14	5	1,256	0	0	0	0	0	2	1,963					0	0	3
4	152	76	12	5	1,315	0	0	0	0	0	3	1,960					0	0	4
5	149	71	16	7	1,370	0	0	0	0	0	4	1,956					0	0	5
6	157	55	14	7	1,451	0	0	0	0	0	4	1,952					0	0	6
7	172	59	13	5	1,546	0	0	0	0	0	2	1,950					0	0	7
8	294	64	15	5	1,756	0	0	0	0	0	3	1,947					0	0	8
9	312	70	14	5	1,979	0	0	0	0	0	3	1,944					0	0	9
10	234	75	14	6	2,118	0	0	0	0	0	3	1,941					0	0	10
11	195	74	16	7	2,216	0	0	0	0	0	3	1,938					0	0	11
12	209	78	13	6	2,328	0	0	0	0	0	3	1,935					0	0	12
13	210	77	13	6	2,442	0	0	0	0	0	3	1,932					0	0	13
14	191	77	13	8	2,535	0	0	0	0	0	4	1,928					0	0	14
15	173	84	15	10	2,599	0	0	0	0	0	4	1,924					0	0	15
16	166	163	16	12	2,574	0	0	0	0	0	6	1,918					0	0	16
17	185	180	14	10	2,555	0	0	0	0	0	4	1,914					0	0	17
18	194	173	15	4	2,557	0	0	0	0	0	2	1,912					0	0	18
19	197	181	14	11	2,548	0	0	0	0	0	5	1,907					0	0	19
20	192	180	16	8	2,536	0	0	0	0	0	4	1,903					0	0	20
21	192	177	14	6	2,531	0	0	0	0	0	3	1,900					0	0	21
22	187	176	14	7	2,521	0	0	0	0	0	3	1,897					0	0	22
23	194	170	13	6	2,526	0	0	0	0	0	3	1,894					0	0	23
24	184	178	13	7	2,512	0	0	0	0	0	3	1,891					0	0	24
25	193	170	17	11	2,507	0	0	0	0	0	5	1,886					0	0	25
26	180	170	13	9	2,495	0	0	0	0	0	4	1,882					0	0	26
27	180	168	13	8	2,486	0	0	0	0	0	4	1,878					0	0	27
28	173	177	3	10	2,469	0	0	0	0	0	5	1,873					0	0	28
29	177	184	1	7	2,454	0	0	0	0	0	3	1,870					0	0	29
30	183	183	1	7	2,446	0	0	0	0	0	3	1,867					0	0	30
S.F.D.	5,599	3,707	391	219	2,446	0	0	0	0	0	107	1,867					0	0	S.F.D.
AC.FT.	11,105	7,352	776	434	4,852	0	0	0	0	0	212	3,704					0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 128,926 — TOTAL ACRE-FOOT STORAGE DAYS 114,238 — TOTAL ACRE-FOOT STORAGE DAYS 0

NOVEMBER 2022

WATERMASTER NOTES *** KERN RIVER BULLETIN

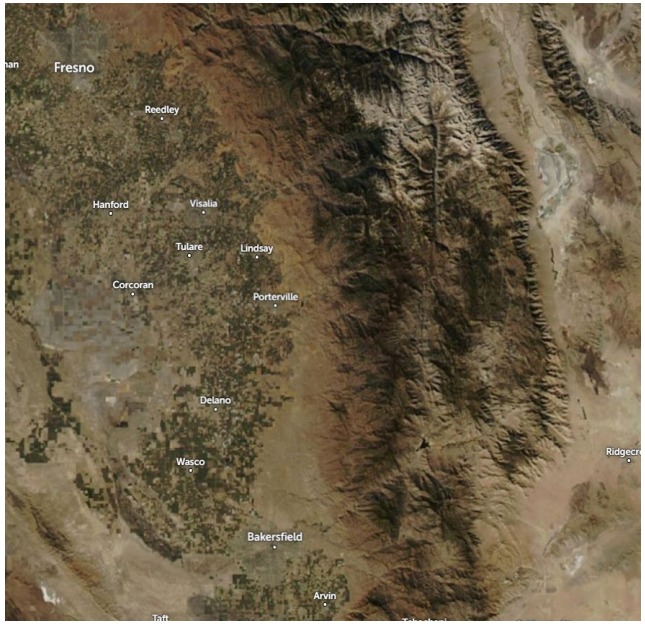
MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
NOVEMBER	1	2	BVWSD RESERVOIR STORAGE NKWSD RESERVOIR STORAGE	Reflects transfer of 1,000 acre-feet (504 s.f.d.) from BUENA VISTA WATER STORAGE DISTRICT to NORTH KERN WATER STORAGE DISTRICT via storage to City of Bakersfield

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

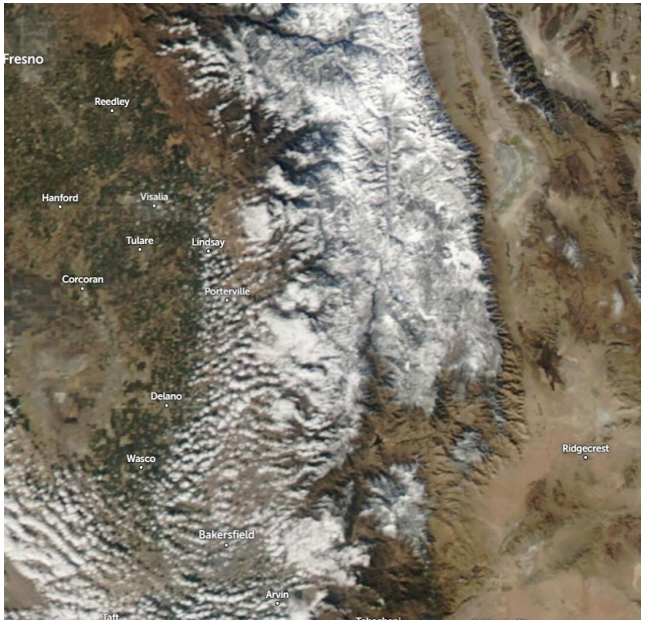
NOVEMBER

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**	**2022-23**	**1.04**
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



KERN RIVER WATERSHED 10-31-2022



KERN RIVER WATERSHED 11-10-2022

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

DECEMBER 2022

DAY	ISABELLA RESERVOIR ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET	S.F.D.	LOSS	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 Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) TOTAL	IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT KERN RIVER	FRIANT-KERN	FRIANT-KERN INFLOW	DAY
Previous Day	2526.81	38,740	19,531	10	183	1	184	183	183	19,531	4,313	7	0	0	0	0	
1	2526.79	38,698	19,510	9	176	3	179	167	201	19,544	4,326	6	0	0	0	0	1
2	2526.86	38,846	19,585	7	186	1	187	269	220	19,570	4,352	5	0	0	0	0	2
3	2526.88	38,888	19,606	4	200	1	201	226	240	19,605	4,387	3	0	0	0	0	3
4	2526.97	39,079	19,702	4	228	3	231	331	331	19,701	4,483	3	0	0	0	0	4
5	2527.15	39,463	19,896	5	231	1	232	431	431	19,895	4,677	3	0	0	0	0	5
6	2527.26	39,698	20,014	6	191	1	192	316	316	20,013	4,795	4	0	0	0	0	6
7	2527.32	39,828	20,080	6	185	1	186	258	263	20,084	4,866	4	0	0	0	0	7
8	2527.39	39,979	20,156	6	183	1	184	266	254	20,148	4,930	4	0	0	0	0	8
9	2527.50	40,217	20,276	9	108	1	109	238	244	20,274	5,056	6	0	0	0	0	9
10	2527.61	40,456	20,397	4	102	2	104	229	311	20,477	5,259	3	0	0	0	0	10
11	2527.90	41,092	20,717	5	140	1	141	466	360	20,691	5,473	3	0	0	0	0	11
12	2528.12	41,579	20,963	5	134	0	134	385	388	20,940	5,722	3	0	0	0	0	12
13	2528.29	41,958	21,154	6	117	1	118	315	328	21,144	5,926	4	0	0	0	0	13
14	2528.43	42,273	21,313	6	118	0	118	283	290	21,310	6,092	4	0	0	0	0	14
15	2528.57	42,589	21,472	5	107	2	109	273	277	21,473	6,255	3	0	0	0	0	15
16	2528.71	42,907	21,632	12	104	0	104	276	266	21,623	6,405	7	0	0	0	0	16
17	2528.83	43,181	21,770	7	104	1	105	250	256	21,767	6,549	4	0	0	0	0	17
18	2528.94	43,433	21,897	7	108	1	109	243	243	21,894	6,676	4	0	0	0	0	18
19	2529.05	43,686	22,025	6	102	0	102	236	233	22,019	6,801	3	0	0	0	0	19
20	2529.14	43,894	22,130	9	101	4	105	219	234	22,139	6,921	5	0	0	0	0	20
21	2529.26	44,172	22,270	8	100	0	100	248	227	22,258	7,040	5	0	0	0	0	21
22	2529.35	44,382	22,376	6	101	0	101	213	234	22,385	7,167	3	0	0	0	0	22
23	2529.46	44,640	22,506	7	103	2	105	242	225	22,498	7,280	4	0	0	0	0	23
24	2529.55	44,851	22,612	8	105	0	105	219	236	22,621	7,403	4	0	0	0	0	24
25	2529.66	45,110	22,743	9	105	1	106	246	233	22,739	7,521	5	0	0	0	0	25
26	2529.76	45,347	22,862	7	106	2	108	234	238	22,862	7,644	4	0	0	0	0	26
27	2529.98	45,871	23,127	9	101	0	101	375	375	23,127	7,909	5	0	0	0	0	27
28	2530.82	47,912	24,156	8	112	1	113	1,150	1,150	24,156	8,938	4	0	0	0	0	28
29	2531.24	48,958	24,683	5	117	1	118	650	650	24,683	9,465	3	0	0	0	0	29
30	2531.60	49,867	25,141	8	125	1	126	592	592	25,141	9,923	4	0	0	0	0	30
31	2532.06	51,047	25,736	7	127	0	127	729	729	25,736	10,518	3	0	0	0	0	31
TOTAL SECOND FOOT DAYS				210	4,127	33	4,160	10,575	10,575	25,736	10,518	125	0	0	0	0	
TOTAL ACRE-FEET				417	8,186	65	8,251	20,975	20,975	51,047	20,863	248	0	0	0	0	

By: MC Date: January 20, 2023

DECEMBER 2022

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT							HACIENDA WATER DISTRICT						
							FLOW			FLOW ABOVE 1ST PT.			ENTITLEMENT		FLOW				
	ENT'L AT 1ST	FLOW AT 1ST	FLOW ABOVE 1ST	RESERVOIR		ENT'L AT 1ST	VIA	VIA	AT 2ND		RESERVOIR		Contributed by:		FOR	FOR	RESERVOIR		
DAY	POINT	POINT	POINT	LOSS	STORAGE	POINT	KDWD	CWD	POINT		LOSS	STORAGE	NKWSD	BVWSD	ID#4	KCWA	LOSS	STORAGE	DAY
Previous Day	183	183	1	7	2,446	0	0	0	0	0	3	1,867					0	0	
1	201	176	3	6	2,462	0	0	0	0	0	3	1,864					0	0	1
2	220	186	1	5	2,490	0	0	0	0	0	2	1,862					0	0	2
3	240	200	1	3	2,526	0	0	0	0	0	1	1,861					0	0	3
4	331	228	3	3	2,623	0	0	0	0	0	1	1,860					0	0	4
5	431	231	1	3	2,819	0	0	0	0	0	2	1,858					0	0	5
6	316	191	1	4	2,939	0	0	0	0	0	2	1,856					0	0	6
7	263	185	1	4	3,012	0	0	0	0	0	2	1,854					0	0	7
8	254	183	1	4	3,078	0	0	0	0	0	2	1,852					0	0	8
9	244	108	1	6	3,207	0	0	0	0	0	3	1,849					0	0	9
10	311	102	2	3	3,411	0	0	0	0	0	1	1,848					0	0	10
11	360	140	1	4	3,626	0	0	0	0	0	1	1,847					0	0	11
12	388	134	0	4	3,876	0	0	0	0	0	1	1,846					0	0	12
13	328	117	1	4	4,082	0	0	0	0	0	2	1,844					0	0	13
14	290	118	0	4	4,250	0	0	0	0	0	2	1,842					0	0	14
15	277	107	2	4	4,414	0	0	0	0	0	1	1,841					0	0	15
16	266	104	0	9	4,567	0	0	0	0	0	3	1,838					0	0	16
17	256	104	1	5	4,713	0	0	0	0	0	2	1,836					0	0	17
18	243	108	1	5	4,842	0	0	0	0	0	2	1,834					0	0	18
19	233	102	0	4	4,969	0	0	0	0	0	2	1,832					0	0	19
20	234	101	4	7	5,091	0	0	0	0	0	2	1,830					0	0	20
21	227	100	0	6	5,212	0	0	0	0	0	2	1,828					0	0	21
22	234	101	0	4	5,341	0	0	0	0	0	2	1,826					0	0	22
23	225	103	2	5	5,456	0	0	0	0	0	2	1,824					0	0	23
24	236	105	0	6	5,581	0	0	0	0	0	2	1,822					0	0	24
25	233	105	1	7	5,701	0	0	0	0	0	2	1,820					0	0	25
26	238	106	2	5	5,826	0	0	0	0	0	2	1,818					0	0	26
27	375	101	0	7	6,093	0	0	0	0	0	2	1,816					0	0	27
28	1,150	112	1	6	7,124	0	0	0	0	0	2	1,814					0	0	28
29	650	117	1	4	7,652	0	0	0	0	0	1	1,813					0	0	29
30	592	125	1	6	8,112	0	0	0	0	0	2	1,811					0	0	30
31	729	127	0	6	8,713	0	0	0	0	0	1	1,805					0	0	31
S.F.D.	10,575	4,127	33	153	8,713	0	0	0	0	0	57	1,805					0	0	S.F.D.
AC.FT.	20,975	8,186	65	304	17,282	0	0	0	0	0	113	3,581					0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 285,238

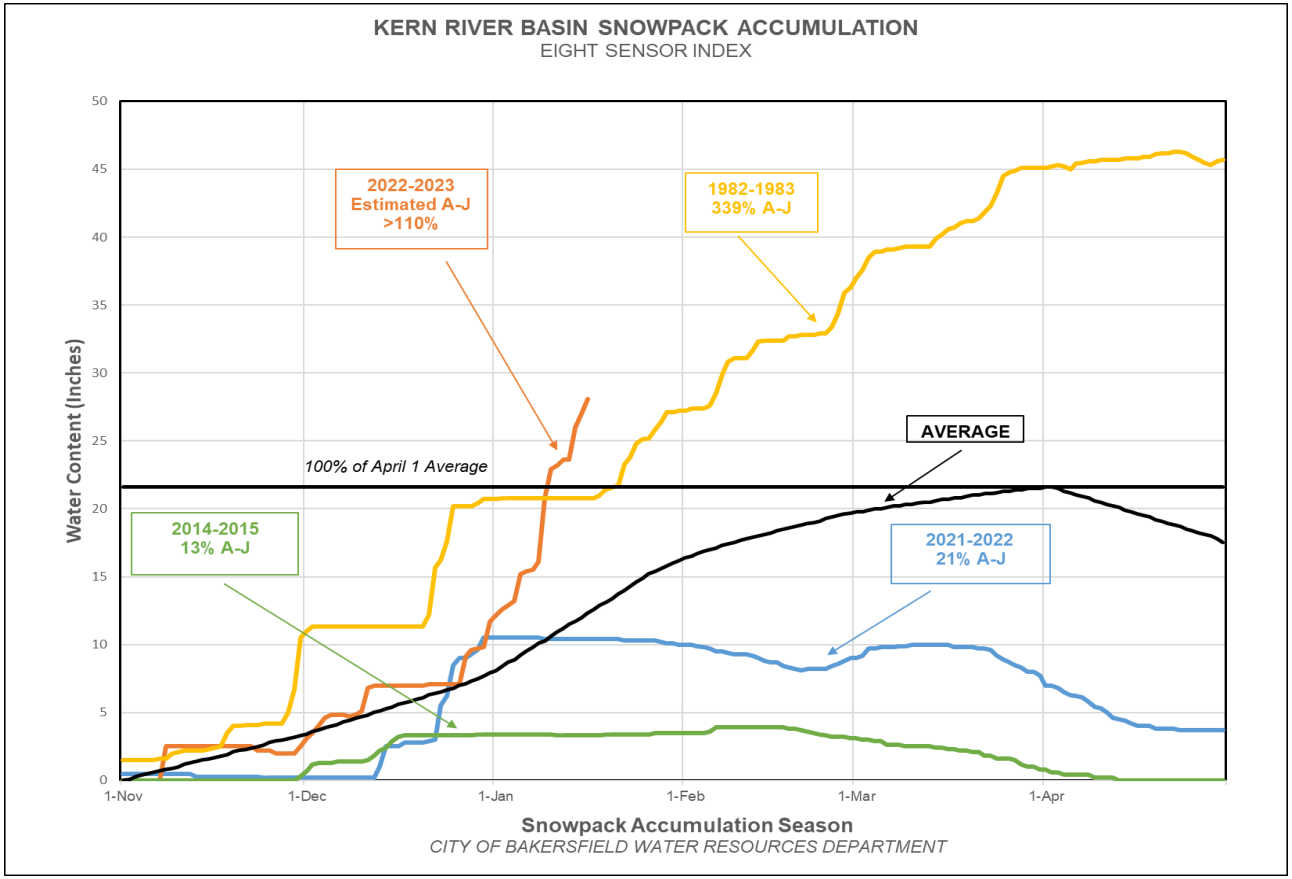
TOTAL ACRE-FOOT STORAGE DAYS 112,961

TOTAL ACRE-FOOT STORAGE DAYS 0

DECEMBER 2022

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
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 2022 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)



BAKERSFIELD
WATER RESOURCES

KERN RIVER
CENTRAL RECORDS
1888
CITY OF BAKERSFIELD SINCE 1976