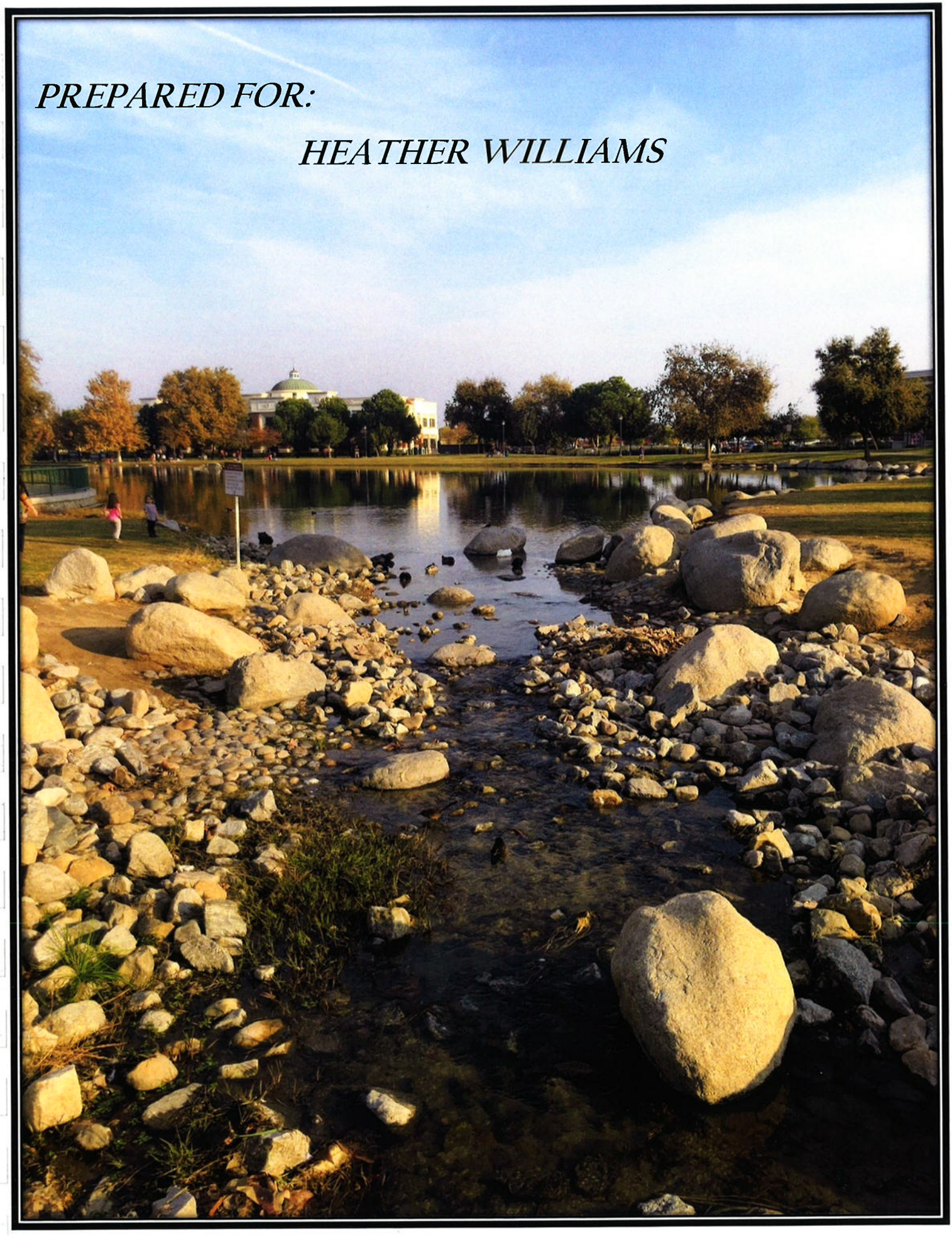
KERN RIVER 2020

Essential Employees Edition

PREPARED FOR:

HEATHER WILLIAMS



2020
HYDROGRAPHIC ANNUAL REPORT

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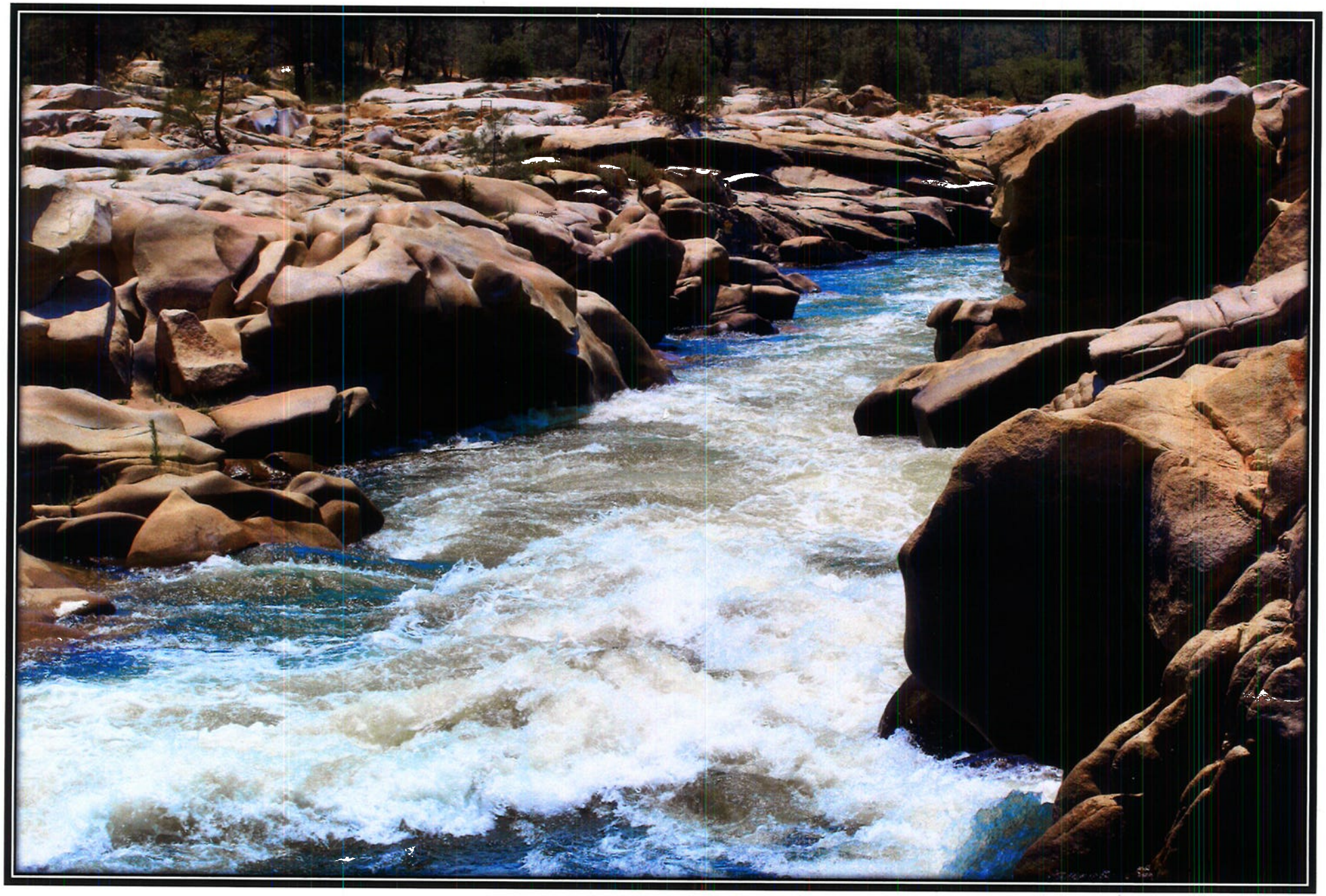
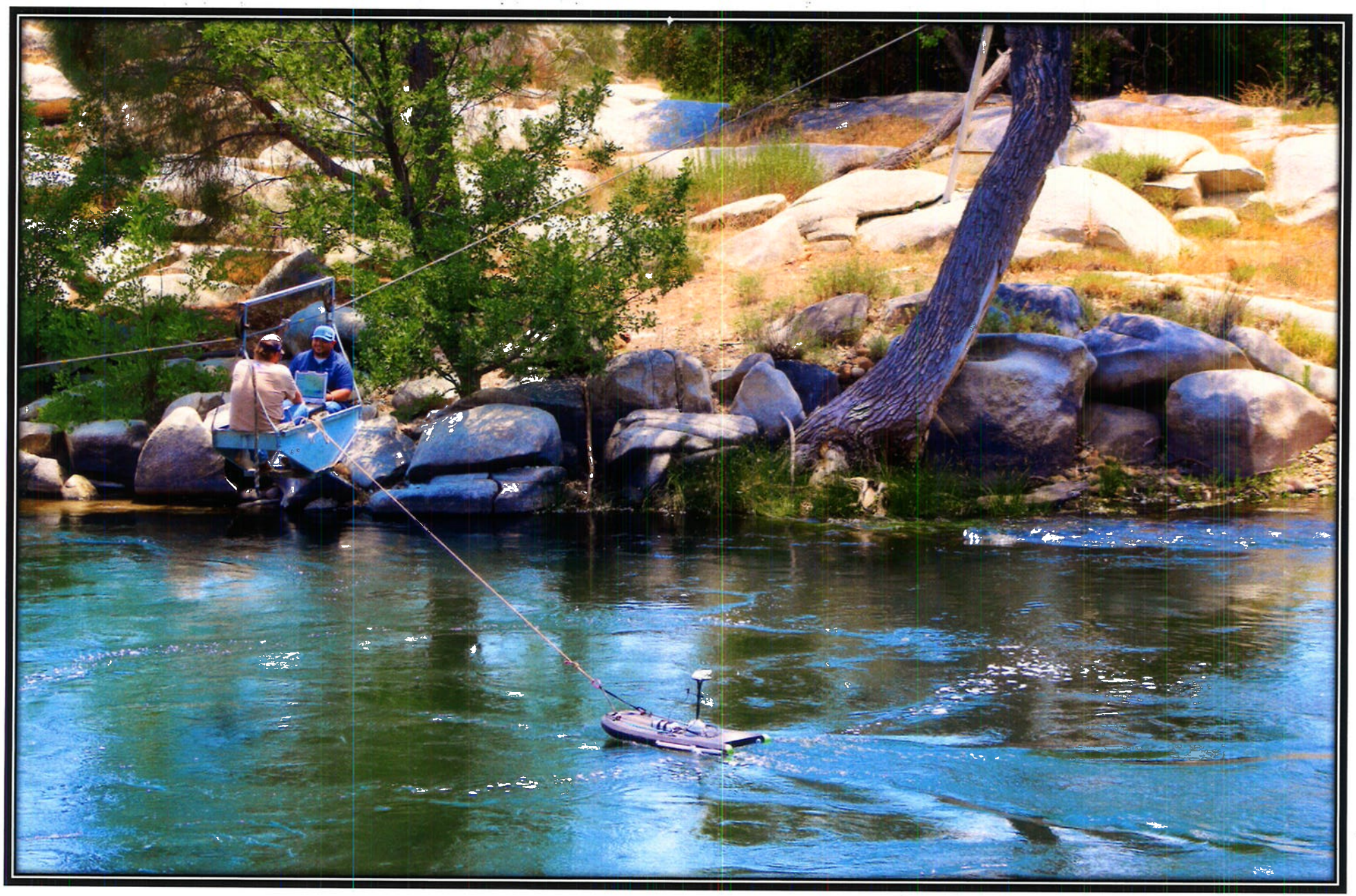
NORTH FORK AT KERNVILLE, CA



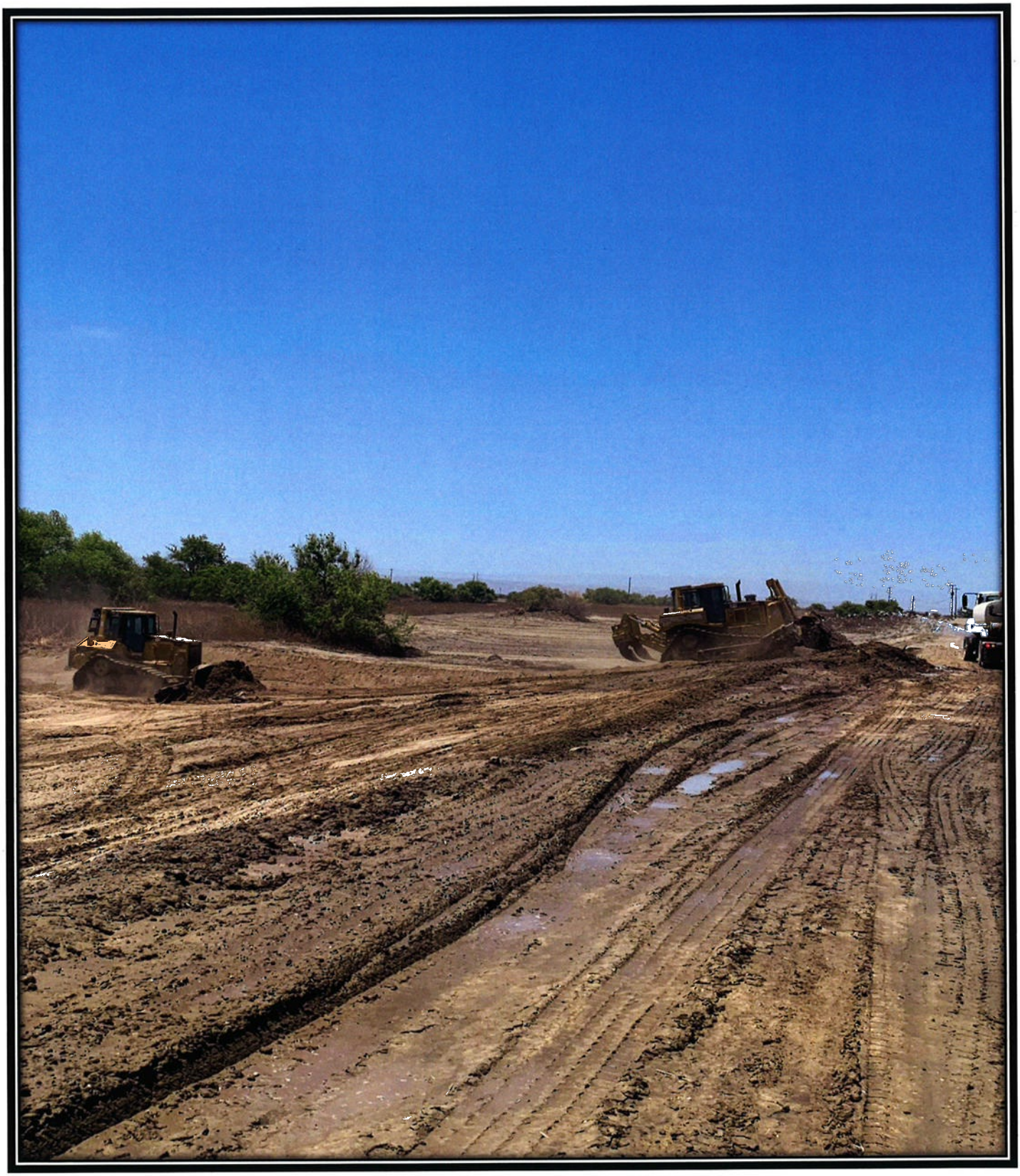
KERN RIVER BELOW MAIN DAM

THE MARK TWAIN II

OPERATED BY OMAR FLORES



STEVE ROSIER AND MIGUEL CHAVEZ CONDUCTNG STREAM FLOW MEASURMENTS BELOW DAM



BILLY GOLDSBERRY AND DOUGAN NOLAN CONDUCTING BASIN MAINTENANCE

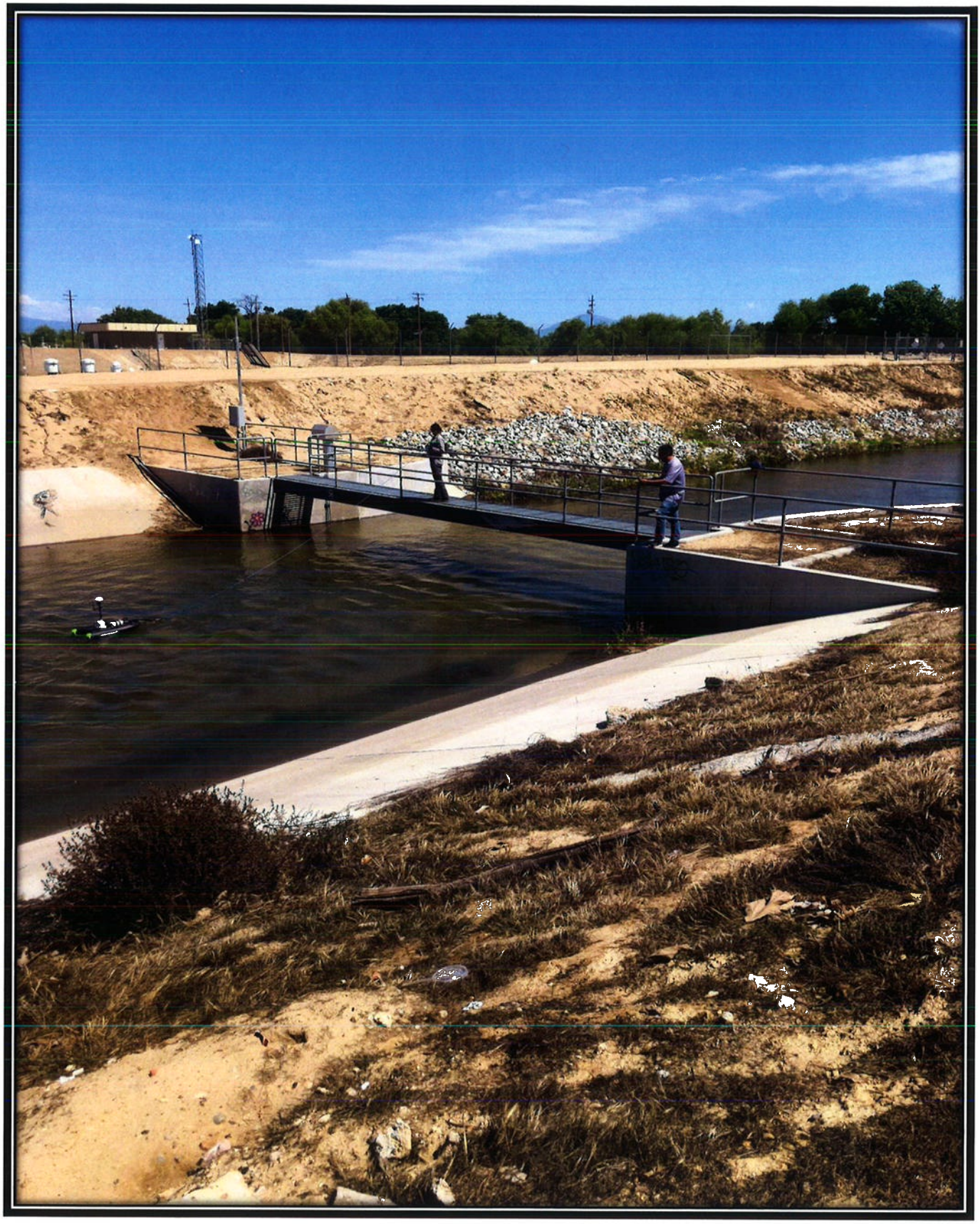
2800 ACRES FACILITY

WILSON DITCH

MIKE HERRERA FROM NKWSD CALCULATING WATER ORDERS

ERICK CHAVEZ PULLNG BOARDS AT BLOOMFIELD WEIR ON THE CENTRAL CANAL

DANIEL HERNANDEZ WELDING NEW CANAL HEADGATES



DANIEL MALDONADO AND LILIAN AMAYA

CONDUCTING STREAM FLOW MEASURMENTS IN THE RRBWSD CHANNEL

TYSON TILLMAN WELDING AT BEARDSLEY HEADGATE

HISTORICAL

KCL Company/City of Bakersfield Employees installing staff gauges

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

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

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

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

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1931	acre-feet	12,284	13,785	15,784	23,440	41,867	24,262	8,493	6,302	6,860	6,817	8,241	17,510	185,645	--	--	--
	mean s.f.d.	200	248	257	394	681	408	138	102	115	111	138	285	--	2,261	71	256
1932	acre-feet	22,235	39,596	68,647	111,273	154,742	166,404	94,013	28,243	13,593	13,942	12,077	12,962	737,727	--	--	--
	mean s.f.d.	362	688	1,116	1,870	2,517	2,797	1,529	459	228	227	203	211	--	3,726	180	1,016
1933	acre-feet	17,175	21,021	36,244	57,265	60,026	125,395	56,898	18,692	10,062	10,893	10,776	16,639	441,086	--	--	--
	mean s.f.d.	279	379	589	962	976	2,107	925	304	169	177	181	271	--	3,769	144	609
1934	acre-feet	20,033	16,842	27,429	39,919	43,065	21,820	11,341	6,948	7,043	8,196	11,272	13,757	227,665	--	--	--
	mean s.f.d.	326	303	446	671	700	367	184	113	118	133	189	224	--	914	82	314
1935	acre-feet	14,840	18,500	24,841	71,042	103,787	133,634	42,184	17,193	11,363	11,962	11,905	12,877	474,128	--	--	--
	mean s.f.d.	241	333	404	1,194	1,688	2,246	686	280	191	195	200	209	--	3,378	164	655
1936	acre-feet	14,737	46,808	57,374	157,290	219,404	137,028	67,902	32,987	14,372	15,423	15,828	17,294	796,447	--	--	--
	mean s.f.d.	240	814	933	2,643	3,568	2,303	1,104	536	242	251	266	281	--	4,173	194	1,097
1937	acre-feet	21,745	139,109	111,443	183,505	352,050	225,395	91,097	32,186	17,780	17,173	16,379	52,320	1,260,182	--	--	--
	mean s.f.d.	354	2,505	1,812	3,084	5,726	3,788	1,482	523	299	279	275	851	--	20,000	223	1,741
1938	acre-feet	31,265	42,456	162,121	223,928	315,044	291,880	130,917	54,155	28,693	27,475	24,748	26,003	1,358,685	--	--	--
	mean s.f.d.	508	764	2,637	3,763	5,124	4,905	2,129	881	482	447	416	423	--	14,582	356	1,877
1939	acre-feet	28,558	33,273	54,119	92,136	92,253	58,400	25,480	18,774	13,712	16,826	13,692	13,850	461,073	--	--	--
	mean s.f.d.	464	599	880	1,548	1,500	981	414	305	230	274	230	225	--	2,028	178	637
1940	acre-feet	45,082	65,032	77,810	118,175	196,465	145,503	50,471	18,926	13,234	14,670	16,007	27,723	789,098	--	--	--
	mean s.f.d.	733	1,131	1,265	1,986	3,195	2,445	821	308	222	239	269	451	--	5,454	167	1,087
1941	acre-feet	39,540	73,589	109,735	124,615	386,666	309,960	174,416	62,537	27,997	26,325	27,661	38,035	1,401,076	--	--	--
	mean s.f.d.	643	1,325	1,785	2,094	6,289	5,209	2,837	1,017	471	428	465	619	--	8,523	337	1,935
1942	acre-feet	49,438	40,834	58,487	112,586	150,036	178,754	81,529	30,284	16,500	14,648	16,130	22,740	771,966	--	--	--
	mean s.f.d.	804	735	951	1,892	2,440	3,004	1,326	493	277	238	271	370	--	4,060	141	1,066
1943	acre-feet	92,551	56,820	261,344	198,736	254,785	155,650	88,011	34,435	17,857	17,849	18,565	24,224	1,220,827	--	--	--
	mean s.f.d.	1,505	1,023	4,250	3,340	4,144	2,616	1,431	560	300	290	312	394	--	21,701	252	1,686
1944	acre-feet	27,473	32,781	69,836	80,223	150,109	115,862	59,197	20,305	12,843	12,952	21,521	22,435	625,537	--	--	--
	mean s.f.d.	447	570	1,136	1,348	2,441	1,947	963	330	216	211	362	365	--	3,071	191	862
1945	acre-feet	20,783	70,522	63,925	131,246	205,509	169,002	91,593	41,632	21,548	41,268	36,845	44,182	938,055	--	--	--
	mean s.f.d.	338	1,270	1,040	2,206	3,342	2,840	1,490	677	362	671	619	719	--	9,370	155	1,296
1946	acre-feet	45,481	34,854	60,958	109,658	155,476	85,880	39,733	20,091	13,261	16,141	31,365	37,785	650,683	--	--	--
	mean s.f.d.	740	628	991	1,843	2,529	1,443	646	327	223	263	527	615	--	3,814	192	899
1947	acre-feet	31,146	28,167	36,319	60,353	110,325	57,778	21,116	12,313	9,140	12,607	13,492	13,942	406,698	--	--	--
	mean s.f.d.	507	507	591	1,014	1,794	971	343	200	154	205	227	227	--	2,584	135	562
1948	acre-feet	13,486	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	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1951	acre-feet	32,975	30,018	35,101	48,914	85,039	88,990	38,941	12,966	7,793	9,364	11,958	40,163	442,222	--	--	--
	mean s.f.d.	536	541	571	822	1,383	1,496	633	211	131	152	201	653	--	8,341	69	611
1952	acre-feet	60,367	53,673	84,726	222,633	434,769	302,557	159,856	68,200	30,670	23,417	24,871	35,260	1,500,999	--	--	--
	mean s.f.d.	982	933	1,378	3,741	7,071	5,085	2,600	1,109	515	381	418	573	--	8,530	254	2,073
1953	acre-feet	60,760	40,498	38,709	70,730	86,019	103,164	69,657	21,503	12,730	13,125	15,023	16,915	548,833	--	--	--
	mean s.f.d.	988	729	630	1,189	1,399	1,734	1,133	350	214	213	252	275	--	3,798	119	758
1954	acre-feet	22,019	30,361	44,575	101,203	139,719	73,553	39,642	19,198	12,571	12,351	15,328	17,837	528,357	--	--	--
	mean s.f.d.	358	547	725	1,701	2,272	1,236	645	312	211	201	258	290	--	2,948	150	729
1955	acre-feet	20,438	24,625	29,734	37,567	69,544	86,660	31,014	19,293	9,840	10,100	12,526	92,959	444,300	--	--	--
	mean s.f.d.	332	443	484	631	1,131	1,456	504	314	165	164	211	1,512	--	12,711	101	614
1956	acre-feet	82,943	49,993	62,767	97,553	159,683	168,876	99,529	41,141	21,370	23,397	17,042	16,568	840,862	--	--	--
	mean s.f.d.	1,349	869	1,021	1,639	2,597	2,838	1,619	669	359	381	286	269	--	5,167	207	1,158
1957	acre-feet	18,535	26,178	31,357	38,644	79,355	132,359	41,988	17,518	12,111	13,648	14,013	18,632	444,338	--	--	--
	mean s.f.d.	301	471	510	649	1,291	2,224	683	285	204	222	235	303	--	3,411	147	614
1958	acre-feet	22,088	39,453	68,140	168,105	316,974	230,866	115,724	56,190	27,515	20,815	19,835	19,025	1,104,730	--	--	--
	mean s.f.d.	359	710	1,108	2,825	5,155	3,880	1,882	914	462	339	333	309	--	6,592	236	1,526
1959	acre-feet	20,592	22,258	33,274	40,566	39,945	32,061	18,013	10,094	9,852	9,689	10,419	11,215	257,978	--	--	--
	mean s.f.d.	335	401	541	682	650	539	293	164	166	158	175	182	--	944	104	356
1960	acre-feet	13,363	30,682	31,908	46,272	58,336	47,181	16,683	9,638	8,678	10,187	14,183	12,926	300,037	--	--	--
	mean s.f.d.	217	533	519	778	949	793	271	157	146	166	238	210	--	1,690	99	413
1961	acre-feet	11,466	10,905	14,221	24,137	29,980	24,305	8,952	16,018	8,463	7,353	9,554	12,288	177,642	--	--	--
	mean s.f.d.	186	196	231	406	488	408	146	261	142	120	161	200	--	626	99	245
1962	acre-feet	13,507	53,411	37,660	147,463	135,884	157,253	74,874	25,416	13,849	14,051	12,407	11,929	697,704	--	--	--
	mean s.f.d.	220	962	612	2,478	2,210	2,643	1,218	413	233	229	209	194	--	3,604	144	964
1963	acre-feet	27,793	101,595	42,994	69,412	137,839	163,944	105,384	47,008	28,883	27,291	25,837	23,470	801,450	--	--	--
	mean s.f.d.	452	1,829	699	1,167	2,242	2,755	1,714	765	485	444	434	382	--	15,584	160	1,107
1964	acre-feet	19,943	17,119	25,146	42,946	61,521	54,658	23,803	14,097	9,025	9,150	14,939	46,919	339,266	--	--	--
	mean s.f.d.	324	298	409	722	1,001	919	387	229	152	149	251	763	--	4,693	120	467
1965	acre-feet	46,768	31,702	36,359	80,043	131,980	149,357	95,288	49,105	22,036	17,631	29,542	30,551	720,362	--	--	--
	mean s.f.d.	761	571	591	1,345	2,146	2,510	1,550	799	370	287	496	497	--	3,322	226	995
1966	acre-feet	29,272	22,439	39,108	68,779	82,336	45,431	23,347	18,141	9,608	10,822	15,501	313,811	678,595	--	--	--
	mean s.f.d.	476	404	636	1,156	1,339	763	380	295	161	176	261	5,104	--	80,029	112	937
1967	acre-feet	63,580	65,831	86,200	99,509	269,631	311,063	243,802	94,834	55,255	36,230	34,546	35,746	1,396,227	--	--	--
	mean s.f.d.	1,034	1,185	1,402	1,672	4,385	5,228	3,965	1,542	929	589	581	581	--	7,223	419	1,928
1968	acre-feet	34,052	40,354	48,803	65,584	87,991	64,054	30,690	20,600	11,466	13,599	16,982	19,585	453,760	--	--	--
	mean s.f.d.	554	702	794	1,102	1,431	1,076	499	335	193	221	285	319	--	1,923	155	625
1969	acre-feet	178,493	111,342	157,595	378,333	617,968	496,796	254,777	111,100	49,936	36,036	34,862	34,132	2,461,370	--	--	--
	mean s.f.d.	2,903	2,005	2,563	6,358	10,050	8,349	4,144	1,807	839	586	586	555	--	24,216	344	3,400
1970	acre-feet	66,480	41,419	59,917	63,513	110,057	95,700	50,138	24,224	14,392	13,301	21,519	28,814	589,474	--	--	--
	mean s.f.d.	1,081	746	974	1,067	1,790	1,608	815	394	242	216	362	469	--	6,298	171	814

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

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

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

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

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

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

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

Acre-foot Quantities in Order of Magnitude

Year: 2020

YEAR	APR	MAY	JUN	JUL	TOTAL	% OF AVERAGE
2015	13,662	17,153	13,813	13,037	57,665	12%
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	20%
1977	23,391	25,630	35,655	10,973	95,649	21%
1931	23,440	41,867	24,262	8,493	98,062	21%
2013	32,212	39,509	19,494	11,700	102,915	22%
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	28%
1898	42,248	45,213	32,809	15,033	135,303	29%
1988	39,584	58,350	43,140	20,969	162,043	35%
1960	46,272	58,336	47,181	16,683	168,472	37%
2012	65,851	69,671	26,945	14,154	176,621	38%
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	41%
1928	37,757	76,885	60,344	18,716	193,702	42%
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	45%
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	46%
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	48%
2004	64,197	78,343	56,378	23,084	222,002	48%
1955	37,567	69,544	86,660	31,014	224,785	49%
2018	84,716	66,988	46,574	28,370	226,648	49%
1930	53,506	67,851	82,824	28,401	232,582	50%
1926	66,079	98,598	49,530	18,575	232,782	50%
1989	91,380	71,849	49,823	21,378	234,430	51%
1948	43,976	86,108	78,565	31,331	239,980	52%
1971	52,661	66,635	82,707	42,472	244,475	53%
1968	65,584	87,991	64,054	30,690	248,319	54%
1947	60,353	110,325	57,778	21,116	249,572	54%
2001	58,249	124,417	43,033	24,593	250,292	54%
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	58%
1991	58,092	79,763	100,423	38,265	276,543	60%
1957	38,644	79,355	132,359	41,988	292,346	63%
2009	63,650	130,352	65,252	35,907	295,161	64%
1894	88,974	98,801	64,564	43,061	295,400	64%
1933	57,265	60,026	125,395	56,898	299,584	65%
1950	76,155	98,483	90,367	34,901	299,906	65%
2000	67,388	129,406	81,396	28,306	306,496	66%
1925	56,408	102,016	96,252	58,437	313,113	68%
1904	59,812	113,205	103,904	39,725	316,646	69%
1970	63,513	110,057	95,700	50,138	319,408	69%
1921	51,723	100,096	120,387	49,119	321,325	70%
2003	56,146	113,472	118,383	37,075	325,076	70%
1953	70,730	86,019	103,164	69,657	329,570	71%
2008	80,991	123,177	89,078	38,095	331,341	72%
1923	73,355	120,849	82,528	55,800	332,532	72%
1918	74,513	78,722	136,753	44,828	334,816	73%

YEAR	APR	MAY	JUN	JUL	TOTAL	% OF AVERAGE
1919	86,574	140,215	81,844	34,364	342,997	74%
1935	71,042	103,787	133,634	42,184	350,647	76%
1910	102,883	127,733	79,464	42,046	352,126	76%
1954	101,203	139,719	73,553	39,642	354,117	77%
1905	62,047	117,748	132,766	53,835	366,396	79%
1896	57,864	86,174	146,124	82,760	372,922	81%
1975	46,602	147,001	140,660	51,917	386,180	84%
1902	107,403	109,904	128,853	43,436	389,596	84%
1946	109,658	155,476	85,880	39,733	390,747	85%
1903	74,315	132,097	139,222	53,355	398,989	86%
1944	80,223	150,109	115,862	59,197	405,391	88%
1979	102,079	164,935	106,112	46,733	419,859	91%
1984	91,359	161,613	93,114	77,046	423,132	92%
1985	136,241	146,799	99,858	41,395	424,293	92%
1920	83,370	158,904	137,840	50,699	430,813	93%
1915	80,916	124,506	172,324	77,496	455,242	99%
1965	80,043	131,980	149,357	95,288	456,668	99%
1963	69,412	137,839	163,944	105,384	476,579	103%
1940	118,175	196,465	145,503	50,471	510,614	111%
1962	147,463	135,884	157,253	74,874	515,474	112%
1927	100,362	184,721	161,153	75,481	521,717	113%
1942	112,586	150,036	178,754	81,529	522,905	113%
1956	97,553	159,683	168,876	99,529	525,641	114%
1932	111,273	154,742	166,404	94,013	526,432	114%
1974	114,113	183,733	167,740	69,580	535,166	116%
1917	126,329	165,062	187,638	81,275	560,304	121%
1997	142,909	214,290	142,358	71,919	571,476	124%
2010	95,484	163,601	226,437	94,875	580,397	126%
1936	157,290	219,404	137,028	67,902	581,624	126%
1901	83,190	186,446	197,792	114,613	582,041	126%
1993	133,993	200,864	162,420	87,414	584,691	127%
1945	131,246	205,509	169,002	91,593	597,350	129%
1996	147,959	225,987	154,883	70,502	599,331	130%
1922	84,407	242,259	202,395	88,649	617,710	134%
1897	173,393	281,639	137,393	61,837	654,262	142%
1907	197,720	199,950	183,995	97,083	678,748	147%
1914	144,934	210,676	201,064	128,338	685,012	148%
1895	162,071	268,635	172,890	91,133	694,729	151%
1943	198,736	254,785	155,650	88,011	697,182	151%
1911	138,113	184,481	222,076	156,498	701,168	152%
1973	110,892	288,652	230,390	93,834	723,768	157%
2005	132,119	288,847	238,352	129,182	788,500	171%
2006	147,043	309,409	232,520	106,756	795,728	172%
1982	212,963	254,985	198,748	130,098	796,794	173%
1958	168,105	316,974	230,866	115,724	831,669	180%
1937	183,505	352,050	225,395	91,097	852,047	185%
1986	208,147	293,335	263,794	121,398	886,674	192%
2019	203,673	251,734	302,910	154,203	912,520	198%
1967	99,509	269,631	311,063	243,802	924,005	200%
1995	143,244	255,046	293,129	237,802	929,221	201%
2011	231,304	261,005	274,675	175,874	942,858	204%
1938	223,928	315,044	291,880	130,917	961,769	208%
1980	211,608	287,825	282,877	208,715	991,025	215%
1941	124,615	386,666	309,960	174,416	995,657	216%
1978	181,700	363,157	354,825	194,693	1,094,375	237%
1952	222,633	434,769	302,557	159,856	1,119,815	243%
1998	189,663	308,440	371,835	267,435	1,137,373	246%
2017	290,457	385,311	343,801	180,930	1,200,499	260%
1909	247,402	382,617	394,086	194,870	1,218,975	264%
1906	173,143	360,234	458,418	399,841	1,391,636	302%
1983	206,473	478,625	571,846	288,866	1,545,810	335%
1916	481,749	472,994	391,700	225,154	1,571,597	341%
1969	378,333	617,968	496,796	254,777	1,747,874	379%
MAXIMUM	481,749	617,968	571,846	399,841	1,747,874	
MINIMUM	13,662	17,153	13,813	7,016	57,665	
AVERAGE	99,132	154,344	136,901	71,033	461,410	

KERN RIVER AT FIRST POINT OF MEASUREMENT
HISTORICAL MONTHLY NATURAL FLOWS

YEAR: 2020

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	37,712	43,752	65,265	99,132	154,344	136,901	71,033	30,601	17,918	17,165	19,686	27,513	721,022
Mean Monthly Flow (second foot days)	613	781	1,061	1,666	2,510	2,301	1,155	498	301	279	331	447	995
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	13,813	7,016	5,028	3,513	5,960	7,880	9,148	
Year of Occurrence	*2014*	*1991*	*2015*	*2015*	*2015*	*2015*	*2014*	*2015*	*2015*	*2014*	*2014*	*1990*	
Number Months of Record	127	127	127	127	127	127	127	127	127	128	128	128	
Cumulative Monthly Flow	4,789,378	5,556,551	8,288,693	12,589,778	19,601,717	17,386,427	9,021,191	3,886,363	2,275,608	2,197,130	2,519,798	3,521,651	
Median Monthly Flow	23,857	30,107	47,028	74,414	118,209	104,878	45,657	21,084	13,375	14,114	15,721	19,258	527,702
Median Monthly Flow (second foot days)	388	537	765	1,251	1,922	1,763	743	343	225	230	264	313	728

MEAN APRIL - JULY RUNOFF TO DATE = 461,410 AcFt
MEDIAN APRIL - JULY RUNOFF TO DATE = 343,158 AcFt

MEAN MARCH - OCTOBER RUNOFF TO DATE = 592,359 AcFt
MEDIAN MARCH - OCTOBER RUNOFF TO DATE = 438,759 AcFt

Kern River Mean Natural Flow at First Point of Measurement

DISCHARGE IN CUBIC FEET PER SECOND (1893 to Date) Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	462	713	854	1,297	2,132	2,645	1,663	714	360	290	288	345
2	508	683	892	1,304	2,161	2,624	1,641	689	355	287	284	356
3	590	654	957	1,325	2,205	2,618	1,616	669	353	285	282	366
4	503	614	933	1,341	2,267	2,615	1,587	651	344	282	279	381
5	562	612	972	1,366	2,313	2,663	1,535	627	355	279	281	472
6	510	691	969	1,388	2,347	2,653	1,494	611	358	286	281	988
7	495	829	909	1,418	2,366	2,645	1,450	594	336	278	284	495
8	519	801	915	1,470	2,397	2,609	1,405	580	323	281	348	416
9	537	807	981	1,474	2,430	2,555	1,360	565	313	281	364	419
10	535	776	1,017	1,482	2,460	2,528	1,320	556	303	278	312	427
11	549	716	1,022	1,559	2,460	2,488	1,273	546	299	276	313	436
12	567	723	983	1,569	2,459	2,459	1,238	533	303	274	309	422
13	571	809	991	1,563	2,483	2,439	1,210	511	294	274	304	404
14	648	820	1,003	1,582	2,509	2,408	1,185	492	285	279	306	381
15	576	802	986	1,605	2,532	2,383	1,146	490	282	276	303	377
16	585	773	1,023	1,647	2,549	2,338	1,118	482	277	273	304	388
17	584	795	1,046	1,671	2,572	2,306	1,086	470	275	278	312	387
18	643	885	1,099	1,707	2,601	2,264	1,059	467	273	277	325	385
19	622	880	1,094	1,753	2,632	2,229	1,027	464	268	277	437	476
20	593	874	1,092	1,803	2,633	2,199	1,001	451	268	278	394	444
21	605	828	1,133	1,844	2,627	2,165	969	433	269	276	355	398
22	690	826	1,137	1,879	2,631	2,130	941	418	268	273	363	419
23	719	842	1,153	1,893	2,621	2,081	927	409	267	273	351	531
24	704	824	1,144	1,911	2,627	2,018	922	395	267	272	369	476
25	907	825	1,178	1,933	2,644	1,961	884	386	281	270	371	476
26	881	816	1,196	1,972	2,683	1,898	857	375	316	277	353	451
27	744	823	1,228	2,002	2,692	1,852	836	374	295	281	365	479
28	700	817	1,238	2,052	2,698	1,801	806	374	280	281	359	464
29	628	818	1,245	2,069	2,709	1,751	775	372	285	281	352	457
30	609	-	1,244	2,100	2,698	1,696	754	367	282	287	377	501
31	667	-	1,271	-	2,677	-	727	363	-	294	-	454
TOTAL	19,013	22,058	32,905	49,979	77,815	69,021	35,812	15,428	9,034	8,654	9,925	13,871
MAXIMUM DAY	907	885	1,271	2,100	2,709	2,663	1,663	714	360	294	437	988
MINIMUM DAY	462	612	854	1,297	2,132	1,696	727	363	267	270	279	345
MEAN	613	781	1,061	1,666	2,510	2,301	1,155	498	301	279	331	447
TOTAL AC. FT.	37,712	43,752	65,265	99,132	154,344	136,901	71,033	30,601	17,918	17,165	19,686	27,513

WHOLE YEAR:- TOTAL, 363,515 MAX., 2,709 MIN., 267 MEAN, 995 TOTAL AC.FT., 721,022

Kern River Median Natural Flow at First Point of Measurement

DISCHARGE IN CUBIC FEET PER SECOND (1893 to Date) Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	345	441	616	1,018	1,621	2,108	1,133	479	250	225	245	281
2	344	429	633	1,044	1,662	2,098	1,015	461	252	226	255	283
3	345	452	609	1,015	1,661	2,000	1,072	454	250	225	251	300
4	354	459	626	1,014	1,698	2,060	1,038	447	254	226	250	302
5	355	463	685	1,047	1,685	2,018	989	422	244	220	257	303
6	375	470	675	1,098	1,712	2,087	963	415	243	212	249	314
7	371	472	648	1,172	1,679	2,249	951	400	236	223	251	309
8	373	508	629	1,198	1,694	2,139	882	381	235	225	254	307
9	379	506	650	1,185	1,743	2,097	843	373	235	225	259	298
10	365	519	633	1,181	1,831	2,068	810	374	237	224	262	296
11	375	532	648	1,185	1,846	2,062	801	353	228	222	262	298
12	386	536	661	1,180	1,886	2,072	796	351	226	220	259	299
13	385	564	622	1,213	1,980	2,066	760	352	228	227	262	314
14	391	549	672	1,203	1,906	2,030	780	341	223	226	270	314
15	369	530	714	1,175	1,903	2,001	730	335	218	223	266	316
16	376	551	713	1,195	1,869	1,895	712	331	216	227	264	322
17	373	592	729	1,190	2,001	1,775	682	322	221	227	265	321
18	375	593	746	1,245	2,042	1,679	682	319	219	230	267	308
19	385	580	774	1,239	2,125	1,574	665	309	218	236	276	305
20	403	568	794	1,292	2,069	1,514	661	304	214	237	269	315
21	393	566	871	1,330	2,011	1,470	645	305	218	236	266	306
22	408	570	847	1,379	2,040	1,474	602	290	214	228	265	324
23	414	569	876	1,394	2,040	1,412	603	299	211	233	277	331
24	425	574	878	1,425	2,079	1,394	569	288	206	231	277	328
25	422	593	903	1,406	2,077	1,329	557	294	208	232	281	331
26	408	599	953	1,454	2,049	1,285	561	274	213	239	278	319
27	408	622	979	1,485	2,080	1,251	535	275	209	246	270	327
28	423	626	986	1,511	2,115	1,273	516	270	200	244	267	326
29	419	598	964	1,504	2,120	1,213	502	270	204	242	277	328
30	432	-	973	1,540	2,212	1,183	484	272	213	240	275	339
31	452	-	1,003	-	2,161	-	480	270	-	239	-	345
TOTAL	12,028	15,179	23,710	37,517	59,597	52,876	23,019	10,630	6,743	7,116	7,926	9,709
MAXIMUM DAY	452	626	1,003	1,540	2,212	2,249	1,133	479	254	246	281	345
MINIMUM DAY	344	429	609	1,014	1,621	1,183	480	270	200	212	245	281
MEAN	388	537	765	1,251	1,922	1,763	743	343	225	230	264	313
TOTAL AC. FT.	23,857	30,107	47,028	74,414	118,209	104,878	45,657	21,084	13,375	14,114	15,721	19,258

WHOLE YEAR:- TOTAL, 266,050 MAX., 2,249 MIN., 200 MEAN, 728 TOTAL AC.FT., 527,702

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	62,937	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	96,757	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	6,037	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	15,586	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	26,584	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
MAXIMUM	**146,180**	**142,831**	**275,920**	**378,817**	**370,706**	**419,760**	**387,505**	**240,154**	**153,814**	**117,233**	**101,403**	**90,549**	**2,381,575**
MINIMUM	**10,582**	**8,837**	**14,017**	**14,295**	**16,780**	**19,321**	**14,994**	**5,313**	**3,415**	**6,777**	**7,117**	**4,784**	**139,757**
AcFt TOTAL	**1,974,381**	**2,305,755**	**3,393,437**	**4,345,366**	**5,906,464**	**7,687,647**	**7,230,446**	**5,277,295**	**2,757,345**	**2,188,446**	**1,684,754**	**1,595,591**	**46,346,927**
AcFt AVERAGE	**29,468**	**34,414**	**50,648**	**64,856**	**88,156**	**114,741**	**107,917**	**78,766**	**41,155**	**32,663**	**25,146**	**23,815**	**691,745**
S.F.D. AVERAGE	**479**	**614**	**824**	**1,090**	**1,434**	**1,928**	**1,755**	**1,281**	**692**	**531**	**423**	**387**	**953**
% OF TOTAL	**4.26%**	**4.97%**	**7.32%**	**9.38%**	**12.74%**	**16.59%**	**15.60%**	**11.39%**	**5.95%**	**4.72%**	**3.64%**	**3.44%**	**100.00%**

Kern River Mean Regulated Flow at First Point of Measurement

DISCHARGE IN CUBIC FEET PER SECOND (1954 to Date) Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	431	509	764	917	1,282	1,656	1,903	1,489	870	617	433	396
2	437	515	757	937	1,304	1,702	1,867	1,464	849	622	425	378
3	427	529	764	942	1,312	1,753	1,859	1,468	831	608	428	369
4	431	531	770	943	1,349	1,797	1,833	1,459	818	597	431	373
5	448	527	770	962	1,358	1,824	1,861	1,464	791	589	426	383
6	481	540	783	967	1,358	1,844	1,880	1,467	769	603	428	439
7	452	543	786	983	1,355	1,877	1,882	1,452	749	581	423	386
8	448	544	779	1,010	1,375	1,895	1,892	1,439	734	569	423	374
9	444	619	774	1,034	1,384	1,915	1,893	1,447	715	567	427	367
10	444	606	791	1,058	1,387	1,927	1,876	1,441	703	556	427	362
11	439	581	813	1,073	1,383	1,942	1,847	1,429	695	543	436	361
12	444	582	796	1,083	1,397	1,954	1,838	1,407	684	518	432	367
13	447	591	803	1,083	1,404	1,968	1,815	1,378	674	519	435	366
14	450	612	798	1,089	1,404	1,986	1,816	1,353	674	519	423	363
15	455	609	815	1,103	1,394	1,985	1,813	1,342	665	511	418	368
16	473	603	821	1,107	1,401	1,996	1,800	1,329	665	504	422	365
17	475	604	832	1,113	1,402	2,033	1,763	1,306	659	494	426	367
18	487	615	823	1,117	1,416	2,040	1,727	1,307	648	503	420	389
19	491	628	824	1,136	1,425	2,042	1,710	1,279	640	507	421	416
20	490	659	836	1,137	1,456	2,014	1,683	1,242	634	510	422	402
21	492	663	851	1,143	1,474	2,013	1,703	1,213	631	512	426	388
22	485	684	859	1,150	1,490	2,023	1,686	1,174	633	507	419	384
23	496	713	867	1,162	1,508	2,008	1,676	1,150	636	504	410	391
24	523	718	869	1,180	1,515	2,021	1,651	1,132	635	502	399	390
25	538	710	873	1,178	1,521	2,002	1,629	1,106	631	500	412	387
26	557	714	872	1,189	1,515	1,968	1,628	1,067	631	496	418	388
27	547	721	883	1,205	1,523	1,921	1,615	1,036	628	490	417	401
28	529	732	887	1,208	1,538	1,904	1,588	1,010	624	484	420	411
29	523	584	877	1,227	1,567	1,927	1,574	983	626	488	415	424
30	535	-	891	1,262	1,604	1,912	1,566	958	607	484	416	425
31	538	-	907	-	1,644	-	1,534	920	-	464	-	427
TOTAL	14,857	17,350	25,535	32,698	44,445	57,849	54,408	39,711	20,749	16,468	12,678	12,007
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	479	614	824	1,090	1,434	1,928	1,755	1,281	692	531	423	387
TOTAL AC. FT.	29,468	34,414	50,648	64,856	88,156	114,741	107,917	78,766	41,155	32,663	25,146	23,815

WHOLE YEAR : TOTAL, 348,755 MAX., 9,289 MIN., 22 MEAN, 953 TOTAL AC.FT., 691,745

Isabella Reservoir Daily Mean Storage (1954-2020)

MIDNIGHT STORAGE IN ACRE-FEET — **Year: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	146,177	157,612	168,939	183,460	213,958	274,331	285,999	242,035	190,618	165,095	147,345	140,934
2	146,430	157,972	169,324	184,254	215,559	275,999	285,277	240,388	189,525	164,337	146,989	140,878
3	146,999	158,150	169,655	185,016	217,154	277,576	284,511	238,659	188,446	163,453	146,637	140,926
4	147,287	158,313	170,057	185,810	218,847	279,016	283,729	236,887	187,404	162,875	146,277	140,894
5	147,731	158,473	170,612	186,542	220,525	280,563	282,792	235,079	186,475	162,178	145,908	141,231
6	147,913	158,768	171,063	187,264	222,269	281,971	281,788	233,220	185,592	161,469	145,567	143,396
7	148,118	159,189	171,388	188,030	223,969	283,343	280,711	231,368	184,679	160,790	145,220	143,847
8	148,406	159,768	171,729	188,845	225,656	284,521	279,497	229,550	183,771	160,107	145,141	143,978
9	148,782	160,359	172,018	189,638	227,426	285,539	278,208	227,656	182,860	159,433	145,103	144,050
10	149,111	160,905	172,381	190,352	229,325	286,467	276,881	225,770	181,953	158,767	144,869	144,146
11	149,485	161,282	172,809	191,265	231,176	287,238	275,511	223,919	181,066	158,135	144,612	144,315
12	149,936	161,586	173,162	192,174	232,986	287,888	274,083	222,080	180,227	157,566	144,326	144,390
13	150,437	162,084	173,465	193,063	234,855	288,354	272,660	220,242	179,370	156,977	144,045	144,443
14	150,906	162,638	173,821	193,929	236,723	288,809	271,230	218,426	178,491	156,420	143,779	144,457
15	151,174	163,115	174,124	194,819	238,675	289,172	269,697	216,630	177,623	155,870	143,523	144,459
16	151,549	163,535	174,473	195,704	240,681	289,503	268,167	214,864	176,732	155,335	143,245	144,511
17	151,881	163,962	174,864	196,643	242,723	289,684	266,625	213,097	175,877	154,821	143,012	144,522
18	152,072	164,723	175,222	197,621	244,816	289,736	265,131	211,316	175,033	154,300	142,823	144,563
19	152,372	165,393	175,612	198,639	247,039	289,814	263,594	209,609	174,191	153,763	142,610	144,839
20	152,660	166,084	176,001	199,714	249,280	289,911	262,006	207,949	173,371	153,243	142,388	145,111
21	152,977	166,555	176,491	200,844	251,458	289,943	260,365	206,289	172,581	152,679	142,197	145,168
22	153,303	166,952	177,075	202,002	253,666	289,880	258,760	204,694	171,761	152,130	142,060	145,325
23	153,650	167,317	177,699	203,137	255,845	289,766	257,128	203,111	170,936	151,589	141,906	145,874
24	154,052	167,609	178,267	204,247	257,989	289,490	255,503	201,562	170,131	151,062	141,796	146,185
25	155,061	167,926	178,822	205,412	260,048	289,152	253,853	200,016	169,374	150,517	141,721	146,464
26	155,722	168,298	179,362	206,605	262,155	288,790	252,159	198,537	168,749	150,012	141,573	146,692
27	156,133	168,392	179,961	207,930	264,282	288,437	250,476	197,106	168,044	149,546	141,374	146,989
28	156,396	168,613	180,645	209,352	266,416	287,985	248,787	195,718	167,290	149,064	141,208	147,165
29	156,561	171,110	181,288	210,848	268,549	287,388	247,065	194,360	166,549	148,734	141,068	147,338
30	156,683	-	181,955	212,388	270,529	286,714	245,356	193,039	165,826	148,144	141,029	147,457
31	157,044	-	182,686	-	272,476	-	243,658	191,775	-	147,747	-	147,547
MAXIMUM DAY	157,044	171,110	182,686	212,388	272,476	289,943	285,999	242,035	190,618	165,095	147,345	147,547
MINIMUM DAY	146,177	157,612	168,939	183,460	213,958	274,331	243,658	191,775	165,826	147,747	141,029	140,878

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	36.5	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
MEAN	16.7	19.1	29.3	38.3	43.2	61.9	92.8	149.9	133.6	70.0	31.1	18.8	704.6

PRECIPITATION DATA -- ISABELLA DAM & RESERVOIR

OCTOBER 1949 TO DATE

(In Inches)

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1949-50	0.05	0.65	1.32	1.37	2.60	1.02	0.44	0.00	0.00	0.23	0.11	0.21	8.00
1950-51	0.08	3.16	0.98	1.12	0.18	0.11	0.93	0.03	0.00	0.00	0.00	0.00	6.59
1951-52	0.35	0.47	4.77	5.52	0.37	3.26	0.12	0.00	0.00	0.00	0.00	0.11	14.97
1952-53	0.00	1.98	3.09	2.39	0.04	0.67	1.20	0.20	0.00	0.00	0.09	0.00	9.66
1953-54	0.13	0.90	0.78	1.88	2.26	2.13	0.16	0.07	0.00	0.00	0.00	0.02	8.33
1954-55	0.00	0.80	1.30	2.47	1.05	0.00	0.67	0.78	0.00	0.00	0.00	0.00	7.07
1955-56	0.00	1.34	4.01	4.25	0.26	0.03	1.51	0.43	0.00	0.20	0.00	0.00	12.03
1956-57	0.42	0.00	0.17	1.88	0.96	0.84	0.72	1.03	0.01	0.02	0.00	0.00	6.05
1957-58	0.19	0.33	1.63	3.09	4.45	3.63	2.77	0.24	0.00	0.00	0.05	0.20	16.58
1958-59	0.17	0.49	0.02	0.64	1.54	0.08	0.45	0.07	0.00	0.00	0.00	0.34	3.80
1959-60	0.00	0.00	0.97	1.77	6.48	0.43	1.28	0.34	0.00	0.00	0.00	0.07	11.34
1960-61	0.12	1.26	0.12	0.50	0.01	1.59	0.51	0.16	0.11	0.02	**1.20**	0.00	5.60
1961-62	0.00	2.15	0.79	2.55	5.35	1.26	0.00	0.08	0.00	0.00	0.00	0.00	12.18
1962-63	0.03	0.00	0.00	1.52	3.06	2.06	1.07	0.13	0.72	0.00	1.16	1.16	10.91
1963-64	2.02	1.20	0.46	0.97	0.07	1.93	0.84	0.10	0.03	0.00	0.01	0.00	7.63
1964-65	0.47	1.82	3.99	1.75	0.27	1.21	2.58	0.18	0.13	0.39	0.50	0.20	13.49
1965-66	0.00	2.76	2.37	0.66	0.75	0.22	0.00	0.00	0.00	0.00	0.80	0.00	7.56
1966-67	0.00	1.09	11.53	2.49	0.02	0.63	2.75	0.18	0.24	0.30	0.23	1.63	21.09
1967-68	0.00	1.41	1.85	0.82	0.85	1.55	0.77	0.01	0.00	0.01	0.11	0.00	7.38
1968-69	0.35	1.28	1.65	9.56	6.12	1.14	0.95	0.35	0.34	0.27	0.00	0.10	22.11
1969-70	0.07	0.56	0.24	3.91	0.54	1.89	0.43	0.00	0.00	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
AVERAGE	0.35	1.16	2.06	2.43	2.09	1.58	0.69	0.27	0.07	0.13	0.16	0.28	11.27
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
Normal	45.1	47.6	51.3	56.2	64.2	73.7	80.5	79.2	73.0	62.6	52.0	45.1	60.9
Maximum	52.0	56.1	59.3	64.1	73.0	80.0	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
MEAN	6.36	3.48	2.26	2.32	2.84	4.77	7.01	10.20	12.90	14.50	13.13	9.68	89.45

ISABELLA RESERVOIR EVAPORATION

April 1954 to Date

Quantities in acre-feet

Year: 2020

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
MEAN	827	916	1,551	2,412	4,111	5,918	6,717	5,699	4,006	2,616	1,412	884	37,070

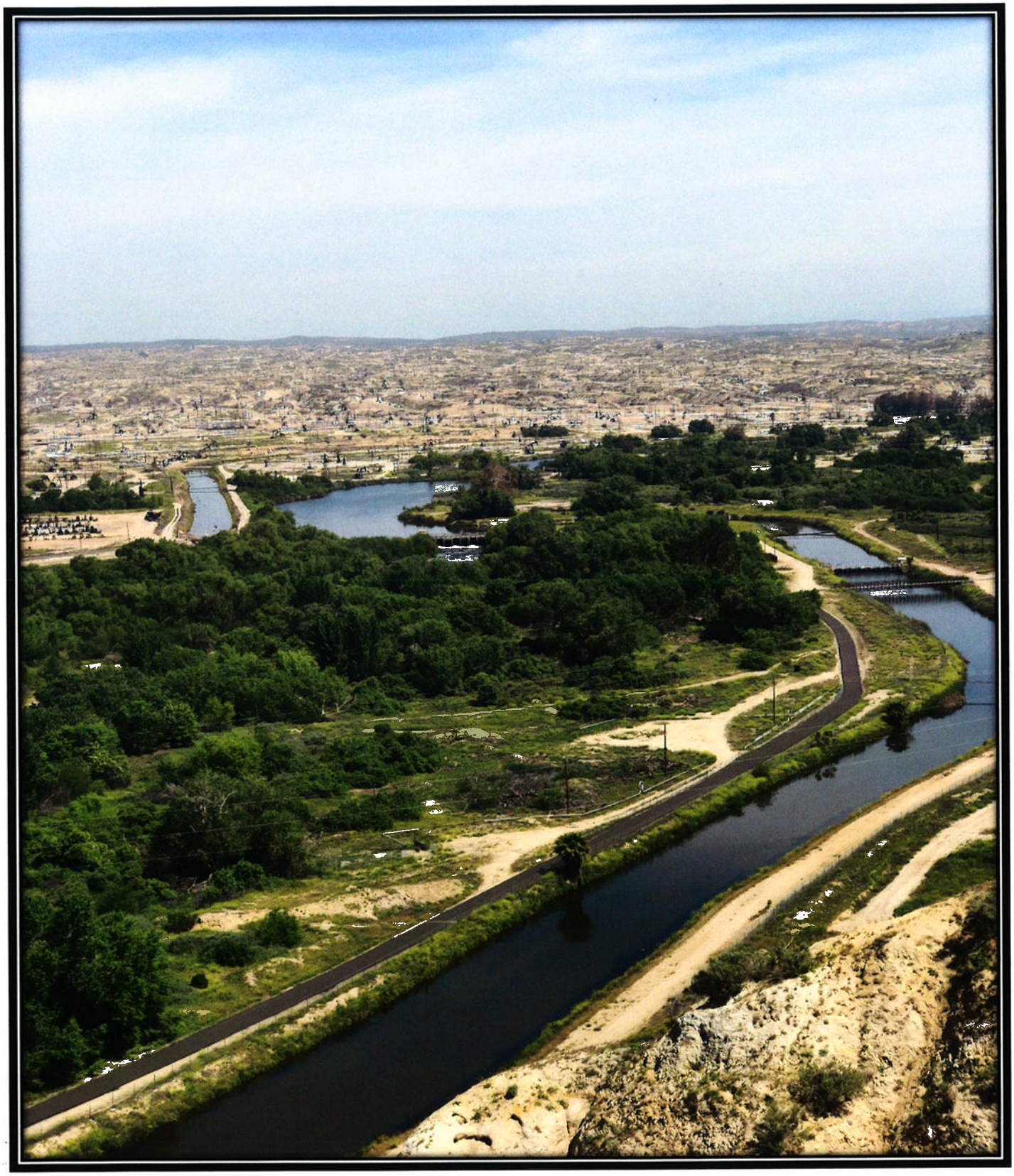
ISABELLA RESERVOIR

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

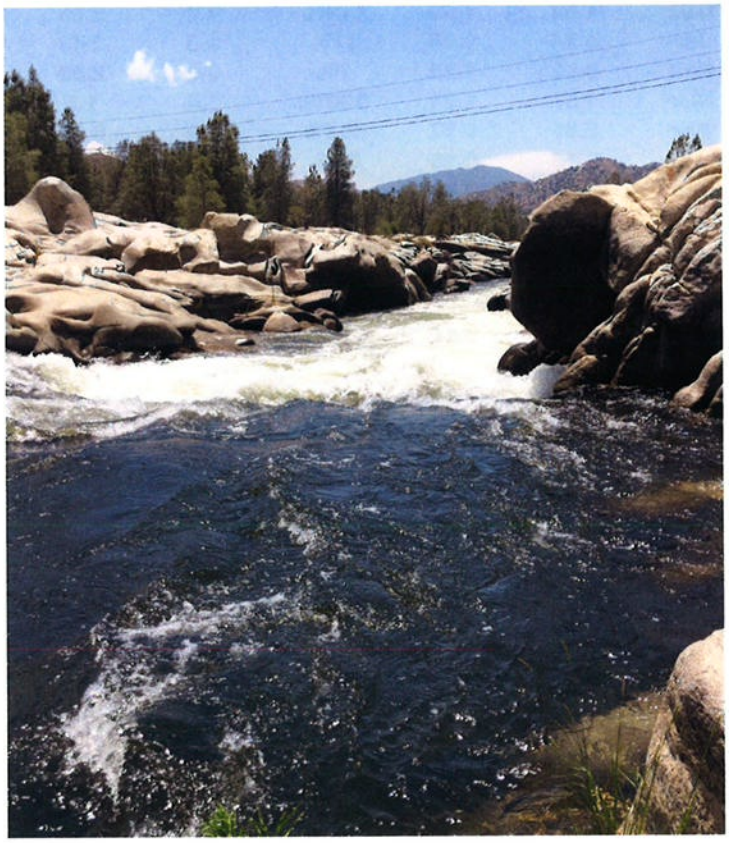
KERN RIVER OPERATIONS



KERN RIVER IN REVIEW
2020

Introduction

The 2019-2020 winter season started strong, giving hope for back-to-back wet years for the Kern River. Storm systems off the Eastern Pacific began to trek into the Kern River watershed on Thanksgiving Day resulting in an increase of snow water content by more than 3 inches. Isabella Dam rain gauge recorded 1.99" (172% of normal) of cumulative precipitation, consequence of the Thanksgiving Day storm system. Multiple smaller – yet effective – storms continued to accumulate snow throughout the watershed in December, resulting in an increase in snow water content that more than doubled by the end of the month. Runoff forecasts at that time predicted spring and summer runoff at 101% of normal. However, the once promising picture of an ample water supply would soon be short lived. Precipitation in the Kern River watershed recorded one of the driest Januarys on record. Historically, waterless Januarys typically result in below-average spring and summer runoff; 2020 would be no different. On February 1, the State Department of Water Resources (DWR) published their first Bulletin 120 report for the year; forecasting a 66% of normal runoff for the Kern River during the months of April-July. Warm and dry conditions in February were persistent, resulting in a steep decline for Kern River forecasts. The March 1 DWR forecast fell to 44% of normal. Below average temperatures coupled with near average precipitation in March meagerly increased snow pack conditions throughout the watershed. The April 1 forecast by DWR climbed to 46% of normal. The month of April produced the most precipitation recorded at Isabella Dam Headquarters since 1953, 2.58". Unfortunately, the precipitation recorded in April was too little too late. The final Kern River April-July runoff as measured at First Point produced ***196,802 acre-feet of yield; 43% of the long-term average (1894-present)****.*



KERN RIVER, BELOW MAIN DAM

Precipitation

Monthly precipitation amounts in inches as recorded at selected Kern County stations during the 2019-2020 Water Year were as follows:

	Bakersfield Meadows Field (Elev. 494ft.)			Isabella Dam (Elev. 2260 ft.)			Glennville (Elev. 3140 ft.)		
	2019-2020	Average	% of Average	2019-2020	Average	% of Average	2019-2020	Average	% of Average
Oct	0.00	0.30	0%	0.0	0.35	0%	0.00	0.91	0%
Nov	1.07	0.64	167%	2.7	1.12	241%	1.85	2.05	90%
Dec	1.52	1.02	149%	2.0	2.03	100%	3.59	3.51	102%
Jan	0.24	1.16	21%	0.5	2.43	20%	0.68	3.6	19%
Feb	0.01	1.24	1%	0.0	2.09	0%	0.34	3.75	9%
Mar	1.57	1.21	130%	1.4	1.5	90%	3.81	3.43	111%
Apr	2.61	0.52	502%	2.9	0.69	413%	3.34	1.74	192%
May	0.16	0.18	89%	0.0	0.27	0%	0.98	0.78	126%
Jun	0.02	0.08	25%	0.0	0.07	0%	0.03	0.15	20%
Jul	0.00	0.00	0%	0.0	0.13	0%	0.00	0.08	0%
Aug	0.00	0.04	0%	0.0	0.16	0%	0.00	0.12	0%
Sep	0.00	0.08	0%	0.0	0.28	0%	0.00	0.26	0%
TOTAL	7.20	6.47	111%	9.41	11.12	85%	14.62	20.38	72%

Temperature

Isabella, California, 2020 mean air temperatures (°F) with comparative averages were as follows:

	2020 Actuals	Normal	Variance from Normal		2020 Actual	Normal	Variance from Normal
Jan	46.8	45.1	+1.7	Jul	82.8	80.5	+2.3
Feb	51.3	47.6	+3.7	Aug	84	79.2	+4.8
Mar	50.1	51.3	-0.2	Sep	78.2	73.0	+5.2
Apr	57.9	56.2	+1.7	Oct	68.7	62.6	+6.1
May	68.2	64.2	+4.0	Nov	53.3	52.0	+1.3
Jun	74.9	73.7	+1.2	Dec	47.9	45.1	+2.8

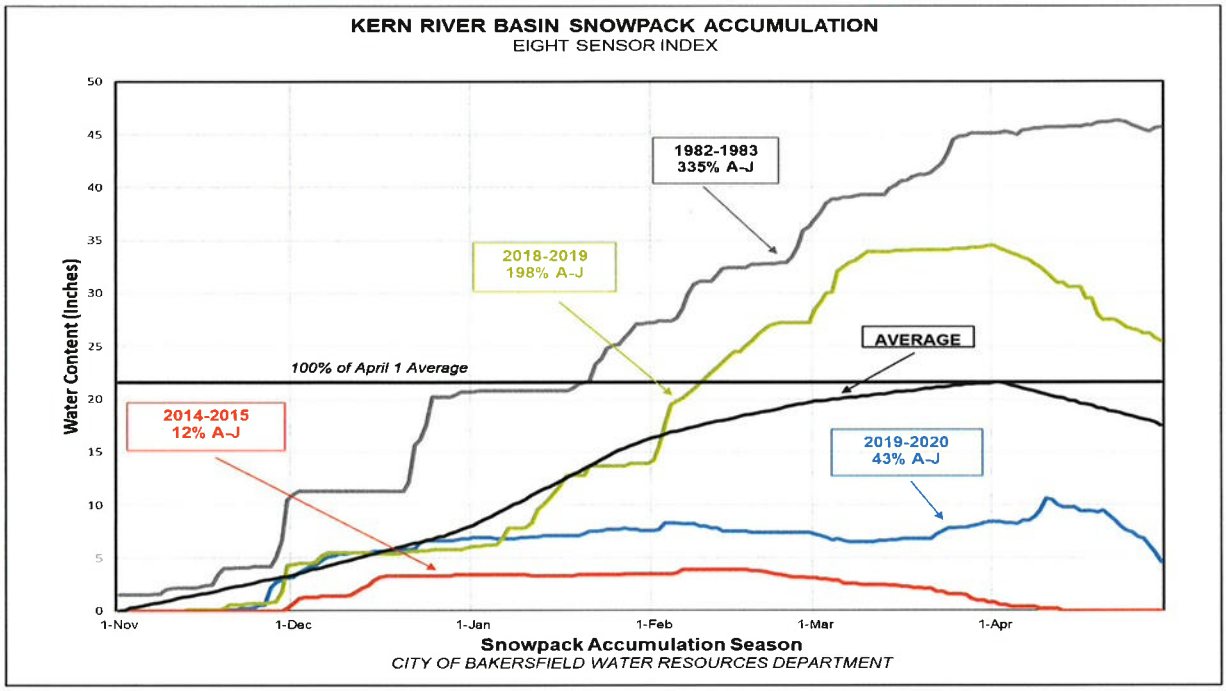
The mean annual temperature as recorded at Isabella Dam for 2020 was 63.7° Fahrenheit, 2.8° above the long-term average (1956 to 2020). The maximum high temperature for 2020 occurred on September 6th at 109°F. The minimum temperature occurred on February 4th at 25°F.

Snowpack

Listed below are approximate readings, in inches of water content, for the eight remote snow sensor sites located within the Kern River Basin on April 1, 2020, 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, 2020	**13.03**	**7.53**	**10.13**	**18.3**	**5.87**	**2.5**	**8.81**	**0.72**
April 1 Average	**27.7**	**19.8**	**21.8**	**24.9**	**30.3**	**15.6**	**20.7**	**11.0**

The 2019-2020 Kern River Basin winter snowpack accumulation is depicted on the chart below.



Forecast

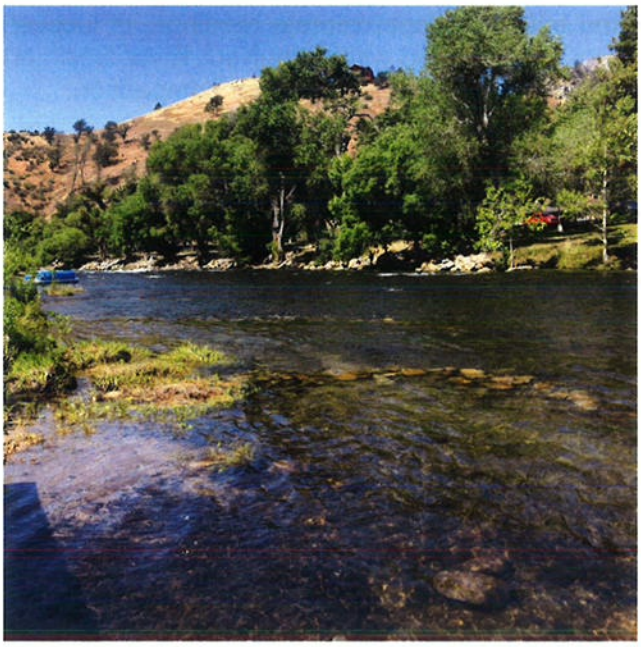
The State of California's Department of Water Resources issued the following B-120 forecasts for Kern River runoff into Isabella Reservoir for the 2020 April-July snowmelt period:

February 1, 2020:	**66% of average**	**(300,000 acft)**
March 1, 2020:	**44% of average**	**(200,000 acft)**
April 1, 2020:	**46% of average**	**(210,000 acft)**
May 1, 2020:	**52% of average**	**(240,000 acft)**

Sherman Peak towards Kern River

Runoff

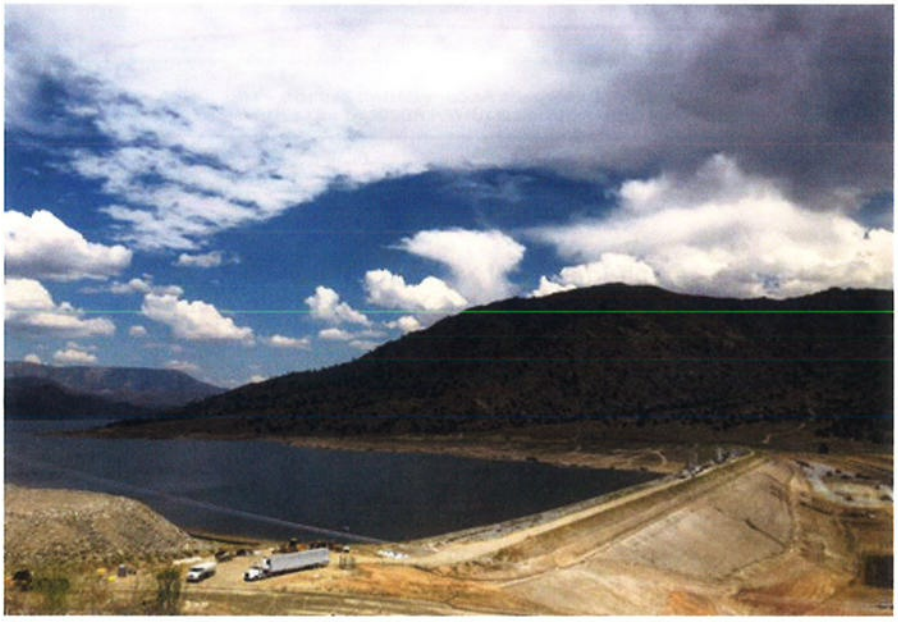
Actual 2020 April-July Kern River inflow to Isabella Lake was 201,143 Acre-feet (45% of average). Peak inflow to Isabella Reservoir occurred on May 1, 2020 with 1,930 cubic feet per second while peak instantaneous flow at Kernville Measuring Station was reached on May 1, 2020 at rates of 2,048 cubic feet per second (cfs). Calendar year runoff at First Point of Measurement, near Bakersfield for 2020 totaled 337,752 Acre-feet, 47% of the long-term average (721,022 Acre-feet) and 64% of the historical median (527,702 Acre-feet).



Kernville Gauging Station

Storage

Entering 2020, Isabella Reservoir storage held 168,329 Acre-feet because of excess carry over from a well above normal Kern River runoff and a storm packed winter in 2019. Peak storage for 2020 occurred on May 31, 2020, at 227,876 Acre-feet.



Isabella Dam

Operations

Kern River regulated flow as computed at First Point of Measurement during the 2020 Calendar Year amounted to 375,698 Acre-feet, 54% of the 1954-2020 average regulated flow of 691,745 Acre-feet. Maximum regulated flow for the year occurred on June 11, 2020, with a mean daily discharge of 1,268 cfs. Zero Friant-Kern or State Water Project supplies were diverted in 2020.

Total water yield of the Kern River drainage basin and its surface storage reservoir in Acre-feet during 2020 is summarized as follows:

+ Kern River Computed Natural Flow.....	**337,752**
+ Isabella Reservoir Storage.....	**71,730**
- Isabella Reservoir Evaporation.....	**33,784**
- Kern River Diversions Above First Point	**13,061**
= Kern River Flow at First Point	**362,637**

Delivery of ***Kern River*** water to canal and conveyance facilities located below First Point of Measurement for the 2020 Calendar Year was as follows:

DELIVERY POINT	***FLOW IN ACRE-FEET***
Beardsley Canal	65,931
Calloway Canal	33,472
Kern Island Canal	101,962
Eastside Canal	18,950
Stine Canal	10,819
Panorama Preserve	10
Truxtun Lakes	4,727
Arvin-Edison Turnout	2,210
Buena Vista Canal	21,215
Park at River Walk	738
Rosedale Channel	10,000
Pioneer Canal	12,948
Berrenda Mesa Pipeline	1,529
Pioneer Property	0
Aera Park	833
Kern Water Bank via 2800 Acres	0
2800 Acres Recharge Facility	13,241
Kern Water Bank Canal	0
First Point Passing Second Point	0
2nd Point of Measurement	15,023
Carrier Canal Seepage Loss	5,057
River Seepage Loss	43,972

Wilson Ditch

Kern River at First Point of Measurement "Computed Natural"

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	485	446	483	420	1,959	918	390	209	213	169	185	213
2	484	462	482	413	1,901	891	359	195	204	168	175	198
3	498	463	459	471	1,825	894	319	187	187	167	166	186
4	454	475	456	483	1,693	846	327	180	196	150	163	157
5	478	466	443	599	1,614	830	324	170	189	143	154	168
6	458	465	446	699	1,589	736	299	169	181	143	150	185
7	430	441	464	804	1,624	712	269	180	184	143	166	195
8	449	473	461	1,199	1,693	671	224	226	190	151	183	189
9	483	473	490	952	1,707	658	239	252	202	133	182	170
10	532	484	485	791	1,684	636	265	222	188	156	172	186
11	430	446	507	782	1,626	629	278	196	190	163	160	177
12	471	448	517	877	1,501	600	277	179	199	183	158	156
13	458	453	528	915	1,419	592	257	214	241	179	186	169
14	524	439	520	951	1,297	540	256	236	248	159	207	190
15	472	429	514	963	1,286	525	252	209	247	150	225	216
16	460	463	515	1,025	1,274	540	245	202	210	125	205	200
17	452	479	482	1,098	1,321	549	251	192	206	125	156	197
18	431	501	479	1,057	1,360	602	230	236	184	116	169	203
19	463	480	477	1,032	1,353	530	230	242	184	112	167	201
20	491	467	497	991	1,304	517	216	238	175	110	206	201
21	511	448	514	979	1,198	474	204	236	177	111	161	184
22	497	442	550	969	1,093	495	190	243	153	113	177	199
23	490	464	576	1,016	1,020	508	201	248	152	109	159	197
24	494	486	562	1,130	988	512	224	227	139	107	196	190
25	472	481	468	1,250	1,000	482	233	216	152	123	159	187
26	539	467	479	1,402	1,092	449	214	234	153	131	170	213
27	492	443	435	1,491	1,206	419	210	239	176	146	153	244
28	521	439	497	1,615	1,301	416	216	239	175	144	178	235
29	420	372	460	1,673	1,276	420	219	190	174	161	188	202
30	432	-	469	1,806	1,228	451	206	169	161	173	136	187
31	608	-	413	-	1,103	-	167	172	-	158	-	155
TOTAL	14,879	13,295	15,128	29,853	43,535	18,042	7,791	6,547	5,630	4,421	5,212	5,950
MAXIMUM DAY	608	501	576	1,806	1,959	918	390	252	248	183	225	244
MINIMUM DAY	420	372	413	413	988	416	167	169	139	107	136	155
MEAN	480	458	488	995	1,404	601	251	211	188	143	174	192
TOTAL AC. FT.	29,512	26,370	30,006	59,213	86,350	35,786	15,453	12,986	11,167	8,769	10,338	11,802

WHOLE YEAR:- TOTAL, 170,283 MAX., 1,959 MIN., 107 MEAN, 465 TOTAL AC.FT., 337,752

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	393	373	412	402	1,874	970	352	162	148	129	165	168
2	409	389	396	419	1,779	900	326	158	143	128	146	159
3	400	381	386	371	1,673	848	311	153	142	128	144	159
4	395	341	387	421	1,520	839	297	151	141	129	145	155
5	390	352	405	409	1,442	812	286	151	138	131	146	151
6	381	382	415	492	1,477	867	270	151	133	133	147	153
7	380	378	422	498	1,515	763	254	157	130	134	153	148
8	385	370	414	579	1,582	661	243	155	131	136	173	164
9	373	383	395	601	1,677	587	234	156	136	139	172	161
10	365	363	392	545	1,746	541	224	153	137	143	166	160
11	367	366	437	547	1,699	533	212	150	138	146	186	160
12	365	364	421	608	1,513	543	205	157	137	147	193	158
13	362	364	405	734	1,367	543	203	156	129	143	191	169
14	358	361	405	730	1,248	517	209	158	129	141	189	178
15	351	362	393	679	1,198	493	214	156	125	141	190	193
16	358	370	397	703	1,271	496	207	153	127	139	187	167
17	372	394	414	751	1,382	498	198	163	129	139	193	174
18	362	402	386	802	1,370	479	192	182	128	140	204	186
19	372	390	381	741	1,401	460	187	182	128	142	208	167
20	375	382	340	717	1,278	455	179	211	130	145	204	169
21	377	380	357	689	1,141	452	189	195	125	145	198	173
22	370	397	349	695	1,031	461	178	176	122	146	200	175
23	371	403	425	762	983	474	165	167	124	138	184	172
24	369	395	425	896	927	472	161	164	127	128	159	166
25	371	393	404	1,043	938	472	158	168	127	129	158	167
26	375	392	391	1,236	1,053	460	158	163	128	137	158	168
27	385	400	375	1,245	1,231	454	153	156	131	138	148	177
28	382	398	363	1,337	1,375	422	146	152	129	150	150	194
29	371	396	363	1,570	1,414	409	155	152	127	143	156	189
30	369	-	350	1,740	1,298	376	154	150	127	138	158	168
31	371	-	348	-	1,109	-	160	151	-	141	-	157
TOTAL	11,624	11,021	12,153	22,962	42,512	17,257	6,580	5,009	3,946	4,286	5,171	5,205
MAXIMUM DAY	409	403	437	1,740	1,874	970	352	211	148	150	208	194
MINIMUM DAY	351	341	340	371	927	376	146	150	122	128	144	148
MEAN	375	380	392	765	1,371	575	212	162	132	138	172	168
TOTAL AC. FT.	23,056	21,860	24,105	45,544	84,321	34,229	13,051	9,935	7,827	8,501	10,257	10,324

WHOLE YEAR:- TOTAL, 147,726 MAX., 1,874 MIN., 122 MEAN, 404 TOTAL AC.FT., 293,010

Kern River at First Point of Measurement "Regulated"

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	361	434	357	346	951	1,018	1,042	910	455	200	121	195
2	380	460	352	390	963	1,084	980	908	452	213	144	187
3	356	429	347	416	880	1,133	972	977	425	199	159	180
4	367	439	341	415	919	1,115	943	945	421	201	161	180
5	368	412	333	440	996	1,056	1,015	895	425	191	145	192
6	398	366	336	446	967	926	1,106	836	415	166	133	182
7	403	368	329	454	1,068	968	1,095	795	422	177	108	208
8	399	364	332	499	1,051	1,079	1,138	779	375	172	102	208
9	427	366	336	529	979	1,035	1,208	732	351	166	119	201
10	449	368	323	504	987	1,108	1,256	632	296	145	120	189
11	426	367	324	490	1,082	1,268	1,203	548	277	158	125	198
12	422	375	344	464	1,072	1,173	1,195	638	234	172	119	189
13	416	347	361	486	1,055	1,004	1,195	638	205	186	141	196
14	418	353	351	467	895	1,042	1,140	629	212	189	141	192
15	409	360	339	594	793	998	1,139	610	219	177	141	182
16	405	364	349	630	740	973	1,153	606	214	161	139	172
17	386	366	357	708	737	968	1,108	694	208	170	161	166
18	501	375	367	702	781	938	1,024	735	197	164	178	172
19	482	349	337	718	764	919	1,009	731	181	148	161	170
20	495	351	348	739	758	809	1,055	634	178	144	167	176
21	494	324	337	730	740	808	1,085	596	188	146	194	171
22	495	325	349	736	728	988	1,103	555	190	140	188	171
23	499	315	362	767	714	1,036	1,117	500	193	155	210	186
24	505	317	319	820	725	1,100	1,103	476	192	137	206	190
25	512	348	346	801	795	1,093	989	452	157	127	217	189
26	496	346	330	787	873	1,078	983	507	173	161	160	191
27	492	323	346	878	913	1,083	1,021	451	170	151	166	189
28	461	334	336	898	913	1,137	1,007	416	183	162	168	195
29	493	337	329	951	901	1,204	1,011	392	198	160	173	213
30	526	-	324	949	856	1,099	1,011	382	197	155	176	208
31	526	-	347	-	894	-	940	480	-	127	-	165
TOTAL	13,767	10,582	10,588	18,754	27,490	31,240	33,346	20,079	8,003	5,120	4,643	5,803
MAX INSTANT.	526	460	408	346	1,082	1,268	1,479	1,015	473	226	227	232
MIN INSTANT.	351	310	319	951	694	808	940	333	157	127	102	162
MEAN	444	365	342	625	887	1,041	1,076	648	267	165	155	187
TOTAL AC. FT.	27,306	20,989	21,000	37,199	54,526	61,964	66,140	39,826	15,873	10,156	9,209	11,510

WHOLE YEAR:- TOTAL, 189,415 MAX., 1,479 MIN., 351 MEAN, 518 TOTAL AC.FT., 375,698

Total Kern River Flow Above First Point of Measurement

DISCHARGE IN CUBIC FEET PER SECOND — **Year: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14	13	16	15	15	25	22	25	24	17	16	14
2	14	13	14	15	5	28	21	27	28	18	16	14
3	14	14	13	15	3	26	22	25	25	17	18	14
4	13	15	15	14	3	28	21	27	26	18	15	14
5	13	14	13	15	18	25	23	24	26	16	15	14
6	14	13	14	13	16	26	21	28	26	16	16	2
7	14	13	14	13	19	25	22	25	23	19	17	1
8	14	14	15	14	24	26	21	25	23	16	8	3
9	13	13	14	15	23	27	21	26	25	16	16	1
10	15	14	15	15	24	29	23	27	27	19	16	2
11	13	14	13	15	23	24	22	24	21	17	17	2
12	13	14	15	14	26	27	21	27	22	16	15	1
13	14	14	13	17	24	25	22	26	18	17	16	2
14	13	14	14	13	26	26	22	24	23	17	15	0
15	14	13	14	15	23	28	22	26	21	16	17	1
16	13	14	14	14	23	27	21	28	23	17	15	1
17	14	15	17	15	23	30	23	23	19	17	15	2
18	13	13	14	15	24	28	20	27	22	16	17	14
19	14	13	14	14	24	32	22	27	15	17	17	14
20	15	14	15	16	25	28	22	28	18	17	15	15
21	14	13	14	17	25	29	21	26	17	17	16	14
22	13	13	15	14	24	28	24	18	19	17	17	13
23	13	15	14	16	24	31	22	15	18	17	16	14
24	14	13	14	15	24	33	25	25	19	17	15	12
25	14	13	15	14	26	30	26	25	17	17	16	12
26	13	14	15	14	24	32	26	28	18	15	14	14
27	12	15	14	16	24	33	26	24	15	2	18	14
28	13	13	14	14	24	30	25	24	20	17	14	14
29	14	13	14	14	30	31	26	22	18	16	16	15
30	15	-	15	16	26	24	27	22	20	18	15	13
31	13	-	15	-	24	-	25	24	-	18	-	14
TOTAL	422	396	445	442	666	841	707	772	636	510	469	280
MAXIMUM DAY	15	15	17	17	30	33	27	28	28	19	18	15
MINIMUM DAY	12	13	13	13	3	24	20	15	15	2	8	0
MEAN	14	14	14	15	21	28	23	25	21	16	16	9
TOTAL AC. FT.	837	785	882	877	1,321	1,668	1,402	1,531	1,261	1,012	930	555

WHOLE YEAR:- TOTAL, 6,586 MAX., 33 MIN., 0 MEAN, 18 TOTAL AC.FT., 13,061

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

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2020**

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	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: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	11	11	101	123	62	0	0	0	0
2	0	0	0	19	11	121	87	67	0	0	0	0
3	0	0	0	42	11	120	99	50	0	0	0	0
4	0	0	0	40	11	111	131	13	0	0	0	0
5	0	0	0	41	11	101	132	0	0	0	0	0
6	0	0	0	41	11	109	134	0	0	0	0	0
7	0	0	0	53	11	118	134	4	0	0	0	0
8	0	0	0	58	11	122	120	10	0	0	0	0
9	0	0	0	63	10	119	87	10	0	0	0	0
10	0	0	0	66	11	119	86	9	0	0	0	0
11	0	0	0	61	11	126	92	10	0	0	0	0
12	0	0	0	55	11	124	79	9	0	0	0	0
13	0	0	0	21	10	114	62	10	0	0	0	0
14	0	0	0	11	11	126	62	10	0	0	0	0
15	0	0	0	12	11	126	62	6	0	0	0	0
16	0	0	0	11	37	124	62	0	0	0	0	0
17	0	0	0	11	41	119	67	0	0	0	0	0
18	0	0	0	11	42	118	90	0	0	0	0	0
19	0	0	0	11	42	116	100	0	0	0	0	0
20	0	0	0	12	67	110	93	0	0	0	0	0
21	0	0	0	11	66	95	99	0	0	0	0	0
22	0	0	0	11	74	89	98	0	0	0	0	0
23	0	0	0	11	84	86	101	0	0	0	0	0
24	0	0	5	12	82	86	110	0	0	0	0	0
25	0	0	12	12	83	87	112	0	0	0	0	0
26	0	0	12	11	80	89	102	0	0	0	0	0
27	0	0	11	11	82	184	86	0	0	0	0	0
28	0	0	11	11	97	247	75	0	0	0	0	0
29	0	0	11	11	101	248	63	0	0	0	0	0
30	0	-	11	11	98	177	57	0	0	0	0	0
31	0	-	11	-	99	-	59	0	-	0	-	
TOTAL	0	0	84	762	1,338	3,732	2,864	270	0	0	0	0
MAXIMUM DAY	0	0	12	66	101	248	134	67	0	0	0	0
MINIMUM DAY	0	0	0	11	10	86	57	0	0	0	0	0
MEAN	0	0	3	25	43	124	92	9	0	0	0	0
TOTAL AC. FT.	0	0	167	1,512	2,653	7,402	5,681	536	0	0	0	0

WHOLE YEAR:- TOTAL, 9,050 MAX., 248 MIN., 0 MEAN, 25 TOTAL AC.FT., 17,951

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

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2020**

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	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

CITY OF BAKERSFIELD
SUMMARY OF KERN RIVER ENTITLEMENTS

Quantities in acre-feet

Year: 2020

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista W.S.D. Entitlement	0	0	3,677	13,158	21,598	5,704	141	0	0	0	0	0	44,278
Hacienda W.D. Entitlement	0	0	0	0	0	0	0						0
K.C.L. Entitlement @ 2nd Point	0	0	0	625	1,029	272	4	0	0	0	0	0	1,930
Kern Island (1-st)	18,446	17,256	17,770	17,808	18,446	17,851	14,452	12,310	10,512	8,093	9,683	11,126	173,753
Eastside													
Kern River Conduit			7,883	16,830	19,656	10,342	180	0					54,891
Castro	307	286	0	54	112	10	0	0	0	0	0	0	769
KCC & W Co.	851	789	0	159	327	28	0	0	0	0	0	0	2,154
South Fork	615	573	0	108	230	16	0	0	0	0	0	0	1,542
Buena Vista (1-st)	4,600	4,213	0	857	1,740	133	0	0	0	0	0	0	11,543
James (1-st)	3,850	2,620	0	1,283	2,614	198	0	0	0	0	0	0	10,565
Anderson (1-st)	56	0	0	212	438	38	0	0	0	0	0	0	744
Stine	111	0	0	1,604	3,260	250	0	0	0	0	0	0	5,225
Meacham	0	0	0	323	645	48	0	0	0	0	0	0	1,016
Farmers	0	0	0	1,591	3,261	220	0	0	0	0	0	0	5,072
Plunket	0	0	0	415	875	21	0	0	0	0	0	0	1,311
Joyce	0	0	0	399	875	0	0		0	0	0	0	1,274
Johnson	0	0	0	343	865	0	0	0	0	0	0	0	1,208
Pioneer (1-st)	0	0	0	841	2,590	0	0	0	0	0	0	0	3,431
Beardsley (1-st)	0	0	0	301	1,121	0	0	0	0	0	0	0	1,422
Lerdo (NKWSD)													
Anderson (2-nd)	0	0	0	46	179	0	0	0	0	0	0	0	225
James & Dixon	0	0	0	180	696	0	0	0	0	0	0	0	876
Wilson	0	0	0	24	81	0	0	0	0	0	0	0	105
KCC & W Co.	0	0	0	26	79	0	0	0	0	0	0	0	105
McCaffrey	0	0	0	101	426	0	0	0	0	0	0	0	527
McCord: Lerdo 30%	0	0	0	117	375	0	0	0	0	0	0	0	492
Beardsley 70%	0	0	0	271	879	0	0	0	0	0	0	0	1,150
Calloway: Central 20%	0	0	0	178	651	0	0	0	0	0	0	0	829
NKWSD 80%	0	0	0	704	2,626	0	0	0	0	0	0	0	3,330
Railroad: KCC & W Co. 20%	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD 80%	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista (2-nd)	0	0	0	0	0	0	0	0	0	0	0	0	0
James (2-nd)	0	0	0	0	0	0	0	0	0	0	0	0	0
Pioneer (2-nd)	0	0	0	0	0	0	0	0	0	0	0	0	0
Beardsley (3-rd)	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island (2-nd)	0	0	0	0	0	0	0	0	0	0	0	0	0
Computed Loss	676	633	676	655	676	655	676	676	655	676	655	676	7,985
Total 1st Point Group Entitlement	29,512	26,370	26,329	46,055	64,752	30,082	15,312	12,986	11,167	8,769	10,338	11,802	293,474

CITY OF BAKERSFIELD
SUMMARY OF KERN RIVER FIRST POINT GROUP
KERN RIVER DIVERSIONS

Quantities in acre-feet

Year: 2020

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
KERN RIVER FLOW AT FIRST POINT	**26,469**	**20,204**	**20,118**	**36,322**	**53,205**	**60,296**	**64,738**	**38,295**	**14,612**	**9,144**	**8,279**	**10,955**	**362,637**
BEARDSLEY CANAL	3,253	2,255	587	839	8,410	13,148	15,281	10,923	4,661	1,115	1,065	4,394	65,931
CALLOWAY CANAL	2,698	2,293	3,162	2,711	3,572	4,699	5,907	4,742	0	0	960	2,728	33,472
KERN ISLAND CANAL	8,079	8,874	9,051	6,575	10,451	13,547	12,666	11,567	8,529	6,704	4,612	1,307	101,962
EASTSIDE CANAL	611	133	2,596	1,880	3,338	3,584	3,499	2,575	734	0	0	0	18,950
STINE CANAL	1,813	847	0	0	0	4,268	2,844	0	0	0	466	581	10,819
PANORAMA PRESERVE	0	0	0	4	0	2	2	2	0	0	0	0	10
TRUXTUN LAKES	326	853	742	710	792	510	417	256	0	121	0	0	4,727
ARVIN-EDISON TURNOUT	0	0	0	0	0	0	768	1,442	0	0	0	0	2,210
BUENA VISTA CANAL	4,530	2,674	71	1,303	288	6,603	5,522	0	0	218	0	6	21,215
THE PARK AT RIVER WALK	0	75	85	179	157	119	123	0	0	0	0	0	738
ROSEDALE CHANNEL	0	0	0	5,774	4,226	0	0	0	0	0	0	0	10,000
PIONEER CANAL	0	0	0	0	0	768	8,342	3,838	0	0	0	0	12,948
BERRENDA MESA PIPELINE	23	0	111	595	576	224		0	0	0	0	0	1,529
PIONEER PROPERTY	0	0	0	0	0	0	0	0	0	0	0	0	0
AERA PARK TURNOUT	99	0	62	256	307	109	0	0	0	0	0	0	833
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	89	0	0	2,485	8,555	2,112	0	0	0	0	0	0	13,241
FIRST POINT PASSING SECOND POINT	0	0	0	0	0	0	0	0	0	0	0	0	0
CARRIER CANAL LOSS/REFILL	581	571	381	655	698	593	597	421	0	310	93	157	5,057
RIVER LOSS & SPREADING	4,367	1,629	3,270	11,503	9,850	3,276	3,799	2,049	688	676	1,083	1,782	43,972
FIRST POINT CANALS TOTAL FLOW	**26,469**	**20,204**	**20,118**	**35,469**	**51,220**	**53,562**	**59,767**	**37,815**	**14,612**	**9,144**	**8,279**	**10,955**	**347,614**
TOTAL FLOW AT SECOND POINT	**0**	**0**	**0**	**853**	**1,985**	**6,734**	**4,971**	**480**	**0**	**0**	**0**	**0**	**15,023**
BUENA VISTA WSD	0	0	0	853	1,985	6,734	4,971	480	0	0	0	0	15,023
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: 2020

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	2,330	9,058	14,985	13,200	14,029	12,295	3,669	2,500	2,496	2,013	940	921	78,436
Buena Vista	690	2,373	2,347	4,758	6,159	3,221	1,546	1,995	1,447	1,500	1,000	1,169	28,205
Stine	1,500	1,419	1,403	4,571	7,690	2,751	768	732	1,199	1,155	1,129	1,119	25,436
Farmers	1,500	1,482	1,466	3,027	6,065	3,800	3,531	1,139	1,490	1,434	1,352	1,449	27,735
KERN DELTA WD TOTAL	**6,020**	**14,332**	**20,201**	**25,556**	**33,943**	**22,067**	**9,514**	**6,366**	**6,632**	**6,102**	**4,421**	**4,658**	**159,812**
City of Bakersfield	15,079	12,625	14,956	10,350	11,107	12,175	7,862	3,810	2,730	1,847	4,850	5,844	103,235
Kern River Canal & Irr. Co.	12,991	12,259	11,540	11,174	5,504	4,489	3,382	2,464	1,873	1,327	857	428	68,288
South Fork	600	1,207	1,207	1,793	2,370	2,386	2,407	2,428	2,678	2,966	600	600	21,242
Improvement District No. 4	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF BAKERSFIELD TOTAL	**28,670**	**26,091**	**27,703**	**23,317**	**18,981**	**19,050**	**13,651**	**8,702**	**7,281**	**6,140**	**6,307**	**6,872**	**192,765**
NORTH KERN WSD	**46,315**	**46,731**	**46,215**	**53,532**	**60,708**	**50,180**	**36,752**	**28,003**	**22,797**	**21,744**	**24,867**	**27,301**	**465,145**
TOTAL 1ST POINT STORAGE	**81,005**	**87,154**	**94,119**	**102,405**	**113,632**	**91,297**	**59,917**	**43,071**	**36,710**	**33,986**	**35,595**	**38,831**	**817,722**

KERN DELTA
WATER DISTRICT

KERN DELTA WATER DISTRICT

Monthly Summary of Kern River Entitlements, Diversions,

Deliveries and Storage ... All Canals

Quantities in acre-feet

Year: 2020

		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	+	23,157	21,469	17,770	21,860	26,707	18,454	14,452	12,310	10,512	8,093	9,683	11,126	195,593
Release Gain	+	8,388	0	0	0	0	0	0	0	0	141	236	325	9,090
Release Loss	-	14,206	0	0	0	0	0	0	0	0	1,104	6,308	9,076	30,694
Entitlement + or - Releases	=	**17,339**	**21,469**	**17,770**	**21,860**	**26,707**	**18,454**	**14,452**	**12,310**	**10,512**	**7,130**	**3,611**	**2,375**	**173,989**
Into Isabella Storage	-	2,191	8,499	6,052	10,923	9,574	402	3,142	1,570	3,238	410	7	376	46,384
From Isabella Storage	+	1,416	70	0	5,248	499	11,472	15,075	4,352	2,715	698	1,567	52	43,164
Storage Transfer to NKWSD	-	0	0	0	2,500	0	0	0	0	0	0	0	0	2,500
Storage Transfer to COB	-	0	109	0	1,377	1,019	0	61	61	726	425	0	0	3,778
River and Carrier Canal Loss	-	1,531	403	0	149	0	0	706	334	0	71	93	157	3,444
Via/For Rosedale RBWSD	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Via/For Cawelo Water District	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Via/For Improvement District No. 4	-	0	0	0	2,401	2,949	3,693	3,475	2,326	0	0	0	0	14,844
Via Pioneer Project	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Heads of Canals	=	**15,033**	**12,528**	**11,718**	**9,758**	**13,664**	**25,831**	**22,143**	**12,371**	**9,263**	**6,922**	**5,078**	**1,894**	**146,203**
From Hacienda WD (LR)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	=	**15,033**	**12,528**	**11,718**	**9,758**	**13,664**	**25,831**	**22,143**	**12,371**	**9,263**	**6,922**	**5,078**	**1,894**	**146,203**
Utility Deliveries		4,491	7,356	5,012	3,327	9,488	16,101	15,586	8,722	5,943	3,806	2,939	1,017	83,788
Contract Deliveries		0	325	413	406	388	428	306	295	246	191	81	53	3,132
Total Irrigation Deliveries	-	**4,491**	**7,681**	**5,425**	**3,733**	**9,876**	**16,529**	**15,892**	**9,017**	**6,189**	**3,997**	**3,020**	**1,070**	**86,920**
Total District Spreading	-	**5,486**	**231**	**2,432**	**1,632**	**0**	**0**	**0**	**0**	**0**	**105**	**0**	**0**	**9,886**
Canal Conveyance Losses	=	5,056	4,616	3,861	4,393	3,788	9,302	6,251	3,354	3,074	2,820	2,058	824	49,397
Delivery Percentage		66%	63%	67%	55%	72%	64%	72%	73%	67%	59%	59%	56%	66%
Reservoir Evaporation Loss		58	117	183	320	688	806	620	366	257	242	121	87	3,865
End of Month Reservoir Storage		**6,020**	**14,332**	**20,201**	**25,556**	**33,943**	**22,067**	**9,514**	**6,366**	**6,632**	**6,102**	**4,421**	**4,658**	

Total Flow via the Kern Island Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	62	135	140	142	170	167	256	162	201	113	86	76
2	84	131	172	176	183	172	243	140	199	113	109	64
3	113	123	173	152	166	203	236	173	239	118	123	57
4	129	128	169	136	189	225	209	199	227	122	128	62
5	134	128	173	123	186	210	215	209	191	116	111	70
6	145	144	173	121	165	185	256	205	187	109	98	65
7	143	188	172	117	191	179	258	178	213	117	73	75
8	135	183	169	122	192	210	234	173	189	114	59	69
9	135	178	173	125	167	194	244	152	186	112	73	68
10	140	190	173	123	158	229	255	147	164	105	75	53
11	152	215	173	114	179	279	280	164	154	120	75	0
12	145	213	169	98	186	271	245	243	128	117	82	0
13	150	193	154	58	186	249	238	235	98	129	69	0
14	168	190	152	45	173	251	230	230	105	129	66	0
15	163	174	142	48	179	255	189	224	117	116	65	0
16	154	162	147	70	155	279	190	206	123	91	72	0
17	156	176	148	65	130	279	192	222	141	70	75	0
18	158	161	149	73	123	240	184	221	124	63	84	0
19	154	152	121	81	123	247	183	243	117	88	74	0
20	160	147	119	108	124	222	198	209	109	83	70	0
21	156	147	117	87	141	186	170	230	124	91	62	0
22	150	155	116	112	170	234	162	184	136	110	62	0
23	126	136	120	118	166	228	162	162	114	120	74	0
24	122	102	123	115	177	240	168	154	110	102	76	0
25	112	126	127	103	188	257	177	157	78	92	94	0
26	101	125	129	94	194	251	153	154	94	128	49	0
27	88	125	137	133	210	227	181	194	93	131	48	0
28	88	125	135	153	202	204	176	185	103	127	64	0
29	110	122	135	152	190	227	163	164	120	126	66	0
30	113	-	134	151	160	230	176	129	116	118	63	0
31	127	-	129	-	146	-	163	184	-	90	-	0
TOTAL	4,073	4,474	4,563	3,315	5,269	6,830	6,386	5,832	4,300	3,380	2,325	659
MAXIMUM DAY	168	215	173	176	210	279	280	243	239	131	128	76
MINIMUM DAY	62	102	116	45	123	167	153	129	78	63	48	0
MEAN	131	154	147	111	170	228	206	188	143	109	78	21
TOTAL AC. FT.	8,079	8,874	9,051	6,575	10,451	13,547	12,666	11,567	8,529	6,704	4,612	1,307

WHOLE YEAR:- TOTAL, 51,406 MAX., 280 MIN., 0 MEAN, 140 TOTAL AC.FT., 101,962

KERN DELTA WATER DISTRICT
KERN ISLAND CANAL SERVICE AREA

Quantities in acre-feet

Year: 2020

		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	+	18,446	17,256	17,770	17,808	18,446	17,851	14,452	12,310	10,512	8,093	9,683	11,126	173,753
Kern Island (1st) Release Loss	-	9,953	0	0	0	0	0	0	0	0	1,104	6,308	9,076	26,441
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**	**17,256**	**17,770**	**17,808**	**18,446**	**17,851**	**14,452**	**12,310**	**10,512**	**6,989**	**3,375**	**2,050**	**147,312**
Into Storage	-	851	6,795	6,052	3,671	1,571	269	86	1,045	2,078	287	3	51	22,759
From Storage	+	169	0	0	5,248	432	1,632	8,438	2,075	1,995	684	1,045	52	21,770
Storage Transfer to COB	-	0	109	0	1,377	1,019	0	61	61	726	425	0	0	3,778
Storage Transfer to NKWSD	-	0	0	0	2,500	0	0	0	0	0	0	0	0	2,500
River and Carrier Canal Loss	-	726	0	0	149	0	0	706	334	0	71	8	157	2,151
Transfer in Storage	+ or -	200	0	0	(3,200)	0	0	(3,500)	(525)	(1,160)	0	0	0	(8,185)
Eastside Canal Entitlement	-	611	133	2,596	1,880	3,217	2,995	2,574	1,127	734	0	0	0	15,867
Via/For Rosedale RBWSD	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Via/For Cawelo Water District	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Via/For Improvement District No. 4	-	0	0	0	2,401	2,949	3,693	3,475	2,326	0	0	0	0	14,844
Via Pioneer Project	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head of Canal	=	**6,674**	**10,219**	**9,122**	**7,878**	**10,122**	**12,526**	**12,488**	**8,967**	**7,809**	**6,890**	**4,409**	**1,894**	**98,998**
From Hacienda WD (LR)	+	0	0	0	0	0	0	0	0		0	0	0	0
Total Utility Supply	=	**6,674**	**10,219**	**9,122**	**7,878**	**10,122**	**12,526**	**12,488**	**8,967**	**7,809**	**6,890**	**4,409**	**1,894**	**98,998**
Utility Deliveries		2,834	6,183	3,822	2,325	7,507	8,008	9,153	6,369	4,955	3,774	2,586	1,017	58,533
Contract Deliveries		0	325	413	406	388	428	306	295	246	191	81	53	3,132
Total Irrigation Deliveries	-	**2,834**	**6,508**	**4,235**	**2,731**	**7,895**	**8,436**	**9,459**	**6,664**	**5,201**	**3,965**	**2,667**	**1,070**	**61,665**
Total District Spreading	-	**1,320**	**112**	**1,694**	**1,461**	**0**	**0**	**0**	**0**	**0**	**105**	**0**	**0**	**4,692**
Canal Conveyance Losses	=	2,520	3,599	3,193	3,686	2,227	4,090	3,029	2,303	2,608	2,820	1,742	824	**32,641**
Delivery Percentage		62%	65%	65%	53%	78%	67%	76%	74%	67%	59%	60%	56%	**67%**

Into Reservoir Storage		851	6,795	6,052	3,671	1,571	269	86	1,045	2,078	287	3	51	22,759
Reservoir Evaporation Loss		23	67	125	208	310	371	274	139	87	86	31	18	1,739
From Reservoir Storage		169	0	0	5,248	432	1,632	8,438	2,075	1,995	684	1,045	52	21,770
End of Month Reservoir Storage		**2,330**	**9,058**	**14,985**	**13,200**	**14,029**	**12,295**	**3,669**	**2,500**	**2,496**	**2,013**	**940**	**921**	

State Exchange Delivered	+	0	0	0	0	292	579	547	323	0	0	0	0	1,741
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**	**292**	**579**	**547**	**323**	**0**	**0**	**0**	**0**	**1,741**
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**

KERN ISLAND CANAL

ENTITLEMENT AND DIVERSION OF CONTRACT WATER

BALFOUR - GUTHRIE CONTRACT

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

Year: 2020

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
KERN ISLAND CANAL ENTITLEMENT:													
Maximum	18,446	17,256	18,446	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,782
Actual	18,446	17,256	17,770	17,808	18,446	17,851	14,452	12,310	10,512	8,093	9,683	11,126	173,753
Maximum Percentage	100.00%	100.00%	96.34%	99.76%	100.00%	100.00%	78.35%	66.74%	58.89%	43.87%	54.24%	60.32%	
CONTRACT ENTITLEMENT:													
Actual	0	71	135	147	99	165	73	107	99	65	28	24	1,013
Sum to Date	0	71	206	353	452	617	690	797	896	961	989	1,013	
CONTRACT DIVERTED:													
For Month	0	71	135	147	99	165	73	107	99	65	28	24	1,013
To Date	0	71	206	353	452	617	690	797	896	961	989	1,013	
UNUSED ENTITLEMENT:													
For Month	0	0	0	0	0	0	0	0	0	0	0	0	0
Sum to Date	0	0	0	0	0	0	0	0	0	0	0	0	

KERN ISLAND CANAL

ENTITLEMENT AND DIVERSION OF CONTRACT WATER

BLOOMFIELD CONTRACT

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

Year: 2020

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
KERN ISLAND CANAL ENTITLEMENT:													
Maximum	18,446	17,256	18,446	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,782
Actual	18,446	17,256	17,770	17,808	18,446	17,851	14,452	12,310	10,512	8,093	9,683	11,126	173,753
Maximum Percentage	100.00%	100.00%	96.34%	99.76%	100.00%	100.00%	78.35%	66.74%	58.89%	43.87%	54.24%	60.32%	
CONTRACT ENTITLEMENT:													
Actual	0	254	278	259	289	263	233	188	147	126	53	29	2,119
Sum to Date	0	254	532	791	1,080	1,343	1,576	1,764	1,911	2,037	2,090	2,119	
CONTRACT DIVERTED:													
For Month	0	254	278	259	289	263	233	188	147	126	53	29	2,119
To Date	0	254	532	791	1,080	1,343	1,576	1,764	1,911	2,037	2,090	2,119	
UNUSED ENTITLEMENT:													
For Month	0	0	0	0	0	0	0	0	0	0	0	0	0
Sum to Date	0	0	0	0	0	0	0	0	0	0	0	0	

Total Flow via the Eastside Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	19	34	26	44	59	61	46	50	0	0	0
2	0	17	35	34	39	63	62	43	53	0	0	0
3	0	16	35	37	40	61	57	51	47	0	0	0
4	0	15	35	38	46	58	53	41	39	0	0	0
5	0	0	38	41	48	60	58	44	32	0	0	0
6	0	0	40	45	49	52	63	40	33	0	0	0
7	0	0	40	16	58	54	64	40	39	0	0	0
8	0	0	45	0	56	61	65	41	41	0	0	0
9	0	0	42	23	39	67	64	36	36	0	0	0
10	0	0	42	24	49	70	60	36	0	0	0	0
11	0	0	43	28	45	62	53	40	0	0	0	0
12	0	0	44	30	48	55	59	45	0	0	0	0
13	0	0	46	34	57	52	64	50	0	0	0	0
14	0	0	49	28	59	60	61	49	0	0	0	0
15	0	0	57	25	59	68	62	42	0	0	0	0
16	0	0	53	33	55	63	63	39	0	0	0	0
17	0	0	53	32	57	65	63	48	0	0	0	0
18	0	0	42	28	65	65	57	48	0	0	0	0
19	19	0	39	25	61	64	56	44	0	0	0	0
20	20	0	41	30	58	54	56	40	0	0	0	0
21	20	0	43	35	55	58	55	39	0	0	0	0
22	20	0	49	32	57	63	55	41	0	0	0	0
23	20	0	54	36	55	62	53	35	0	0	0	0
24	22	0	48	35	56	58	51	46	0	0	0	0
25	31	0	44	28	66	62	47	43	0	0	0	0
26	30	0	40	29	67	63	43	42	0	0	0	0
27	31	0	34	41	68	52	50	41	0	0	0	0
28	33	0	38	45	66	55	54	43	0	0	0	0
29	21	0	38	45	58	58	53	34	0	0	0	0
30	20	-	37	45	52	63	54	31	0	0	0	0
31	21	-	31	-	51	-	48	40	-	0	-	0
TOTAL	308	67	1,309	948	1,683	1,807	1,764	1,298	370	0	0	0
MAXIMUM DAY	33	19	57	45	68	70	65	51	53	0	0	0
MINIMUM DAY	0	0	31	0	39	52	43	31	0	0	0	0
MEAN	10	2	42	32	54	60	57	42	12	0	0	0
TOTAL AC. FT.	611	133	2,596	1,880	3,338	3,584	3,498	2,575	734	0	0	0

WHOLE YEAR:- TOTAL, 9,554 MAX., 70 MIN., 0 MEAN, 26 TOTAL AC.FT., 18,949

KERN DELTA WATER DISTRICT
EASTSIDE CANAL SERVICE AREA

Quantities in acre-feet

Year: 2020

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	+	611	133	2,596	1,880	3,217	2,995	2,574	1,127	734	0	0	0	15,867
State Exchange Diverted	+	0	0	0	0	121	589	924	1,448	0	0	0	0	3,082
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	=	**611**	**133**	**2,596**	**1,880**	**3,338**	**3,584**	**3,498**	**2,575**	**734**	**0**	**0**	**0**	**18,949**
Utility Deliveries	+	42	60	1,190	1,002	1,908	1,458	1,331	666	480	0	0	0	8,137
Contract Deliveries	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Utility Deliveries	=	42	60	1,190	1,002	1,908	1,458	1,331	666	480	0	0	0	8,137
State Exchange Delivered	+	0	0	0	0	121	589	924	871	0	0	0	0	2,505
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	121	589	924	871	0	0	0	0	2,505
Total Irrigation Deliveries		**42**	**60**	**1,190**	**1,002**	**2,029**	**2,047**	**2,255**	**1,537**	**480**	**0**	**0**	**0**	**10,642**
District Spreading (Utility)	+	250	65	738	171	0	0	0	0	0	0	0	0	1,224
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	=	**250**	**65**	**738**	**171**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1,224**
Canal Loss (Utility)	+	319	8	668	707	1,309	1,537	1,243	461	254	0	0	0	6,506
Canal Loss (State)	+	0	0	0	0	0	0	0	577	0	0	0	0	577
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	=	**319**	**8**	**668**	**707**	**1,309**	**1,537**	**1,243**	**1,038**	**254**	**0**	**0**	**0**	**7,083**
Delivery Percentage		48%	94%	74%	62%	61%	57%	64%	60%	65%	0%	0%	0%	63%

Total Flow via the Buena Vista Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	26	32	0	0	69	136	0	0	0	0	0
2	0	34	0	0	39	76	130	0	0	0	0	0
3	62	34	0	18	0	91	125	0	0	0	0	0
4	69	32	0	34	0	96	118	0	0	0	0	0
5	73	37	0	52	0	102	118	0	0	0	0	0
6	87	38	0	51	0	96	121	0	0	0	0	0
7	87	60	0	53	0	102	127	0	0	0	0	0
8	86	59	0	67	0	119	118	0	0	0	0	0
9	85	55	0	75	0	116	101	0	0	0	0	0
10	77	43	0	80	0	122	98	0	0	0	0	3
11	69	31	0	88	0	115	84	0	0	0	0	0
12	72	27	0	64	0	112	78	0	0	0	0	0
13	68	24	0	31	0	96	78	0	0	0	0	0
14	65	29	0	44	0	89	95	0	0	0	0	0
15	68	48	0	0	0	87	94	0	0	0	0	0
16	77	60	0	0	0	120	95	0	0	5	0	0
17	72	46	0	0	0	115	90	0	0	34	0	0
18	73	63	0	0	0	112	88	0	0	44	0	0
19	76	81	0	0	0	111	81	0	0	11	0	0
20	59	88	0	0	0	104	79	0	0	11	0	0
21	65	73	0	0	0	91	80	0	0	5	0	0
22	79	61	0	0	0	107	78	0	0	0	0	0
23	102	66	0	0	0	111	80	0	0	0	0	0
24	101	57	0	0	0	130	78	0	0	0	0	0
25	95	35	0	0	0	123	83	0	0	0	0	0
26	92	35	0	0	0	134	84	0	0	0	0	0
27	99	33	0	0	0	139	78	0	0	0	0	0
28	84	35	0	0	0	143	59	0	0	0	0	0
29	88	38	0	0	23	149	59	0	0	0	0	0
30	85	-	0	0	45	152	51	0	0	0	0	0
31	69	-	4	-	38	-	0	0	-	0	-	0
TOTAL	2,284	1,348	36	657	145	3,329	2,784	0	0	110	0	3
MAXIMUM DAY	102	88	32	88	45	152	136	0	0	44	0	3
MINIMUM DAY	0	24	0	0	0	69	0	0	0	0	0	0
MEAN	74	48	1	22	5	111	90	0	0	4	0	0
TOTAL AC. FT.	4,530	2,674	71	1,303	288	6,603	5,522	0	0	218	0	6

WHOLE YEAR:- TOTAL, 10,696 MAX., 152 MIN., 0 MEAN, 29 TOTAL AC.FT., 21,215

KERN DELTA WATER DISTRICT

BUENA VISTA CANAL SERVICE AREA

Quantities in acre-feet

Year: 2020

		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	+	4,600	4,213	0	857	1,740	133	0	0	0	0	0	0	11,543
Buena Vista (1st) Release Gain	+	0	0	0	0	0	0	0	0	0	141	236	191	568
Buena Vista (1st) Release Loss	-	4,253	0	0	0	0	0	0	0	0	0	0	0	4,253
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**	**4,213**	**0**	**857**	**1,740**	**133**	**0**	**0**	**0**	**141**	**236**	**191**	**7,858**
Into Storage	-	200	1,704	0	2,457	1,597	31	1,090	525	0	123	4	191	7,922
From Storage	+	397	4	0	0	67	2,832	2,652	0	478	14	472	0	6,916
Storage Transfer to NKWSD	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal/River Loss	-	694	337	0	0	0	0	0	0	0	0	85	0	1,116
Transfer in Storage	+ or -	200	0	0	1,600	0	0	1,250	525	0	0	0	0	3,575
Via Pioneer Project	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head of Canal	=	**50**	**2,176**	**0**	**0**	**210**	**2,934**	**2,812**	**0**	**478**	**32**	**619**	**0**	**9,311**
From Hacienda WD (LR)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	=	**50**	**2,176**	**0**	**0**	**210**	**2,934**	**2,812**	**0**	**478**	**32**	**619**	**0**	**9,311**
Utility Deliveries		0	1,113	0	0	0	2,934	2,751	0	331	32	345	0	7,506
Contract Deliveries		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	-	**0**	**1,113**	**0**	**0**	**0**	**2,934**	**2,751**	**0**	**331**	**32**	**345**	**0**	**7,506**
Total District Spreading	-	**32**	**54**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**86**
Canal Conveyance Losses	=	18	1,009	0	0	210	0	61	0	147	0	274	0	1,719
Delivery Percentage		64%	54%	0%	0%	0%	100%	98%	0%	69%	100%	56%	0%	82%
Into Reservoir Storage		200	1,704	0	2,457	1,597	31	1,090	525	0	123	4	191	7,922
Reservoir Evaporation Loss		7	17	26	46	129	137	113	76	70	56	32	22	731
From Reservoir Storage		397	4	0	0	67	2,832	2,652	0	478	14	472	0	6,916
End of Month Reservoir Storage		**690**	**2,373**	**2,347**	**4,758**	**6,159**	**3,221**	**1,546**	**1,995**	**1,447**	**1,500**	**1,000**	**1,169**	
State Exchange Delivered	+	0	0	0	0	0	662	450	0	0	0	0	0	1,112
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**	**662**	**450**	**0**	**0**	**0**	**0**	**0**	**1,112**
BVWSD/Carmel Exchange Delivered	+	0	0	0	0	0	0	252	0	0	0	0	0	252
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**	**252**	**0**	**0**	**0**	**0**	**0**	**252**

KERN DELTA WATER DISTRICT
BUENA VISTA CANAL
DISTRIBUTION OF WATER

Quantities in acre-feet

Year: 2020

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista Canal at Headworks	4,530	2,674	71	1,303	288	6,603	5,522	0	0	218	0	6	21,215
Buena Vista Canal from Maples Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista Canal via Wells	131	0	0	0	83	762	1,238	0	0	0	0	0	2,214
TOTAL BUENA VISTA CANAL SUPPLY	**4,661**	**2,674**	**71**	**1,303**	**371**	**7,365**	**6,760**	**0**	**0**	**218**	**0**	**6**	**23,429**
Deliveries:													
Buena Vista Utility	0	1,099	0	0	0	2,934	2,751	0	0	0	0	0	6,784
Buena Vista Utility Spreading	32	54	0	0	0	0	0	0	0	0	0	0	86
Buena Vista State Exchange (Irrigation)	0	0	0	0	0	478	450	0	0	0	0	0	928
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	184	0	0	0	0	0	0	184
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	252	0	0	0	0	0	252
BVWSD/Carmel Exchange (Spreading)	0	0	0	0	0	0	0	0	0	0	0	0	0
Stine Utility	780	0	0	0	0	198	173	0	0	0	0	0	1,151
Stine Utility Spreading	2,497	0	0	0	0	0	0	0	0	0	0	0	2,497
Stine State Exchange (Irrigation)	0	0	0	0	0	30	26	0	0	0	0	0	56
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	46	0	0	0	0	0	0	0	0	0	0	0	46
Kern Island Utility	32	325	16	0	0	1,450	1,140	0	0	0	0	0	2,963
Kern Island Utility Spreading	91	0	0	496	0	0	0	0	0	0	0	0	587
TOTAL DELIVERED	**3,478**	**1,478**	**16**	**496**	**0**	**5,274**	**4,792**	**0**	**0**	**0**	**0**	**0**	**15,534**
Canal Conveyance Losses	1,183	1,196	55	807	371	2,091	1,968	0	0	218	0	6	7,895
Delivery Percentage	75%	55%	23%	38%	0%	72%	71%	0%	0%	0%	0%	0%	66%
DISTRIBUTION:													
Buena Vista Utility	32	1,153	0	0	0	2,934	2,751	0	0	0	0	0	6,870
Buena Vista State Water	0	0	0	0	0	478	450	0	0	0	0	0	928
Buena Vista MWD Water	0	0	0	0	0	184	0	0	0	0	0	0	184
BVWSD/Carmel Exchange	0	0	0	0	0	0	252	0	0	0	0	0	252
Stine Utility	3,277	0	0	0	0	198	173	0	0	0	0	0	3,648
Stine State Water	0	0	0	0	0	30	26	0	0	0	0	0	56
Farmers Utility	46	0	0	0	0	0	0	0	0	0	0	0	46
Kern Island Utility	123	325	16	496	0	1,450	1,140	0	0	0	0	0	3,550
Total Loss	1,183	1,196	55	807	371	2,091	1,968	0	0	218	0	6	7,895
TOTAL	**4,661**	**2,674**	**71**	**1,303**	**371**	**7,365**	**6,760**	**0**	**0**	**218**	**0**	**6**	**23,429**

Total Flow via the Stine Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND — **Year: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	24	0	0	0	45	87	0	0	0	0	34
2	0	33	0	0	0	43	87	0	0	0	0	35
3	0	33	0	0	0	51	86	0	0	0	0	34
4	0	19	0	0	0	52	86	0	0	0	0	35
5	0	16	0	0	0	57	84	0	0	0	0	30
6	30	0	0	0	0	46	88	0	0	0	0	21
7	33	0	0	0	0	54	86	0	0	0	0	30
8	38	0	0	0	0	74	72	0	0	0	0	29
9	38	0	0	0	0	69	72	0	0	0	0	23
10	38	0	0	0	0	71	65	0	0	0	0	22
11	41	0	0	0	0	80	64	0	0	0	0	0
12	42	0	0	0	0	77	66	0	0	0	0	0
13	39	0	0	0	0	57	74	0	0	0	0	0
14	28	0	0	0	0	49	85	0	0	0	0	0
15	28	0	0	0	0	59	92	0	0	0	0	0
16	30	0	0	0	0	72	92	0	0	0	0	0
17	33	0	0	0	0	74	90	0	0	0	0	0
18	28	51	0	0	0	80	58	0	0	0	0	0
19	15	40	0	0	0	75	0	0	0	0	0	0
20	26	36	0	0	0	60	0	0	0	0	0	0
21	29	28	0	0	0	78	0	0	0	0	0	0
22	21	34	0	0	0	91	0	0	0	0	9	0
23	26	36	0	0	0	93	0	0	0	0	39	0
24	29	27	0	0	0	99	0	0	0	0	38	0
25	39	24	0	0	0	95	0	0	0	0	34	0
26	49	26	0	0	0	98	0	0	0	0	28	0
27	49	0	0	0	0	95	0	0	0	0	25	0
28	45	0	0	0	0	82	0	0	0	0	18	0
29	48	0	0	0	0	89	0	0	0	0	19	0
30	50	-	0	0	0	87	0	0	0	0	25	0
31	42	-	0	-	0	-	0	0	-	0	-	0
TOTAL	914	427	0	0	0	2,152	1,434	0	0	0	235	293
MAXIMUM DAY	50	51	0	0	0	99	92	0	0	0	39	35
MINIMUM DAY	0	0	0	0	0	43	0	0	0	0	0	0
MEAN	29	15	0	0	0	72	46	0	0	0	8	9
TOTAL AC. FT.	1,813	847	0	0	0	4,268	2,844	0	0	0	466	581

WHOLE YEAR:- TOTAL, 5,455 MAX., 99 MIN., 0 MEAN, 15 TOTAL AC.FT., 10,819

KERN DELTA WATER DISTRICT
STINE CANAL SERVICE AREA

Quantities in acre-feet

Year: 2020

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Stine Preserved Entitlement	+									*583*	*1,380*	*22*	*12*	
Kern River Entitlement	+	111	0	0	1,604	3,260	250	0	0	0	0	0	0	5,225
Release Gain	+	7,453	0	0	0	0	0	0	0	0	0	0	12	7,465
Release Loss	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Entitlement + or - Releases	=	**7,564**	**0**	**0**	**1,604**	**3,260**	**250**	**0**	**0**	**0**	**0**	**0**	**12**	**12,690**
Into Storage	-	558	0	0	3,204	3,260	0	1,071	0	510	0	0	12	8,615
From Storage	+	303	66	0	0	0	4,788	2,987	0	0	0	0	0	8,144
Storage Transfer to NKWSD	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier/River Loss	-	111	66	0	0	0	0	0	0	0	0	0	0	177
Transfer in Storage	+ or -	(200)	0	0	1,600	0	0	1,250	0	510	0	0	0	3,160
Via Pioneer Project	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head of Canal	=	**6,998**	**0**	**0**	**0**	**0**	**5,038**	**3,166**	**0**	**0**	**0**	**0**	**0**	**15,202**
From Other	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	=	**6,998**	**0**	**0**	**0**	**0**	**5,038**	**3,166**	**0**	**0**	**0**	**0**	**0**	**15,202**
Utility Deliveries		1,593	0	0	0	0	2,231	1,248	0	0	0	0	0	5,072
Contract Deliveries		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	-	**1,593**	**0**	**0**	**0**	**0**	**2,231**	**1,248**	**0**	**0**	**0**	**0**	**0**	**5,072**
Total District Spreading	-	**3,459**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3,459**
Canal Conveyance Losses	=	1,946	0	0	0	0	2,807	1,918	0	0	0	0	0	6,671
Delivery Percentage		72%	0%	0%	0%	0%	44%	39%	0%	0%	0%	0%	0%	56%

Into Reservoir Storage		558	0	0	3,204	3,260	0	1,071	0	510	0	0	12	8,615
Reservoir Evaporation Loss		15	15	16	36	141	151	67	36	43	44	26	22	612
From Reservoir Storage		303	66	0	0	0	4,788	2,987	0	0	0	0	0	8,144
End of Month Reservoir Storage		**1,500**	**1,419**	**1,403**	**4,571**	**7,690**	**2,751**	**768**	**732**	**1,199**	**1,155**	**1,129**	**1,119**	

State Exchange Delivered	+	0	0	0	0	0	341	191	0	0	0	0	0	532
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**	**341**	**191**	**0**	**0**	**0**	**0**	**0**	**532**
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: 2020

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Farmers Preserved Entitlement									*610*	*268*			*207*	
Kern River Entitlement	+	0	0	0	1,591	3,261	220	0	0	0	0	0	0	5,072
Release Gain	+	935	0	0	0	0	0	0	0	0	0	0	122	1,057
Release Loss	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Entitlement + or - Releases	=	**935**	**0**	**0**	**1,591**	**3,261**	**220**	**0**	**0**	**0**	**0**	**0**	**122**	**6,129**
Into Storage	-	582	0	0	1,591	3,146	102	895	0	650	0	0	122	7,088
From Storage	+	547	0	0	0	0	2,220	998	2,277	242	0	50	0	6,334
Transfer in Storage	+ or -	(200)	0	0	0	0	0	1,000	0	650	0	0	0	1,450
Storage Transfer to NKWSD	-	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
Diverted at Head of Canal	=	**700**	**0**	**0**	**0**	**115**	**2,338**	**1,103**	**2,277**	**242**	**0**	**50**	**0**	**6,825**
From Other	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	=	**700**	**0**	**0**	**0**	**115**	**2,338**	**1,103**	**2,277**	**242**	**0**	**50**	**0**	**6,825**
Utility Deliveries		22	0	0	0	73	1,470	1,103	1,687	177	0	8	0	4,540
Contract Deliveries		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	-	**22**	**0**	**0**	**0**	**73**	**1,470**	**1,103**	**1,687**	**177**	**0**	**8**	**0**	**4,540**
Total District Spreading	-	**425**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**425**
Canal Conveyance Losses	=	253	0	0	0	42	868	0	590	65	0	42	0	1,860
Delivery Percentage		64%	0%	0%	0%	63%	63%	100%	74%	73%	0%	16%	0%	67%

Into Reservoir Storage		582	0	0	1,591	3,146	102	895	0	650	0	0	122	7,088
Reservoir Evaporation Loss		13	18	16	30	108	147	166	115	57	56	32	25	783
From Reservoir Storage		547	0	0	0	0	2,220	998	2,277	242	0	50	0	6,334
End of Month Reservoir Storage		**1,500**	**1,482**	**1,466**	**3,027**	**6,065**	**3,800**	**3,531**	**1,139**	**1,490**	**1,434**	**1,352**	**1,449**	

State Exchange Delivered	+	0	0	0	0	0	0	24	0	0	0	0	0	24
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**	**24**	**0**	**0**	**0**	**0**	**0**	24
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: 2020

		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
														6,544
	November	87	121	0	337	0	0	0	0	0	0	0	545	5,999
	December	0	0	0	0	0	0	0	0	0	0	0	0	5,999
2019	January	0	0	0	0	0	0	0	0	0	0	0	0	5,999
Carry	February	0	0	0	0	0	0	0	0	0	0	0	0	5,999
Over	March	0	0	0	0	0	0	0	0	0	0	30	30	5,969
	April	0	0	0	0	0	0	0	0	0	0	81	81	5,888
	May	64	121	228	0	0	0	0	0	0	0	123	536	5,352
	June	266	589	313	478	341	0	0	0	0	0	112	2,099	3,253
	July	222	924	325	450	191	24	0	0	0	0	71	2,207	1,046
	August	170	805	49	0	0	0	0	0	0	0	22	1,046	0
	Total	**809**	**2,560**	**915**	**1,265**	**532**	**24**	**0**	**0**	**0**	**0**	**439**	**6,544**	

**2020 SWP Table A = 5,100* **2020 Yuba = 77*

														5,177
	March	0	0	0	0	0	0	0	0	0	0	0	0	5,177
	April	0	0	0	0	0	0	0	0	0	0	0	0	5,177
	May	0	0	0	0	0	0	0	0	0	0	0	0	5,177
	June	0	0	0	0	0	0	0	0	0	0	0	0	5,177
2020	July	0	0	0	0	0	0	0	0	0	0	0	0	5,177
Contract	August	82	643	22	0	0	0	0	0	0	0	0	747	4,430
	September	0	0	0	0	0	0	0	0	0	0	0	0	4,430
	October	0	0	0	0	0	0	0	0	0	0	0	0	4,430
	Total	**82**	**643**	**22**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**747**	

														4,430
2020	November	0	0	0	0	0	0	0	0	0	0	0	0	4,430
Carry	December	0	0	0	0	0	0	0	0	0	0	0	0	4,430
Over	**Total**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

BAKERSFIELD

THE SOUND OF *Something Better*

KERN RIVER CHANNEL OPERATIONS
CITY OF BAKERSFIELD

Quantities in acre-feet

Year: 2020

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+	**Kern River at First Point of Measurement**	**26,469**	**20,204**	**20,118**	**36,322**	**53,205**	**60,296**	**64,738**	**38,295**	**14,612**	**9,144**	**8,279**	**10,955**	**362,637**
-	Computed Loss	676	633	676	655	676	655	676	676	655	676	655	676	7,985
-	Beardsley Canal at Head	3,253	2,255	587	839	8,410	13,148	15,281	10,923	4,661	1,115	1,065	4,394	65,931
-	Panorama Preserve	0	0	0	4	0	2	2	2	0	0	0	0	10
-	Carrier Canal at Head	12,627	17,316	18,795	15,775	16,346	19,795	18,976	20,170	9,296	7,353	6,559	3,223	166,231
=	**Rocky Point Weir**	**9,913**	**0**	**60**	**19,049**	**27,773**	**26,696**	**29,803**	**6,524**	**0**	**0**	**0**	**2,662**	**122,480**
+	Carrier Waste Gate	0	0	0	0	0	0	0	0	0	0	0	0	0
+	Farmers-Stine-Anderson: to River	305	2,904	4,449	772	0	0	0	3,394	33	0	1,388	1,172	14,417
-	Farmers-Stine-Anderson: from River	4,594	0	0	7,200	14,951	20,705	22,610	4,414	0	0	0	0	74,474
-	Calloway Canal at Head	2,698	2,293	3,162	2,711	3,572	4,699	5,907	4,742	0	0	960	2,728	33,472
-	River Loss: Rocky Point to Calloway Weir	1,473	611	825	1,303	1,391	1,180	1,207	684	33	0	428	1,106	10,241
=	**Calloway River Weir**	**1,453**	**0**	**522**	**8,607**	**7,859**	**112**	**79**	**78**	**0**	**0**	**0**	**0**	**18,710**
+	CVC T.O. #4 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+	Truxtun Lake to River	0	305	916	1,340	597	0	0	0	0	0	0	0	3,158
+	CVC T.O. #3 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+	Friant-Kern Inflow	0	0	0	0	0	0	0	0	0	0	0	0	0
-	River Canal Pond Storage Withdraw	0	0	0	0	0	0	0	0	0	0	0	0	0
-	River Canal from River	123	0	0	0	0	0	0	0	0	0	0	0	123
-	River Loss: Cally. Weir to River Canal Weir	787	305	1,206	5,500	3,269	112	79	78	0	0	0	0	11,336
=	**River Canal Weir**	**543**	**0**	**232**	**4,447**	**5,187**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10,409**
+	Pioneer Turnout	1,099	155	599	9,035	13,148	4,661	10,302	4,449	0	0	0	0	43,448
-	The Park at River Walk	0	75	85	179	157	119	123	0	0	0	0	0	738
+	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	5,774	4,226	0	0	0	0	0	0	0	10,000
-	Aera Park Turnout	99	0	62	256	307	109	0	0	0	0	0	0	833
-	Pioneer Canal at Head	0	0	0	0	0	768	8,342	3,838	0	0	0	0	12,948
-	Berrenda Mesa Pipeline Turnout	23	0	111	595	576	224	0	0	0	0	0	0	1,529
-	River Loss: River Canal to Bellevue Weir	843	80	573	2,209	1,997	615	1,837	611	0	0	0	0	8,765
=	**Flow at Bellevue Weir**	**677**	**0**	**0**	**4,469**	**11,072**	**2,826**	**0**	**0**	**0**	**0**	**0**	**0**	**19,044**
-	River Loss: Bellevue Weir to ID#4 Boundary	290	0	0	994	1,271	357	0	0	0	0	0	0	2,912
-	River Loss: ID#4 Boundary to 2800 Acres	298	0	0	990	1,246	357	0	0	0	0	0	0	2,891
+	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	89	0	0	2,485	8,555	2,112	0	0	0	0	0	0	13,241
=	**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: 2020

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ **Carrier Canal at Head**	**12,627**	**17,316**	**18,795**	**15,775**	**16,346**	**19,795**	**18,976**	**20,170**	**9,296**	**7,353**	**6,559**	**3,223**	**166,231**
- Carrier Waste Gate	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Oilfield Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0
- Canal Refill	0	0	0	0	0	0	0	0	0	0	0	0	0
= **Carrier Reclamation Weir**	**12,627**	**17,316**	**18,795**	**15,775**	**16,346**	**19,795**	**18,976**	**20,170**	**9,296**	**7,353**	**6,559**	**3,223**	**166,231**
+ Storm Drain Inflow	0	0	58	148	0	0	0	0	0	0	0	0	206
- Eastside Canal at Head	611	133	2,596	1,880	3,338	3,584	3,499	2,575	734	0	0	0	18,950
- Kern Island Canal at Head	8,079	8,874	9,051	6,575	10,451	13,547	12,666	11,567	8,529	6,704	4,612	1,307	101,962
= **Levee No. 1**	**3,937**	**8,309**	**7,206**	**7,468**	**2,557**	**2,664**	**2,811**	**6,028**	**33**	**649**	**1,947**	**1,916**	**45,525**
- Farmers-Stine-Anderson: to River	305	2,904	4,449	772	0	0	0	3,394	33	0	1,388	1,172	14,417
+ Farmers-Stine-Anderson: from River	4,594	0	0	7,200	14,951	20,705	22,610	4,414	0	0	0	0	74,474
= **Carrier Canal at Oak Street**	**8,226**	**5,405**	**2,757**	**13,896**	**17,508**	**23,369**	**25,421**	**7,048**	**0**	**649**	**559**	**744**	**105,582**
- Stine Canal at Head	1,813	847	0	0	0	4,268	2,844	0	0	0	466	581	10,819
- Carrier to Truxtun Lakes	558	1,281	1,737	2,050	1,399	593	474	258	0	121	0	0	8,471
+ Truxtun Lakes to Carrier	232	123	79	0	10	83	57	2	0	0	0	0	586
- Arvin-Edison Turnout	0	0	0	0	0	0	768	1,442	0	0	0	0	2,210
- Total Carrier Canal Loss	581	571	429	655	698	593	597	421	0	310	93	157	5,105
+ River Canal from River	123	0	0	0	0	0	0	0	0	0	0	0	123
= **River Canal at Stockdale Highway**	**5,629**	**2,829**	**670**	**11,191**	**15,421**	**17,998**	**20,795**	**4,929**	**0**	**218**	**0**	**6**	**79,686**
- Buena Vista Canal at Head	4,530	2,674	71	1,303	288	6,603	5,522	0	0	218	0	6	21,215
- Pioneer Turnout	1,099	155	599	9,035	13,148	4,661	10,302	4,449	0	0	0	0	43,448
- James Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Pioneer Well Water Production	0	0	167	659	668	668	710	56	0	0	0	0	2,928
= **River Canal at Alternate Second Point**	**0**	**0**	**167**	**1,512**	**2,653**	**7,402**	**5,681**	**536**	**0**	**0**	**0**	**0**	**17,951**
+ City-Olcese Well Water Production	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Berrenda Mesa Well Water Production	0	0	48	912	863	93	0	0	0	0	0	0	1,916
+ ID4 Well Water Production	0	0	11	991	946	953	978	63	0	0	0	0	3,942
+ Pioneer Well Water Production	0	0	665	2,629	2,579	2,479	2,406	169	0	0	0	0	10,927
+ KWB Well Water Production	0	0	877	2,269	2,255	2,131	1,966	0	0	0	0	0	9,498
+ Pioneer Flood Water	0	0	0	0	0	0	0	0	0	0	0	0	0
- Kern Delta WD via River Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
- KCWA via River Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
- City of Bakersfield for Buena Vista WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
- Basin 7 Turnout	0	0	0	0	0	0	0	0	0	0	0	0	0
= **Second Point Group Flow via River Canal**	**0**	**0**	**1,768**	**8,313**	**9,296**	**13,058**	**11,031**	**768**	**0**	**0**	**0**	**0**	**44,234**

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

Quantities in acre-feet

Year: 2020

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	+	1,158	1,075	7,883	17,271	20,906	10,380	180	0	0	0	0	0	58,853
Release	+	1,238	0	0	0	0	0	0	0	0	415	1,190	1,209	4,052
ENTITLEMENT + OR - RELEASES	=	**2,396**	**1,075**	**7,883**	**17,271**	**20,906**	**10,380**	**180**	**0**	**0**	**415**	**1,190**	**1,209**	**62,905**
Storage Transfers	+ or -	645	0	0	0	5,802	0	0	0	0	0	2,991	661	10,099
From Reservoir Storage	+	1,473	2,281	147	7,004	6,165	399	3,779	3,636	829	738	42	0	26,493
Into Reservoir Storage	-	0	0	2,651	2,630	7,116	1,861	6	0	11	59	3,160	1,101	18,595
KDWD Transfer	+ or -	0	75	0	899	672	0	40	40	476	278	0	0	2,480
TOTAL SUPPLY	=	**4,514**	**3,431**	**5,379**	**22,544**	**26,429**	**8,918**	**3,993**	**3,676**	**1,294**	**1,372**	**1,063**	**769**	**83,382**
County of Kern (Above First Point)		30	32	67	92	119	155	186	176	136	99	66	44	1,202
Kern Valley Golf Course		0	0	0	0	0	0	0	0	0	0	0	0	0
California Water Service Company		807	753	810	769	1,127	1,428	1,126	1,265	1,038	849	831	500	11,303
Olcese Water District		0	0	5	16	75	85	90	90	87	64	33	11	556
North Kern WSD (Extension Water)		0	0	0	0	0	0	0	0	0	0	0	0	0
North Kern WSD (Borrow/Payback)		0	0	0	0	0	0	0	0	0	0	0	0	0
North Kern WSD (Excess Accretions)		0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Delta WD Recharge		0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale RBWSD (Basic Contract)		0	0	0	5,774	4,226	0	0	0	0	0	0	0	10,000
Rosedale RBWSD (Miscellaneous)		0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale RBWSD (Purchase)		0	0	0	0	0	0	0	0	0	0	0	0	0
Cal Water North Garden Plant		0	0	0	0	0	0	0	0	0	0	0	0	0
Calloway Canal Non ID 4 (NW Feeder)		986	895	1,038	310	623	960	1,184	1,266	0	0	56	62	7,380
Kern Delta Water District		0	0	0	0	0	0	0	0	0	0	0	0	0
Calloway Canal		0	0	0	0	0	0	0	0	0	0	0	0	0
Kern County Water Agency via Sale		0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista WSD via Sale		0	0	0	0	0	0	0	0	0	0	0	0	0
Shafter-Wasco ID		0	0	0	0	0	0	0	0	0	0	0	0	0
Pioneer Project		0	0	0	0	0	0	0	0	0	0	0	0	0
Truxtun Lake		326	853	742	710	792	510	417	256	0	121	0	0	4,727
The Park at River Walk		0	75	85	179	157	119	123	0	0	0	0	0	738
Aera Park		99	0	62	256	307	109	0	0	0	0	0	0	833
Berrenda Mesa TO		23	0	111	595	576	224	0	0	0	0	0	0	1,529
Arvin -Edison		0	0	0	0	0	0	0	0	0	0	0	0	0
Panorama Preserve		0	0	0	4	0	2	2	2	0	0	0	0	10
2800 Acre Banking		89	0	0	2,485	8,555	2,112	0	0	0	0	0	0	13,241
First Point Passing Second Point		0	0	0	0	0	0	0	0	0	0	0	0	0
River and Carrier Canal Loss		2,154	823	2,459	11,354	9,872	3,214	865	621	33	239	77	152	31,863
TOTAL DIVERTED	=	**4,514**	**3,431**	**5,379**	**22,544**	**26,429**	**8,918**	**3,993**	**3,676**	**1,294**	**1,372**	**1,063**	**769**	**83,382**
Into Reservoir Storage		0	0	2,651	2,630	7,116	1,861	6	0	11	59	3,160	1,101	18,595
Reservoir Evaporation Loss		154	173	173	232	194	394	540	416	262	204	115	107	2,964
From Reservoir Storage		1,473	2,281	147	7,004	6,165	399	3,779	3,636	829	738	42	0	26,493
End of Month Reservoir Storage		**15,079**	**12,625**	**14,956**	**10,350**	**11,107**	**12,175**	**7,862**	**3,810**	**2,730**	**1,847**	**4,850**	**5,844**	

CITY OF BAKERSFIELD
STATUS OF LONG TERM CONTRACTS

Quantities in acre-feet

NORTH KERN WATER STORAGE DISTRICT

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

CAWELO WATER DISTRICT

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

KERN-TULARE WATER DISTRICT

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

RAG GULCH WATER DISTRICT

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

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

DISCHARGE IN CUBIC FEET PER SECOND **(Diverted from Kern River Channel)** **Year: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	170	0	0	0	0	0	0	0
2	0	0	0	0	169	0	0	0	0	0	0	0
3	0	0	0	0	168	0	0	0	0	0	0	0
4	0	0	0	0	169	0	0	0	0	0	0	0
5	0	0	0	0	168	0	0	0	0	0	0	0
6	0	0	0	0	166	0	0	0	0	0	0	0
7	0	0	0	0	101	0	0	0	0	0	0	0
8	0	0	0	0	69	0	0	0	0	0	0	0
9	0	0	0	0	167	0	0	0	0	0	0	0
10	0	0	0	0	166	0	0	0	0	0	0	0
11	0	0	0	0	164	0	0	0	0	0	0	0
12	0	0	0	0	167	0	0	0	0	0	0	0
13	0	0	0	48	167	0	0	0	0	0	0	0
14	0	0	0	162	120	0	0	0	0	0	0	0
15	0	0	0	169	0	0	0	0	0	0	0	0
16	0	0	0	171	0	0	0	0	0	0	0	0
17	0	0	0	167	0	0	0	0	0	0	0	0
18	0	0	0	170	0	0	0	0	0	0	0	0
19	0	0	0	171	0	0	0	0	0	0	0	0
20	0	0	0	168	0	0	0	0	0	0	0	0
21	0	0	0	170	0	0	0	0	0	0	0	0
22	0	0	0	169	0	0	0	0	0	0	0	0
23	0	0	0	169	0	0	0	0	0	0	0	0
24	0	0	0	169	0	0	0	0	0	0	0	0
25	0	0	0	170	0	0	0	0	0	0	0	0
26	0	0	0	169	0	0	0	0	0	0	0	0
27	0	0	0	168	0	0	0	0	0	0	0	0
28	0	0	0	168	0	0	0	0	0	0	0	0
29	0	0	0	167	0	0	0	0	0	0	0	0
30	0	-	0	166	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	2,911	2,131	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	171	170	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	97	69	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	5,774	4,226	0	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 5,042 MAX., 171 MIN., 0 MEAN, 14 TOTAL AC.FT., 10,000

ROSEDALE RIO BRAVO WATER STORAGE DISTRICT

Hydrographic and Accounting Report by City of Bakersfield

Quantities in acre-feet

Year: 2020

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	(a)	(b)	(c)	(d)	(e)		Basic Contract	(f)	(g) Miscellaneous		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	acre-feet	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	5,774	4,000	1,774	0	0	0	0	0	0	0	0
May	0	0	0	0	0	4,226	0	4,226	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	10,000	4,000	6,000	0	0	0	0	0	0	0	0

6.310	= Current Escalator =	6.310	0	0	2019
$6.31	= Totals =	$37,860.00	0	0	2018
	(per 1961 Agreement)		0	0	2017
			0	0	2016

Preceding Four Years

Notes :

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

ROSEDALE RBWSD DIVERSION RECAPITULATION

Quantities in acre-feet

YEAR: 2020

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Rosedale Channel at Headgate	+	0	0	0	5,774	4,226	0	0	0	0	0	0	0	10,000
City for Others	-	0	0	0	0	0	0	0	0	0	0	0	0	0
for Rosedale RBWSD	=	**0**	**0**	**0**	**5,774**	**4,226**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10,000**
- City Contract Water		0	0	0	5,774	4,226	0	0	0	0	0	0	0	10,000
= Fraint Water		0	0	0	0	0	0	0	0	0	0	0	0	0
via Berrenda Mesa Pipeline	+	0	0	0	0	0	0	0	0	0	0	0	0	0
via 2800 Acres to Central Pioneer	+	0	0	0	0	0	0	0	0	0	0	0	0	0
via 2800 Acres to North Pioneer	+	0	0	0	0	0	0	0	0	0	0	0	0	0
via 2800 Acres to Kern Water Bank	+	0	0	0	0	0	0	0	0	0	0	0	0	0
via Pioneer Canal Inlet	+	0	0	0	0	0	0	0	0	0	0	0	0	0
via West Kern Water District	+	0	0	0	0	0	0	0	0	0	0	0	0	0
via Pioneer Project	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Recharge	+	0	0	0	0	0	0	0	0	0	0	0	0	0
2800 Acre Spreading (Gross)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Channel Spreading	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Channel at 2nd Point	+	0	0	0	0	0	0	0	0	0	0	0	0	0
For Cawelo Water District	+	0	0	0	0	0	0	0	0	0	0	0	0	0
For Improvement District #4	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Diverted	=	**0**	**0**	**0**	**5,774**	**4,226**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10,000**

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
City of Bakersfield Basic Contract	+	0	0	0	5,774	4,226	0	0	0	0	0	0	0	10,000
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
Fraint 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**	**5,774**	**4,226**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10,000**

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	(2) CARRY FORWARD OVER (UNDER)	END of YEAR CONTRACT BALANCE (3) (4) 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

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

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

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

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

STATUS OF CONTRACT

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

Cumulative Miscellaneous Water Balance
Pursuant to June 6, 1976 Agreement No. 76-80
Amended on August 16, 2006 with Agreement No. 06-235

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	58,317	19,439	117	(19,322)	(46,357)
2011	34,671	11,557	10,591	(966)	(47,323)
2012	0	0	0	0	(47,323)
2013	0	0	0	0	(47,323)
2014	0	0	0	0	(47,323)
2015	0	0	0	0	(47,323)
2016	0	0	0	0	(47,323)
2017	0	0	47,323	0	0
2018	0	0	0	0	0
2019	0	0	0	0	0
2020	0	0	0	0	0

Notes:

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

*Column (B) 1/3 component removed in 2012 **

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

KERN RIVER CANAL & IRRIGATING COMPANY
CITY OF BAKERSFIELD

Quantities in acre-feet

Year: 2020

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	+	0	0	0	572	2,000	0	0	0	0	0	0	0	2,572
Release	+ or -	0	0	0	0	0	0	0	0	0	0	0	0	0
ENTITLEMENT + OR - RELEASE	=	**0**	**0**	**0**	**572**	**2,000**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2,572**
From City of Bakersfield	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From NKWSD	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Into Isabella Storage	-	0	0	0	227	655	0	0	0	0	0	0	0	882
From Isabella Storage	+	64	585	587	430	6,061	875	940	772	496	484	446	417	12,157
To City of Bakersfield	-	0	0	0	0	5,802	0	0	0	0	0	0	0	5,802
To NKWSD (KRC&I 30%)	-	0	0	0	172	0	0	0	0	0	0	0	0	172
DIVERTED AT HEAD	=	**64**	**585**	**587**	**603**	**1,604**	**875**	**940**	**772**	**496**	**484**	**446**	**417**	**7,873**
Irrigation Deliveries	-	2	117	66	36	208	0	0	0	0	0	0	0	429
North Garden Treatment Plant	-	54	353	430	446	620	815	879	713	449	424	386	348	5,917
NKWSD at Seventh Standard Line	-	0	0	0	0	600	0	0	0	0	0	0	0	600
Spreading Deliveries	-	0	0	0	61	114	0	0	0	0	0	0	0	175
Other	-	0	57	30	0	0	0	0	0	0	0	0	16	103
Canal Loss	=	8	58	61	60	62	60	61	59	47	60	60	53	649
Irrigation Delivery Percentage		88%	90%	90%	80%	89%	93%	94%	92%	91%	88%	87%	83%	81%

Into Isabella Storage		0	0	0	227	655	0	0	0	0	0	0	0	882
Isabella Evaporation Loss		123	147	132	163	264	140	167	146	95	62	24	12	1,475
From Isabella Storage		64	585	587	430	6,061	875	940	772	496	484	446	417	12,157
Transfer in Storage		0	0	0	0	0	0	0	0	0	0	0	0	0
End of Month Isabella Storage		**12,991**	**12,259**	**11,540**	**11,174**	**5,504**	**4,489**	**3,382**	**2,464**	**1,873**	**1,327**	**857**	**428**	

SOUTH FORK DIVERSION RIGHT SUMMARY

Quantities in acre-feet

Year: 2020

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	+	615	573	0	108	230	16	0	0	0	0	0	0	1,542
Release	+ or -	30	0	0	0	0	0	0	0	0	141	625	655	1,451
Entitlement + or - Releases	=	**645**	**573**	**0**	**108**	**230**	**16**	**0**	**0**	**0**	**141**	**625**	**655**	**2,993**
KDWD Transfer	+ or -	0	34	0	478	347	0	21	21	250	147	0	0	1,298
Transfer in Storage	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Into Isabella Storage	-	0	607	0	586	577	16	21	21	250	288	605	0	2,971
From Isabella Storage	+	0	0	0	0	0	0	0	0	0	0	2,971	0	2,971
Other	+ or -	(645)	0	0	0	0	0	0	0	0	0	(2,991)	(655)	(4,291)
Total Deliveries	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Old South Fork		0	0	0	0	0	0	0	0	0	0	0	0	0
Panama Ranch		0	0	0	0	0	0	0	0	0	0	0	0	0

Into Isabella Storage		0	607	0	586	577	16	21	21	250	288	605	0	2,971
From Isabella Storage		0	0	0	0	0	0	0	0	0	0	2,971	0	2,971
End of Month Isabella Storage		**600**	**1,207**	**1,207**	**1,793**	**2,370**	**2,386**	**2,407**	**2,428**	**2,678**	**2,966**	**600**	**600**	

IMPROVEMENT DISTRICT NO. 4
KERN RIVER SUPPLY AND DIVERSION RECAP

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

YEAR: 2020

Quantities in acre-feet

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	Treatment Plant via Calloway Canal	+	2438	2055	2860	2362	3112	4334	5542	4423	0	0	833	2343	30302
	Calloway Canal Operational Losses	+	123	95	123	119	107	119	123	107	0	0	48	123	1087
	Calloway Canal Below "99"	+	137	143	179	230	353	246	242	212	0	0	79	262	2083
	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	=	2698	2293	3162	2711	3572	4699	5907	4742	0	0	960	2728	33472
	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	+	587	579	825	1303	1391	1180	1207	684	0	0	428	1106	9290
	River Spreading Below Calloway Weir	+	0	0	0	0	0	0	0	78	0	0	0	0	78
+	Sub-total River Loss/Spreading	=	587	579	825	1303	1391	1180	1207	762	0	0	428	1106	9368
+	The Park at River Walk		0	0	0	0	0	0	0	0	0	0	0	0	0
=	**Improvement District #4 Total Diverted**		**3285**	**2872**	**3987**	**4014**	**4963**	**5879**	**7114**	**5504**	**0**	**0**	**1388**	**3834**	**42840**
+	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 Aera Lake Exchange	+	0	0	0	0	0	0	0	0	0	0	0	0	0
	City (Non-Improvement District #4 Water)	+	986	1133	1347	1613	2014	2140	1428	1448	0	0	133	214	12456
+	Sub-total City of Bakersfield	=	986	1133	1347	1613	2014	2140	1428	1448	0	0	133	214	12456
+	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		2299	1739	2640	0	0	46	1505	1396	0	0	1255	3620	14500
+	KDWD/MET Exchange		0	0	0	2401	2949	3693	4181	2660	0	0	0	0	15884
+	ID4-TCCWD Exchange		0	0	0	0	0	0	0	0	0	0	0	0	0
+	ID4-WRMWSD Exchange		0	0	0	0	0	0	0	0	0	0	0	0	0
+	BVWSD to ID#4		0	0	0	0	0	0	0	0	0	0	0	0	0
+	Carmel/LHWD to ID#4		0	0	0	0	0	0	0	0	0	0	0	0	0
+	HMWD to ID#4		0	0	0	0	0	0	0	0	0	0	0	0	0
+	KCWA LR		0	0	0	0	0	0	0	0	0	0	0	0	0
+	Hacienda WD / ID4-KCWA Exchange		0	0	0	0	0	0	0	0	0	0	0	0	0
+	Hacienda WD / ID4- SWP Exchange		0	0	0	0	0	0	0	0	0	0	0	0	0
+	Hacienda WD/ID4 COB Purchase		0	0	0	0	0	0	0	0	0	0	0	0	0
=	**Improvement District #4 Total Supply**		**3285**	**2872**	**3987**	**4014**	**4963**	**5879**	**7114**	**5504**	**0**	**0**	**1388**	**3834**	**42840**

CITY OF BAKERSFIELD/IMPROVEMENT DISTRICT NO.4

TRUXTUN LAKE EXCHANGE

Status as of December 31, 2020

RECAPITULATION IN ACRE-FEET

Year: 2020

DATE OF TRANSACTION	CITY TO ID4	ID4 TO CITY	EXCHANGE BALANCE
January 2016	0	0	1,660
February 2016	0	0	1,660
March 2016	0	0	1,660
April 2016	0	0	1,660
May 2016	0	0	1,660
June 2016	0	0	1,660
July 2016	0	0	1,660
August 2016	0	0	1,660
September 2016	0	0	1,660
October 2016	0	0	1,660
November 2016	0	0	1,660
December 2016	0	0	1,660
January 2017	0	0	1,660
February 2017	0	0	1,660
March 2017	0	0	1,660
April 2017	0	0	1,660
May 2017	0	275	1,385
June 2017	0	0	1,385
July 2017	0	0	1,385
August 2017	0	0	1,385
September 2017	0	0	1,385
October 2017	0	0	1,385
November 2017	0	0	1,385
December 2017	0	60	1,325
January 2018	0	129	1,196
February 2018	0	119	1,077
March 2018	0	107	970
April 2018	0	0	970
May 2018	0	0	970
June 2018	0	0	970
July 2018	0	0	970
August 2018	0	0	970
September 2018	0	0	970
October 2018	0	0	970
November 2018	0	0	970
December 2018	0	444	526
January 2019	0	0	526
February 2019	0	127	399
March 2019	0	386	13
April 2019	0	0	13
May 2019	0	0	13
June 2019	0	0	13
July 2019	0	0	13
August 2019	0	0	13
September 2019	0	0	13
October 2019	0	0	13
November 2019	0	0	13
December 2019	0	0	13
January 2020	0	0	13
February 2020	0	0	13
March 2020	0	0	13
April 2020	0	0	13
May 2020	0	0	13
June 2020	0	0	13
July 2020	0	0	13
August 2020	0	0	13
September 2020	0	0	13
October 2020	0	0	13
November 2020	0	0	13
December 2020	0	0	13
EXCHANGE TOTALS	0	1,647	

NOTES:

Cawelo Water District Total Diverted via Beardsley-Lerdo Canal System

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	61	0	0	0	72	0	78	16	24	37	0
2	0	61	0	0	0	72	32	78	16	37	37	0
3	0	61	0	0	0	72	72	78	16	37	13	0
4	0	61	0	0	0	72	72	78	16	37	0	0
5	0	61	0	0	0	72	72	78	6	37	0	0
6	0	61	0	0	0	0	72	37	6	37	0	0
7	0	0	0	0	0	0	32	37	6	37	0	0
8	0	0	0	0	0	0	32	37	6	37	0	0
9	0	0	0	0	0	0	72	37	6	15	21	0
10	0	0	0	0	0	0	102	37	6	0	16	0
11	0	0	0	0	0	72	102	37	5	0	0	0
12	0	0	0	0	0	72	102	37	5	0	0	0
13	0	0	0	0	33	72	102	37	5	0	0	0
14	0	0	0	0	33	72	0	37	5	0	0	0
15	0	0	0	0	33	72	0	37	5	0	0	0
16	0	0	0	0	33	0	32	37	0	0	0	0
17	0	0	0	0	33	0	32	37	0	0	0	0
18	0	0	0	0	33	0	31	108	0	0	0	0
19	0	0	0	0	0	0	31	108	0	0	0	0
20	0	0	0	0	0	0	31	37	0	0	0	0
21	0	0	0	0	0	0	31	37	0	24	0	0
22	0	0	0	0	0	0	31	37	0	37	0	0
23	0	0	0	0	0	72	31	37	0	37	0	0
24	0	0	0	0	0	72	31	37	0	37	0	0
25	0	0	0	0	0	102	31	37	0	37	0	0
26	0	0	0	0	0	102	31	78	0	37	0	0
27	0	0	0	0	72	102	0	78	0	37	0	0
28	0	0	0	0	72	102	0	72	0	37	0	0
29	0	0	0	0	72	102	31	72	0	37	0	0
30	61	-	0	0	72	0	78	72	0	37	0	0
31	61	-	0	-	72	-	78	72	-	37	-	0
TOTAL	122	366	0	0	558	1,374	1,394	1,716	125	692	124	0
MAXIMUM DAY	61	61	0	0	72	102	102	108	16	37	37	0
MINIMUM DAY	0	0	0	0	0	0	0	37	0	0	0	0
MEAN	4	13	0	0	18	46	45	55	4	22	4	0
TOTAL AC. FT.	242	725	0	0	1,107	2,725	2,765	3,404	248	1,373	246	0

WHOLE YEAR:- TOTAL, 6,471 MAX., 108 MIN., 0 MEAN, 18 TOTAL AC.FT., 12,835

Buena Vista WSD Diverted for Cawelo Water District

DISCHARGE IN CUBIC FEET PER SECOND **(Kern River/SWP Exchange)** **Year: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	72	0	72	10	0	0	0
2	0	0	0	0	0	72	32	72	10	0	0	0
3	0	0	0	0	0	72	72	72	10	0	0	0
4	0	0	0	0	0	72	72	72	10	0	0	0
5	0	0	0	0	0	72	72	72	0	0	0	0
6	0	0	0	0	0	0	72	31	0	0	0	0
7	0	0	0	0	0	0	32	31	0	0	0	0
8	0	0	0	0	0	0	32	31	0	0	0	0
9	0	0	0	0	0	0	72	31	0	0	0	0
10	0	0	0	0	0	0	102	31	0	0	0	0
11	0	0	0	0	0	72	102	31	0	0	0	0
12	0	0	0	0	0	72	102	31	0	0	0	0
13	0	0	0	0	33	72	102	31	0	0	0	0
14	0	0	0	0	33	72	0	31	0	0	0	0
15	0	0	0	0	33	72	0	31	0	0	0	0
16	0	0	0	0	33	0	32	31	0	0	0	0
17	0	0	0	0	33	0	32	31	0	0	0	0
18	0	0	0	0	33	0	31	102	0	0	0	0
19	0	0	0	0	0	0	31	102	0	0	0	0
20	0	0	0	0	0	0	31	31	0	0	0	0
21	0	0	0	0	0	0	31	31	0	0	0	0
22	0	0	0	0	0	0	31	31	0	0	0	0
23	0	0	0	0	0	72	31	31	0	0	0	0
24	0	0	0	0	0	72	31	31	0	0	0	0
25	0	0	0	0	0	102	31	31	0	0	0	0
26	0	0	0	0	0	102	31	72	0	0	0	0
27	0	0	0	0	72	102	0	72	0	0	0	0
28	0	0	0	0	72	102	0	66	0	0	0	0
29	0	0	0	0	72	102	31	66	0	0	0	0
30	0	-	0	0	72	0	72	66	0	0	0	0
31	0	-	0	-	72	-	72	66	-	0	-	0
TOTAL	0	0	0	0	558	1,374	1,382	1,530	40	0	0	0
MAXIMUM DAY	0	0	0	0	72	102	102	102	10	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	31	0	0	0	0
MEAN	0	0	0	0	18	46	45	49	1	0	0	0
TOTAL AC. FT.	0	0	0	0	1,107	2,725	2,741	3,035	79	0	0	0

WHOLE YEAR:- TOTAL, 4,884 MAX., 102 MIN., 0 MEAN, 13 TOTAL AC.FT., 9,687

CAWELO WATER DISTRICT OPERATIONS

Quantities in acre-feet

Year: 2020

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+	**Cawelo WD via Pump Station "B"**		**238**	**714**	**0**	**0**	**1,085**	**2,692**	**2,690**	**2,973**	**119**	**1,214**	**206**	**0**	**11,931**
	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	24	369	99	119	30	0	641
	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**	**24**	**369**	**99**	**119**	**30**	**0**	**641**
+	**Cawelo WD via Pump Station "D"**		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	Beardsley Canal Loss	+	4	11	0	0	22	33	51	62	30	40	10	0	263
	Lerdo Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
+	Total Loss	=	4	11	0	0	22	33	51	62	30	40	10	0	263
+	Via North Kern WSD		0	0	0	0	0	0	0	0	0	0	0	0	0
=	**Total Diverted for Cawelo WD**		**242**	**725**	**0**	**0**	**1,107**	**2,725**	**2,765**	**3,404**	**248**	**1,373**	**246**	**0**	**12,835**
	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		242	725	0	0	0	0	0	0	0	0	0	0	967
+	Oildale Mutual WD Well Inflow		0	0	0	0	0	0	24	369	169	0	0	0	562
+	Nickel LLC Water Well Sale		0	0	0	0	0	0	0	0	0	0	0	0	0
+	Sunview Vineyards Well		0	0	0	0	0	0	0	0	0	0	0	0	0
+	SWID @ 8-1		0	0	0	0	0	0	0	0	0	0	0	0	0
+	Paramount Farming Well		0	0	0	0	0	0	0	0	0	0	0	0	0
-	Pump Station "D" Wells		0	0	0	0	0	0	0	0	0	0	0	0	0
+	Buena Vista WSD Exchange		0	0	0	0	1,107	2,725	2,741	3,035	79	0	0	0	9,687
+	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	1,373	246	0	1,619
=	**Total Cawelo Water District Supply**		**242**	**725**	**0**	**0**	**1,107**	**2,725**	**2,765**	**3,404**	**248**	**1,373**	**246**	**0**	**12,835**

City of Bakersfield Diverted to California Water Service Company

DISCHARGE IN CUBIC FEET PER SECOND — Bakersfield Northeast Water Treatment Plant — Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	13	13	13	13	13	22	17	21	20	14	14	13
2	13	13	13	13	0	23	16	21	20	14	14	13
3	13	13	13	13	0	22	17	21	21	14	14	12
4	13	13	14	13	0	22	17	21	22	14	14	13
5	13	13	13	13	13	22	17	21	23	14	14	13
6	13	13	13	11	14	22	17	21	23	14	14	0
7	13	13	13	12	17	22	17	21	19	14	14	0
8	13	12	13	13	20	23	17	21	18	14	6	3
9	13	13	13	13	20	23	17	21	21	14	14	0
10	13	13	13	13	20	23	17	21	21	14	14	0
11	13	13	13	13	21	22	17	21	20	14	14	0
12	13	13	13	12	21	22	17	21	18	14	14	0
13	13	13	13	12	21	22	17	21	17	14	14	1
14	13	13	13	12	21	22	17	20	17	14	14	0
15	13	13	13	13	20	22	16	21	17	14	14	0
16	13	13	13	13	20	21	17	23	17	14	14	0
17	13	13	13	13	20	26	17	20	16	14	14	1
18	13	13	13	13	20	24	17	21	17	14	14	13
19	13	13	13	13	21	27	17	22	14	14	14	13
20	13	13	13	13	21	23	16	22	13	14	14	13
21	13	12	13	13	21	24	17	22	14	14	14	13
22	13	13	13	13	21	24	17	12	14	14	14	13
23	13	13	13	13	21	27	17	12	14	14	14	12
24	13	13	13	13	21	28	21	19	14	14	14	12
25	13	13	13	13	21	27	21	21	14	14	14	12
26	13	13	13	13	21	27	21	22	14	12	14	12
27	12	13	13	13	21	27	21	20	14	0	14	13
28	13	13	13	13	21	27	21	19	14	14	14	13
29	13	13	13	13	26	27	21	18	14	14	14	13
30	13	-	13	13	22	18	21	18	14	14	14	12
31	13	-	13	-	21	-	21	20	-	15	-	13
TOTAL	402	375	404	384	560	711	556	625	514	419	412	246
MAXIMUM DAY	13	13	14	13	26	28	21	23	23	15	14	13
MINIMUM DAY	12	12	13	11	0	18	16	12	13	0	6	0
MEAN	13	13	13	13	18	24	18	20	17	14	14	8
TOTAL AC. FT.	797	744	801	762	1,111	1,410	1,103	1,240	1,020	831	817	488

WHOLE YEAR:- TOTAL, 5,608 MAX., 28 MIN., 0 MEAN, 15 TOTAL AC.FT., 11,124

City of Bakersfield Diverted to California Water Service Company

DISCHARGE IN CUBIC FEET PER SECOND — Kernville Water System — Year: 2020

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

WHOLE YEAR:- TOTAL, 91 MAX., 1 MIN., 0 MEAN, 0 TOTAL AC.FT., 179

City of Bakersfield Diverted to California Water Service Company

DISCHARGE IN CUBIC FEET PER SECOND — Bakersfield Northwest Water Treatment Plant — Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	7	7	7	9	14	14	14	11	7	7	6
2	0	7	7	8	0	2	14	14	11	8	7	7
3	0	6	7	8	0	14	14	14	11	8	6	6
4	0	7	7	8	1	14	14	14	11	8	6	7
5	0	6	7	8	9	15	14	14	11	8	7	6
6	0	7	7	8	10	14	14	14	11	7	7	7
7	0	7	7	8	10	14	14	15	11	8	6	6
8	0	7	7	8	11	14	14	14	11	9	6	7
9	0	6	7	8	11	15	14	14	11	9	7	6
10	0	6	7	8	11	14	14	14	11	9	7	7
11	0	6	7	8	11	14	14	14	11	9	7	6
12	0	6	7	8	12	14	14	14	11	9	6	7
13	0	6	7	8	11	14	14	13	11	9	6	6
14	0	7	7	8	12	15	14	14	11	9	6	7
15	0	7	7	9	11	14	14	14	11	9	7	6
16	0	7	7	9	12	14	14	14	2	7	7	7
17	0	7	7	9	11	14	14	14	0	6	6	6
18	0	7	7	8	12	14	14	14	0	6	6	7
19	0	7	7	8	1	14	14	14	0	6	7	6
20	0	7	7	0	8	14	15	12	0	6	7	7
21	0	6	7	0	12	14	15	11	0	0	7	6
22	0	6	7	0	12	14	15	2	0	1	6	7
23	0	7	7	8	12	14	15	0	8	6	6	6
24	0	6	7	9	12	14	15	1	7	6	6	7
25	0	0	7	9	12	14	15	11	7	6	7	6
26	0	0	7	9	12	14	15	11	7	6	7	7
27	0	7	7	9	13	14	15	1	8	6	6	6
28	6	6	7	9	13	14	15	11	7	6	6	0
29	7	7	7	9	14	14	14	11	7	6	6	0
30	7	-	7	9	14	14	14	11	8	7	7	0
31	7	-	7	-	14	-	14	11	-	7	-	0
TOTAL	27	178	217	225	313	411	443	359	226	214	195	175
MAXIMUM DAY	7	7	7	9	14	15	15	15	11	9	7	7
MINIMUM DAY	0	0	7	0	0	2	14	0	0	0	6	0
MEAN	1	6	7	8	10	14	14	12	8	7	7	6
TOTAL AC. FT.	54	353	430	446	620	815	879	713	449	424	386	348

WHOLE YEAR:- TOTAL, 2,983 MAX., 15 MIN., 0 MEAN, 8 TOTAL AC.FT., 5,917

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	1	1	1	1	2	1	1	0
2	0	0	0	0	2	1	1	2	2	1	0	0
3	0	0	0	0	1	2	2	1	2	1	1	0
4	0	0	0	0	1	2	1	2	2	1	0	0
5	0	0	0	0	3	1	2	1	0	1	1	0
6	0	0	0	0	1	2	1	2	0	1	0	1
7	0	0	0	0	1	1	2	1	3	1	1	0
8	0	0	0	0	2	1	1	2	2	1	1	0
9	0	0	0	0	1	2	2	1	2	1	1	0
10	0	0	0	0	1	2	1	2	2	1	0	0
11	0	0	0	0	1	1	2	1	0	1	1	1
12	0	0	0	0	2	2	1	2	0	1	0	0
13	0	0	0	4	2	1	2	1	0	1	1	0
14	0	0	0	0	2	1	1	2	3	1	0	0
15	0	0	0	0	1	2	2	1	2	1	1	0
16	0	0	0	0	1	2	1	2	2	1	0	1
17	0	0	3	0	1	1	2	1	2	1	1	0
18	0	0	0	0	1	2	1	2	2	1	0	0
19	0	0	0	0	1	1	2	1	0	1	1	0
20	0	0	0	1	1	1	1	2	0	1	0	0
21	0	0	0	1	1	2	2	1	2	1	1	1
22	0	0	0	0	1	1	1	2	2	1	1	0
23	0	0	0	1	1	1	2	1	2	1	1	0
24	0	0	0	0	1	2	1	2	2	1	0	0
25	0	0	0	0	1	1	2	1	2	1	1	0
26	0	0	0	0	1	1	1	2	0	2	0	1
27	0	0	0	1	1	2	2	1	0	1	1	0
28	0	0	0	0	1	1	1	2	2	1	0	0
29	0	0	0	0	1	1	2	1	2	1	1	1
30	0	-	0	0	1	2	1	1	2	1	0	0
31	0	-	0	-	1	-	1	1	-	1	-	0
TOTAL	0	0	3	8	38	43	45	45	44	32	17	6
MAXIMUM DAY	0	0	3	4	3	2	2	2	3	2	1	1
MINIMUM DAY	0	0	0	0	1	1	1	1	0	1	0	0
MEAN	0	0	0	0	1	1	1	1	1	1	1	0
TOTAL AC. FT.	0	0	5	16	75	85	90	90	87	64	33	11

WHOLE YEAR:- TOTAL, 281 MAX., 4 MIN., 0 MEAN, 1 TOTAL AC.FT., 556

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

DISCHARGE IN CUBIC FEET PER SECOND (All Sources, All Entities) **Year: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	20	0	0	0	146	103	0	0	0	0	0	0
2	25	0	0	0	142	74	0	0	0	0	0	0
3	0	0	0	0	153	76	0	0	0	0	0	0
4	0	0	0	0	149	85	0	0	0	0	0	0
5	0	0	0	0	154	96	0	0	0	0	0	0
6	0	0	0	0	151	95	0	0	0	0	0	0
7	0	0	0	0	220	102	0	0	0	0	0	0
8	0	0	0	0	229	91	0	0	0	0	0	0
9	0	0	0	0	150	97	0	0	0	0	0	0
10	0	0	0	0	136	100	0	0	0	0	0	0
11	0	0	0	0	188	89	0	0	0	0	0	0
12	0	0	0	0	132	57	0	0	0	0	0	0
13	0	0	0	0	121	0	0	0	0	0	0	0
14	0	0	0	0	90	0	0	0	0	0	0	0
15	0	0	0	0	152	0	0	0	0	0	0	0
16	0	0	0	0	147	0	0	0	0	0	0	0
17	0	0	0	0	151	0	0	0	0	0	0	0
18	0	0	0	0	158	0	0	0	0	0	0	0
19	0	0	0	44	167	0	0	0	0	0	0	0
20	0	0	0	65	152	0	0	0	0	0	0	0
21	0	0	0	62	148	0	0	0	0	0	0	0
22	0	0	0	60	128	0	0	0	0	0	0	0
23	0	0	0	73	121	0	0	0	0	0	0	0
24	0	0	0	110	112	0	0	0	0	0	0	0
25	0	0	0	118	127	0	0	0	0	0	0	0
26	0	0	0	124	121	0	0	0	0	0	0	0
27	0	0	0	146	79	0	0	0	0	0	0	0
28	0	0	0	155	65	0	0	0	0	0	0	0
29	0	0	0	145	93	0	0	0	0	0	0	0
30	0	-	0	151	101	0	0	0	0	0	0	0
31	0	-	0	-	130	-	0	0	-	0	-	0
TOTAL	45	0	0	1,253	4,313	1,065	0	0	0	0	0	0
MAXIMUM DAY	25	0	0	155	229	103	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	65	0	0	0	0	0	0	0
MEAN	1	0	0	42	139	36	0	0	0	0	0	0
TOTAL AC. FT.	89	0	0	2,485	8,555	2,112	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 6,676 MAX., 229 MIN., 0 MEAN, 18 TOTAL AC.FT., 13,241

DISCHARGE IN CUBIC FEET PER SECOND

Truxtun Lake Recharge
(All Sources, All Entities)

Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	4	10	12	11	10	9	4	0	0	0	0
2	0	5	9	13	11	9	8	5	0	0	0	0
3	0	3	4	14	11	9	9	5	0	0	0	0
4	8	3	4	15	12	10	9	5	0	0	0	0
5	10	3	1	14	14	10	8	5	0	0	0	0
6	10	3	3	13	13	10	7	5	0	0	0	0
7	11	4	3	11	13	8	8	5	0	0	0	0
8	10	7	3	8	13	7	9	5	0	0	0	0
9	10	24	3	12	13	7	8	5	0	0	0	0
10	10	25	8	15	13	8	4	5	0	0	0	0
11	8	25	17	15	13	8	6	5	0	0	0	0
12	8	25	26	18	13	8	6	5	0	0	0	0
13	8	25	15	18	11	3	6	5	0	0	0	0
14	7	25	11	11	14	3	7	5	0	0	0	0
15	5	21	15	11	16	10	7	5	0	15	0	0
16	6	21	16	12	15	9	7	5	0	15	0	0
17	2	19	19	11	15	10	7	5	0	15	0	0
18	3	18	14	11	14	10	7	5	0	10	0	0
19	3	17	14	11	14	10	6	5	0	0	0	0
20	3	20	14	11	14	8	6	5	0	0	0	0
21	3	17	19	10	14	8	6	5	0	6	0	0
22	3	19	16	9	14	8	6	7	0	0	0	0
23	3	14	16	10	14	8	6	13	0	0	0	0
24	3	13	16	11	14	8	6	0	0	0	0	0
25	4	12	14	10	15	10	6	0	0	0	0	0
26	4	14	13	10	13	10	6	0	0	0	0	0
27	4	21	15	10	13	11	6	5	0	0	0	0
28	4	13	14	10	11	9	6	0	0	0	0	0
29	5	10	15	11	8	9	6	0	0	0	0	0
30	5	-	14	11	10	9	6	0	0	0	0	0
31	4	-	13	-	10	-	6	0	-	0	-	0
TOTAL	164	430	374	358	399	257	210	129	0	61	0	0
MAXIMUM DAY	11	25	26	18	16	11	9	13	0	15	0	0
MINIMUM DAY	0	3	1	8	8	3	4	0	0	0	0	0
MEAN	5	15	12	12	13	9	7	4	0	2	0	0
TOTAL AC. FT.	326	853	742	710	792	510	417	256	0	121	0	0

WHOLE YEAR:- TOTAL, 2,382 MAX., 26 MIN., 0 MEAN, 7 TOTAL AC.FT., 4,727

DISCHARGE IN CUBIC FEET PER SECOND

Park at Riverwalk Recharge
(All Sources, All Entities)

Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	4	3	3	2	2	0	0	0	0	0
2	0	0	4	3	3	2	2	0	0	0	0	0
3	0	0	4	3	3	2	2	0	0	0	0	0
4	0	0	3	3	3	2	2	0	0	0	0	0
5	0	0	0	3	3	2	2	0	0	0	0	0
6	0	0	0	3	2	2	2	0	0	0	0	0
7	0	0	0	3	1	2	2	0	0	0	0	0
8	0	0	0	3	2	2	2	0	0	0	0	0
9	0	0	0	3	2	2	2	0	0	0	0	0
10	0	0	0	3	2	2	2	0	0	0	0	0
11	0	0	0	3	3	2	2	0	0	0	0	0
12	0	0	3	3	3	2	2	0	0	0	0	0
13	0	0	3	3	3	2	2	0	0	0	0	0
14	0	0	0	3	3	2	2	0	0	0	0	0
15	0	0	0	3	3	2	2	0	0	0	0	0
16	0	0	0	3	3	2	2	0	0	0	0	0
17	0	0	0	3	3	2	2	0	0	0	0	0
18	0	0	0	3	3	2	2	0	0	0	0	0
19	0	2	0	3	3	2	2	0	0	0	0	0
20	0	2	0	3	3	2	2	0	0	0	0	0
21	0	2	0	3	3	2	2	0	0	0	0	0
22	0	4	0	3	3	2	2	0	0	0	0	0
23	0	4	0	3	3	2	2	0	0	0	0	0
24	0	4	2	3	2	2	2	0	0	0	0	0
25	0	4	2	3	2	2	2	0	0	0	0	0
26	0	4	3	3	3	2	2	0	0	0	0	0
27	0	4	3	3	2	2	2	0	0	0	0	0
28	0	4	3	3	2	2	2	0	0	0	0	0
29	0	4	3	3	2	2	2	0	0	0	0	0
30	0	-	3	3	1	2	2	0	0	0	0	0
31	0	-	3	-	2	-	2	0	-	0	-	0
TOTAL	0	38	43	90	79	60	62	0	0	0	0	0
MAXIMUM DAY	0	4	4	3	3	2	2	0	0	0	0	0
MINIMUM DAY	0	0	0	3	1	2	2	0	0	0	0	0
MEAN	0	1	1	3	3	2	2	0	0	0	0	0
TOTAL AC. FT.	0	75	85	179	157	119	123	0	0	0	0	0

WHOLE YEAR:- TOTAL, 372 MAX., 4 MIN., 0 MEAN, 1 TOTAL AC.FT., 738

DISCHARGE IN CUBIC FEET PER SECOND

Aera Park Recharge
(All Sources, All Entities)

Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5	0	0	5	5	5	0	0	0	0	0	0
2	5	0	0	5	5	5	0	0	0	0	0	0
3	0	0	0	5	5	5	0	0	0	0	0	0
4	0	0	0	5	5	5	0	0	0	0	0	0
5	0	0	0	5	5	5	0	0	0	0	0	0
6	0	0	0	5	5	5	0	0	0	0	0	0
7	0	0	0	1	5	5	0	0	0	0	0	0
8	0	0	0	0	5	5	0	0	0	0	0	0
9	1	0	0	0	5	5	0	0	0	0	0	0
10	5	0	0	0	5	5	0	0	0	0	0	0
11	5	0	0	3	5	5	0	0	0	0	0	0
12	5	0	0	5	5	0	0	0	0	0	0	0
13	5	0	0	5	5	0	0	0	0	0	0	0
14	5	0	0	5	5	0	0	0	0	0	0	0
15	5	0	0	5	5	0	0	0	0	0	0	0
16	5	0	0	5	5	0	0	0	0	0	0	0
17	4	0	0	5	5	0	0	0	0	0	0	0
18	0	0	0	5	5	0	0	0	0	0	0	0
19	0	0	0	5	5	0	0	0	0	0	0	0
20	0	0	0	5	5	0	0	0	0	0	0	0
21	0	0	0	5	5	0	0	0	0	0	0	0
22	0	0	0	5	5	0	0	0	0	0	0	0
23	0	0	0	5	5	0	0	0	0	0	0	0
24	0	0	1	5	5	0	0	0	0	0	0	0
25	0	0	5	5	5	0	0	0	0	0	0	0
26	0	0	5	5	5	0	0	0	0	0	0	0
27	0	0	5	5	5	0	0	0	0	0	0	0
28	0	0	5	5	5	0	0	0	0	0	0	0
29	0	0	2	5	5	0	0	0	0	0	0	0
30	0	-	3	5	5	0	0	0	0	0	0	0
31	0	-	5	-	5	-	0	0	-	0	-	0
TOTAL	50	0	31	129	155	55	0	0	0	0	0	0
MAXIMUM DAY	5	0	5	5	5	5	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	5	0	0	0	0	0	0	0
MEAN	2	0	1	4	5	2	0	0	0	0	0	0
TOTAL AC. FT.	99	0	62	256	307	109	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 420 MAX., 5 MIN., 0 MEAN, 1 TOTAL AC.FT., 833

Total Flow via the Arvin-Edison Turnout

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	19	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	22	0	0	0	0
4	0	0	0	0	0	0	0	39	0	0	0	0
5	0	0	0	0	0	0	0	40	0	0	0	0
6	0	0	0	0	0	0	0	40	0	0	0	0
7	0	0	0	0	0	0	0	40	0	0	0	0
8	0	0	0	0	0	0	0	18	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	19	0	0	0	0
11	0	0	0	0	0	0	0	32	0	0	0	0
12	0	0	0	0	0	0	0	39	0	0	0	0
13	0	0	0	0	0	0	0	41	0	0	0	0
14	0	0	0	0	0	0	0	40	0	0	0	0
15	0	0	0	0	0	0	0	40	0	0	0	0
16	0	0	0	0	0	0	0	39	0	0	0	0
17	0	0	0	0	0	0	0	39	0	0	0	0
18	0	0	0	0	0	0	0	40	0	0	0	0
19	0	0	0	0	0	0	0	38	0	0	0	0
20	0	0	0	0	0	0	21	40	0	0	0	0
21	0	0	0	0	0	0	41	38	0	0	0	0
22	0	0	0	0	0	0	40	43	0	0	0	0
23	0	0	0	0	0	0	41	21	0	0	0	0
24	0	0	0	0	0	0	41	0	0	0	0	0
25	0	0	0	0	0	0	18	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	25	0	0	0	0	0
28	0	0	0	0	0	0	40	0	0	0	0	0
29	0	0	0	0	0	0	39	0	0	0	0	0
30	0	-	0	0	0	0	41	0	0	0	0	0
31	0	-	0	-	0	-	40	0	-	0	-	0
TOTAL	0	0	0	0	0	0	387	727	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	41	43	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	12	23	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	768	1,442	0	0	0	0

WHOLE YEAR:- TOTAL, 1,114 MAX., 43 MIN., 0 MEAN, 3 TOTAL AC.FT., 2,210

Total Flow via the Berrenda Mesa Pipeline at Head

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8	0	0	9	10	10	0	0	0	0	0	0
2	4	0	0	9	9	10	0	0	0	0	0	0
3	0	0	0	10	9	10	0	0	0	0	0	0
4	0	0	0	11	9	10	0	0	0	0	0	0
5	0	0	0	10	9	10	0	0	0	0	0	0
6	0	0	0	10	10	10	0	0	0	0	0	0
7	0	0	0	10	10	10	0	0	0	0	0	0
8	0	0	0	11	10	10	0	0	0	0	0	0
9	0	0	0	10	11	10	0	0	0	0	0	0
10	0	0	0	10	10	10	0	0	0	0	0	0
11	0	0	0	10	9	10	0	0	0	0	0	0
12	0	0	0	9	8	3	0	0	0	0	0	0
13	0	0	0	10	8	0	0	0	0	0	0	0
14	0	0	0	10	8	0	0	0	0	0	0	0
15	0	0	0	9	9	0	0	0	0	0	0	0
16	0	0	0	10	10	0	0	0	0	0	0	0
17	0	0	0	10	10	0	0	0	0	0	0	0
18	0	0	0	9	8	0	0	0	0	0	0	0
19	0	0	0	10	9	0	0	0	0	0	0	0
20	0	0	0	10	10	0	0	0	0	0	0	0
21	0	0	0	11	8	0	0	0	0	0	0	0
22	0	0	0	11	9	0	0	0	0	0	0	0
23	0	0	0	10	10	0	0	0	0	0	0	0
24	0	0	0	10	10	0	0	0	0	0	0	0
25	0	0	8	11	9	0	0	0	0	0	0	0
26	0	0	10	11	10	0	0	0	0	0	0	0
27	0	0	10	10	10	0	0	0	0	0	0	0
28	0	0	10	9	9	0	0	0	0	0	0	0
29	0	0	2	10	10	0	0	0	0	0	0	0
30	0	-	4	10	10	0	0	0	0	0	0	0
31	0	-	12	-	9	-	0	0	-	0	-	0
TOTAL	12	0	56	300	290	113	0	0	0	0	0	0
MAXIMUM DAY	8	0	12	11	11	10	0	0	0	0	0	0
MINIMUM DAY	0	0	0	9	8	0	0	0	0	0	0	0
MEAN	0	0	2	10	9	4	0	0	0	0	0	0
TOTAL AC. FT.	23	0	111	595	576	224	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 771 MAX., 12 MIN., 0 MEAN, 2 TOTAL AC.FT., 1,529

Total Flow via the Pioneer Canal at Head

DISCHARGE IN CUBIC FEET PER SECOND — **Year: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	204	0	0	0	0
2	0	0	0	0	0	0	0	204	0	0	0	0
3	0	0	0	0	0	0	0	204	0	0	0	0
4	0	0	0	0	0	0	0	205	0	0	0	0
5	0	0	0	0	0	0	0	200	0	0	0	0
6	0	0	0	0	0	0	0	197	0	0	0	0
7	0	0	0	0	0	0	0	204	0	0	0	0
8	0	0	0	0	0	0	0	205	0	0	0	0
9	0	0	0	0	0	0	52	207	0	0	0	0
10	0	0	0	0	0	31	128	105	0	0	0	0
11	0	0	0	0	0	50	160	0	0	0	0	0
12	0	0	0	0	0	95	175	0	0	0	0	0
13	0	0	0	0	0	89	197	0	0	0	0	0
14	0	0	0	0	0	88	193	0	0	0	0	0
15	0	0	0	0	0	34	197	0	0	0	0	0
16	0	0	0	0	0	0	195	0	0	0	0	0
17	0	0	0	0	0	0	189	0	0	0	0	0
18	0	0	0	0	0	0	189	0	0	0	0	0
19	0	0	0	0	0	0	199	0	0	0	0	0
20	0	0	0	0	0	0	190	0	0	0	0	0
21	0	0	0	0	0	0	179	0	0	0	0	0
22	0	0	0	0	0	0	182	0	0	0	0	0
23	0	0	0	0	0	0	192	0	0	0	0	0
24	0	0	0	0	0	0	194	0	0	0	0	0
25	0	0	0	0	0	0	195	0	0	0	0	0
26	0	0	0	0	0	0	197	0	0	0	0	0
27	0	0	0	0	0	0	197	0	0	0	0	0
28	0	0	0	0	0	0	199	0	0	0	0	0
29	0	0	0	0	0	0	201	0	0	0	0	0
30	0	-	0	0	0	0	203	0	0	0	0	0
31	0	-	0	-	0	-	203	0	-	0	-	0
TOTAL	0	0	0	0	0	387	4,206	1,935	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	95	203	207	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	13	136	62	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	768	8,342	3,838	0	0	0	0

WHOLE YEAR:- TOTAL, 6,528 MAX., 207 MIN., 0 MEAN, 18 TOTAL AC.FT., 12,948

Total Flow via the Panorama Preserve Headgate

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2020**

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	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	1	0	0	0	1	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	1	0	0	1	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	2	0	1	1	1	0	0	0	0
MAXIMUM DAY	0	0	0	1	0	1	1	1	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	4	0	2	2	2	0	0	0	0

WHOLE YEAR:- TOTAL, 5 MAX., 1 MIN., 0 MEAN, 0 TOTAL AC.FT., 10

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2020

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	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0

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

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2020

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	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0

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

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2020

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	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0

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

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2020

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	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: 2020**

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	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

REVISED
8-12-2021

NORTH KERN WATER STORAGE DISTRICT

Quantities in acre-feet

Year: 2020

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWSD River Entitlement	+	3,906	2,620	0	5,589	14,233	577	4	0	0	0	0	0	26,929
Release	+ or -	4,550	0	0	0	0	0	0	0	0	407	4,257	6,887	16,101
ENTITLEMENT + OR - RELEASE	=	**8,456**	**2,620**	**0**	**5,589**	**14,233**	**577**	**4**	**0**	**0**	**407**	**4,257**	**6,887**	**43,030**
From KRC & Irr. Company	+	0	0	0	172	600	0	0	0	0	0	0	0	772
From City of Bakersfield (Extension Water)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From City of Bakersfield (Borrow/Payback)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From Isabella Reservoir Storage	+	0	938	0	12	135	8,971	11,596	7,116	4,086	631	0	0	33,485
From Kern Delta WD	+	0	0	0	2,500	0	0	0	0	0	0	0	0	2,500
Into Isabella Reservoir Storage	-	5,267	1,888	0	8,037	8,669	0	0	0	0	407	3,638	2,914	30,820
Via Pionner Project	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	+ or -	0	0	0	0	0	0	0	0	0	0	0	4	4
TOTAL DIVERTED FROM RIVER	=	**3,189**	**1,670**	**0**	**236**	**6,299**	**9,548**	**11,600**	**7,116**	**4,086**	**631**	**619**	**3,977**	**48,971**
Loss to Seventh Standard Line	-	608	1,016	0	6	60	60	62	61	60	18	26	42	2,019
NKWSD Deep Well Production	+	0	2,787	7,995	9,086	15,136	14,900	15,834	14,339	13,075	11,010	4,088	928	109,178
Private Well Production	+	0	0	0	87	288	296	309	28	45	26	28	0	1,107
Other Produced Water	+	782	748	827	780	811	728	728	772	700	653	648	661	8,838
KTWD via CVC to NKWSD	+	1,464	3,494	0	0	0	0	0	0	0	0	0	0	4,958
SWID to NKWSD	+	0	0	13	22	40	27	50	24	16	5	3	0	200
SWID via Friant to NKWSD	+	0	3,320	0	0	0	0	798	202	0	0	0	0	4,320
TOTAL DISTRICT SUPPLY	=	**4,827**	**11,003**	**8,835**	**10,205**	**22,514**	**25,439**	**29,257**	**22,420**	**17,862**	**12,307**	**5,360**	**5,524**	**175,553**
Class 1 Irrigation Deliveries	+	24	3,943	2,883	3,233	9,616	11,232	13,512	9,340	7,553	5,619	2,321	795	70,071
Class 2 Irrigation Deliveries	+	42	2,749	2,134	1,968	5,986	6,786	7,900	5,580	4,497	3,213	1,385	526	42,766
NKWSD to KTWD	+	0	0	0	0	1,156	1,159	1,182	1,127	376	0	0	0	5,000
NKWSD to SWID	+	0	8	0	0	129	280	282	200	0	159	0	30	1,088
NKWSD to FK to DEID	+	0	0	1,598	1,581	298	299	304	290	844	1,459	379	0	7,052
NKWSD to FK to SSJMUD	+	0	0	0	270	538	411	421	401	383	482	124	0	3,030
RRID	+	0	0	0	0	0	0	0	0	0	0	0	0	0
BVWSD Sale NKWSD/CWD Exchange	+	242	725	0	0	0	0	952	1,615	920	0	0	0	4,454
TOTAL IRRIGATION USE	=	**308**	**7,425**	**6,615**	**7,052**	**17,723**	**20,167**	**24,553**	**18,553**	**14,573**	**10,932**	**4,209**	**1,351**	**133,461**
District Spreading Ponds (Kern)	+	940	0	0	0	0	0	0	0	0	0	0	1,301	2,241
District Spreading Ponds (Produced Water)	+	770	264	0	0	0	0	0	0	0	0	166	649	1,849
District Spreading Ponds (Friant)	+	0	374	0	0	0	0	0	0	0	0	0	0	374
District Spreading Ponds (CVC)	+	990	1,685	0	0	0	0	0	0	0	0	0	0	2,675
Poso Creek Spreading	+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DISTRICT SPREADING	=	**2,700**	**2,323**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**166**	**1,950**	**4,464**
TOTAL DISTRICT USE		**3,008**	**9,748**	**6,615**	**7,052**	**17,723**	**20,167**	**24,553**	**18,553**	**14,573**	**10,932**	**4,375**	**3,301**	**140,600**
Total NKWSD Canal Loss		1,819	1,255	2,220	3,153	4,791	5,272	4,704	3,867	3,289	1,375	985	2,223	34,953
Into Reservoir Storage		5,267	1,888	0	8,037	8,669	0	0	0	0	407	3,638	2,914	30,820
Reservoir Evaporation Loss		417	534	516	708	1,358	1,557	1,832	1,633	1,120	829	515	480	11,499
From Reservoir Storage		0	938	0	12	135	8,971	11,596	7,116	4,086	631	0	0	33,485
END OF MONTH RESERVOIR STORAGE		**46,315**	**46,731**	**46,215**	**53,532**	**60,708**	**50,180**	**36,752**	**28,003**	**22,797**	**21,744**	**24,867**	**27,301**	

NORTH KERN WATER STORAGE DISTRICT

Quantities in acre-feet

Year: 2020

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWSD River Entitlement	+	3,906	2,620	0	5,589	14,233	577	4	0	0	0	0	0	26,929
Release	+ or -	4,550	0	0	0	0	0	0	0	0	407	4,257	6,887	16,101
ENTITLEMENT + OR - RELEASE	=	**8,456**	**2,620**	**0**	**5,589**	**14,233**	**577**	**4**	**0**	**0**	**407**	**4,257**	**6,887**	**43,030**
From KRC & Irr. Company	+	0	0	0	172	600	0	0	0	0	0	0	0	772
From City of Bakersfield (Extension Water)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From City of Bakersfield (Borrow/Payback)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From Isabella Reservoir Storage	+	0	938	0	12	135	8,971	11,596	7,116	4,086	631	0	0	33,485
From Kern Delta WD	+	0	0	0	2,500	0	0	0	0	0	0	0	0	2,500
Into Isabella Reservoir Storage	-	5,267	1,888	0	8,037	8,669	0	0	0	0	407	3,638	2,914	30,820
Via Pionner Project	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	+ or -	0	0	0	0	0	0	0	0	0	0	0	4	4
TOTAL DIVERTED FROM RIVER	=	**3,189**	**1,670**	**0**	**236**	**6,299**	**9,548**	**11,600**	**7,116**	**4,086**	**631**	**619**	**3,977**	**48,971**
Loss to Seventh Standard Line	-	608	1,016	0	6	60	60	62	61	60	18	26	42	2,019
NKWSD Deep Well Production	+	0	2,787	7,995	9,086	15,136	14,900	15,834	14,339	13,075	11,010	4,088	928	109,178
Private Well Production	+	0	0	0	87	288	296	309	28	45	26	28	0	1,107
Other Produced Water	+	782	748	827	780	811	728	728	772	700	653	648	661	8,838
KTWD via CVC to NKWSD	+	1,464	3,494	0	0	0	0	0	0	0	0	0	0	4,958
SWID via Friant to NKWSD	+	0	✓3,320	13 0	22 0	10 0	21 0	50 798	24 202	16 0	5 0	3 0	0	4,320
TOTAL DISTRICT SUPPLY	=	**4,827**	**11,003**	**8,822**	**10,183**	**22,474**	**25,412**	**29,207**	**22,396**	**17,846**	**12,302**	**5,357**	**5,524**	**175,353**
Class 1 Irrigation Deliveries	+	24	3,943	2,883	3,233	9,616	11,232	13,512	9,340	7,553	5,619	2,321	795	70,071
Class 2 Irrigation Deliveries	+	42	2,749	2,134	1,968	5,986	6,786	7,900	5,580	4,497	3,213	1,385	526	42,766
NKWSD to KTWD	+	0	0	0	0	1,156	1,159	1,182	1,127	376	0	0	0	5,000
NKWSD to SWID	+	0	✓8	✓~~13~~	✓~~22~~	✓129	✓280	✓282	✓200	0	✓159	3	30	1,126
NKWSD to FK to DEID	+	0	0	1,598	1,581	298	299	304	290	844	1,459	379	0	7,052
NKWSD to FK to SSJMUD	+	0	0	0	270	538	411	421	401	383	482	124	0	3,030
RRID	+	0	0	0	0	0	0	0	0	0	0	0	0	0
BVWSD Sale NKWSD/CWD Exchange	+	242	725	0	0	0	0	952	1,615	920	0	0	0	4,454
TOTAL IRRIGATION USE	=	**308**	**7,425**	**6,628**	**7,074**	**17,723**	**20,167**	**24,553**	**18,553**	**14,573**	**10,932**	**4,212**	**1,351**	**133,499**
District Spreading Ponds (Kern)	+	940	0	0	0	0	0	0	0	0	0	0	1,301	2,241
District Spreading Ponds (Produced Water)	+	770	264	0	0	0	0	0	0	0	0	166	649	1,849
District Spreading Ponds (Friant)	+	0	374	0	0	0	0	0	0	0	0	0	0	374
District Spreading Ponds (CVC)	+	990	1,685	0	0	0	0	0	0	0	0	0	0	2,675
Poso Creek Spreading	+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DISTRICT SPREADING	=	**2,700**	**2,323**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**166**	**1,950**	**4,464**
TOTAL DISTRICT USE		**3,008**	**9,748**	**6,628**	**7,074**	**17,723**	**20,167**	**24,553**	**18,553**	**14,573**	**10,932**	**4,378**	**3,301**	**140,638**
Total NKWSD Canal Loss		1,819	1,255	2,194	3,109	4,751	5,245	4,654	3,843	3,273	1,370	979	2,223	34,715
Into Reservoir Storage		5,267	1,888	0	8,037	8,669	0	0	0	0	407	3,638	2,914	30,820
Reservoir Evaporation Loss		417	534	516	708	1,358	1,557	1,832	1,633	1,120	829	515	480	11,499
From Reservoir Storage		0	938	0	12	135	8,971	11,596	7,116	4,086	631	0	0	33,485
END OF MONTH RESERVOIR STORAGE		**46,315**	**46,731**	**46,215**	**53,532**	**60,708**	**50,180**	**36,752**	**28,003**	**22,797**	**21,744**	**24,867**	**27,301**	

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	129	9	9	61	279	234	237	161	59	8	7
2	0	148	12	10	53	326	219	275	156	71	8	8
3	0	139	10	9	55	319	202	276	99	53	7	7
4	0	145	12	9	67	276	186	258	118	50	7	8
5	0	137	13	9	126	216	235	216	165	48	8	7
6	0	93	11	9	124	112	273	161	158	30	8	11
7	0	24	11	9	129	149	261	145	136	30	7	10
8	0	24	11	9	121	200	311	145	111	31	24	10
9	0	22	12	9	80	170	347	143	93	27	19	7
10	0	18	13	29	88	156	337	145	94	10	18	8
11	0	8	13	9	128	206	267	147	91	10	22	109
12	0	16	9	9	142	188	295	144	73	10	11	100
13	0	8	9	10	178	185	295	144	78	10	45	101
14	0	9	8	9	177	217	224	144	73	10	49	100
15	0	10	8	10	163	218	255	144	70	10	48	101
16	0	14	8	12	117	164	269	176	57	8	41	94
17	0	15	8	14	125	167	226	215	37	7	38	85
18	74	12	8	12	181	169	170	263	40	7	35	75
19	105	11	8	12	141	156	204	249	38	7	8	82
20	101	12	9	3	145	116	235	189	40	7	8	90
21	120	12	8	5	127	152	276	141	36	0	39	91
22	118	9	8	3	79	254	296	131	24	2	20	89
23	120	10	9	13	80	309	295	129	50	7	7	105
24	118	12	9	12	79	332	265	131	52	7	7	114
25	122	12	9	14	101	317	169	128	51	7	8	111
26	119	7	9	12	181	289	210	158	50	7	8	109
27	117	13	8	13	265	217	214	149	51	7	7	111
28	109	36	8	12	275	255	218	153	49	7	7	118
29	125	32	8	63	252	276	242	161	49	7	7	131
30	144	-	9	65	185	239	236	189	50	8	8	134
31	148	-	9	-	215	-	238	221	-	8	-	82
TOTAL	1,640	1,137	296	423	4,240	6,629	7,704	5,507	2,350	562	537	2,215
MAXIMUM DAY	148	148	13	65	275	332	347	276	165	71	49	134
MINIMUM DAY	0	7	8	3	53	112	169	128	24	0	7	7
MEAN	53	41	10	14	137	221	249	178	78	18	18	71
TOTAL AC. FT.	3,253	2,255	587	839	8,410	13,148	15,281	10,923	4,661	1,115	1,065	4,394

WHOLE YEAR:- TOTAL, 33,240 MAX., 347 MIN., 0 MEAN, 91 TOTAL AC.FT., 65,931

DISCHARGE IN CUBIC FEET PER SECOND

Total Diverted via
Cross Valley Canal Conduit "A"

Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	24	37	0
2	0	0	0	0	0	0	0	0	0	37	37	0
3	0	0	0	0	0	0	0	0	0	37	13	0
4	0	0	0	0	0	0	0	0	0	37	0	0
5	0	0	0	0	0	0	0	0	0	37	0	0
6	0	0	0	0	0	0	0	0	0	37	0	0
7	0	0	0	0	0	0	0	0	0	37	0	0
8	0	0	0	0	0	0	0	0	0	37	0	0
9	0	0	0	0	0	0	0	0	0	15	21	0
10	0	0	0	0	0	0	0	0	0	0	16	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	24	0	0
22	0	0	0	0	0	0	0	0	0	37	0	0
23	0	0	0	0	0	0	0	0	0	37	0	0
24	0	0	0	0	0	0	0	0	0	37	0	0
25	0	0	0	0	0	0	0	0	0	37	0	0
26	0	0	0	0	0	0	0	0	0	37	0	0
27	0	0	0	0	0	0	0	0	0	37	0	0
28	0	0	0	0	0	0	0	0	0	37	0	0
29	0	0	0	0	0	0	0	0	0	37	0	0
30	0	-	0	0	0	0	0	0	0	37	0	0
31	0	-	0	-	0	-	0	0	-	37	-	0
TOTAL	0	0	0	0	0	0	0	0	0	692	124	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	37	37	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	22	4	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	1,373	246	0

WHOLE YEAR:- TOTAL, 816 MAX., 37 MIN., 0 MEAN, 2 TOTAL AC.FT., 1,619

DISCHARGE IN CUBIC FEET PER SECOND

Total Diverted via
Oildale Mutal Water Company Wells

Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	6	6	0	0	0
2	0	0	0	0	0	0	0	6	6	0	0	0
3	0	0	0	0	0	0	0	6	6	0	0	0
4	0	0	0	0	0	0	0	6	6	0	0	0
5	0	0	0	0	0	0	0	6	6	0	0	0
6	0	0	0	0	0	0	0	6	6	0	0	0
7	0	0	0	0	0	0	0	6	6	0	0	0
8	0	0	0	0	0	0	0	6	6	0	0	0
9	0	0	0	0	0	0	0	6	6	0	0	0
10	0	0	0	0	0	0	0	6	6	0	0	0
11	0	0	0	0	0	0	0	6	5	0	0	0
12	0	0	0	0	0	0	0	6	5	0	0	0
13	0	0	0	0	0	0	0	6	5	0	0	0
14	0	0	0	0	0	0	0	6	5	0	0	0
15	0	0	0	0	0	0	0	6	5	0	0	0
16	0	0	0	0	0	0	0	6	0	0	0	0
17	0	0	0	0	0	0	0	6	0	0	0	0
18	0	0	0	0	0	0	0	6	0	0	0	0
19	0	0	0	0	0	0	0	6	0	0	0	0
20	0	0	0	0	0	0	0	6	0	0	0	0
21	0	0	0	0	0	0	0	6	0	0	0	0
22	0	0	0	0	0	0	0	6	0	0	0	0
23	0	0	0	0	0	0	0	6	0	0	0	0
24	0	0	0	0	0	0	0	6	0	0	0	0
25	0	0	0	0	0	0	0	6	0	0	0	0
26	0	0	0	0	0	0	0	6	0	0	0	0
27	0	0	0	0	0	0	0	6	0	0	0	0
28	0	0	0	0	0	0	0	6	0	0	0	0
29	0	0	0	0	0	0	0	6	0	0	0	0
30	0	-	0	0	0	0	6	6	0	0	0	0
31	0	-	0	-	0	-	6	6	-	0	-	0
TOTAL	0	0	0	0	0	0	12	186	85	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	6	6	6	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	6	0	0	0	0
MEAN	0	0	0	0	0	0	0	6	3	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	24	369	169	0	0	0

WHOLE YEAR:- TOTAL, 283 MAX., 6 MIN., 0 MEAN, 1 TOTAL AC.FT., 562

NORTH KERN WATER STORAGE DISTRICT

BEARDSLEY CANAL OPERATIONS

Quantities in acre-feet

Year: 2020

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River	+	3,253	2,255	587	839	8,410	13,148	15,281	10,923	4,661	1,115	1,065	4,394	65,931
Well Water Exchange Supply	+	0	0	0	0	0	0	24	369	169	0	0	0	562
C.V.C. Conduit "A"	+	0	0	0	0	0	0	0	0	0	1,373	246	0	1,619
+ TOTAL BEARDSLEY CANAL SUPPLY	=	**3,253**	**2,255**	**587**	**839**	**8,410**	**13,148**	**15,305**	**11,292**	**4,830**	**2,488**	**1,311**	**4,394**	**68,112**
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	61	114	0	0	0	0	0	0	0	175
KRC & Irr. Co. # 4 Lateral	+	54	353	430	446	620	815	879	713	449	424	386	348	5,917
KRC & Irr. Co. # 5 Lateral	+	0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. Bidart Boosters	+	2	54	34	36	133	0	0	0	0	0	0	0	259
Lined Section Loss	+	8	58	61	60	62	60	61	59	47	60	60	53	649
- TOTAL KRC & IRR. CO. DIVERTED	=	**64**	**465**	**525**	**603**	**929**	**875**	**940**	**772**	**496**	**484**	**446**	**401**	**7,000**
Kern River Supply	-	64	465	525	603	929	875	940	772	496	484	446	401	7,000
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"	+	238	714	0	0	1,085	2,692	2,690	2,973	119	1,214	206	0	11,931
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	24	369	99	119	30	0	641
Lined Section Loss	+	4	11	0	0	22	33	51	62	30	40	10	0	263
Lerdo Canal Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
- TOTAL CAWELO WD DIVERTED	=	**242**	**725**	**0**	**0**	**1,107**	**2,725**	**2,765**	**3,404**	**248**	**1,373**	**246**	**0**	**12,835**
Kern River Supply	-	242	725	0	0	1,107	2,725	2,741	3,035	79	0	0	0	10,654
Well Water Exchange Supply	-	0	0	0	0	0	0	24	369	169	0	0	0	562
C.V.C. Conduit "A" Supply	=	0	0	0	0	0	0	0	0	0	1,373	246	0	1,619
- 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	57	30	0	0	0	0	0	0	0	0	16	103
- KRC & Irr. Co. Diverted via NKWSD		0	63	32	0	75	0	0	0	0	0	0	0	170
- Buena Vista WSD Diverted (SWID)		0	0	0	0	0	0	0	0	0	0	0	0	0
- Lined Section Loss: NKWSD	+	28	24	0	6	60	60	62	61	60	18	26	42	447
= NKWSD FROM LERDO CANAL	+	**2,919**	**921**	**0**	**230**	**6,239**	**9,488**	**11,538**	**7,055**	**4,026**	**613**	**593**	**3,935**	**47,557**
Kern River Supply	-	2,947	945	0	236	6,299	9,548	11,600	7,116	4,086	631	619	3,977	48,004
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: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	119	1	0	44	262	218	226	153	73	36	0
2	0	138	2	0	46	321	202	264	148	97	36	0
3	0	129	1	0	46	302	185	265	91	79	12	0
4	0	134	3	0	59	259	169	247	110	76	0	0
5	0	127	5	0	107	198	218	205	157	74	0	0
6	0	82	2	0	107	96	256	150	150	57	0	3
7	0	14	3	0	109	133	244	133	128	56	0	3
8	0	14	3	0	105	184	294	134	103	56	16	2
9	0	13	3	0	59	153	330	132	85	30	30	0
10	0	9	5	18	70	140	320	134	86	0	24	0
11	0	0	3	0	108	189	250	136	82	0	13	101
12	0	8	0	0	124	171	278	133	64	0	3	91
13	0	0	0	0	158	168	278	134	69	0	37	93
14	0	0	0	0	157	199	208	133	64	0	41	91
15	0	2	0	0	144	201	239	133	61	0	39	93
16	0	5	0	0	98	148	252	165	53	0	32	85
17	0	6	0	0	108	151	209	204	36	0	30	77
18	73	3	0	0	163	153	153	252	39	0	27	66
19	104	2	0	0	130	140	187	238	37	0	0	74
20	100	3	0	0	132	100	217	180	39	0	0	81
21	119	3	0	0	111	136	258	133	35	23	30	83
22	117	2	0	0	62	238	278	132	23	36	12	80
23	119	2	0	0	63	292	277	133	40	36	0	97
24	117	3	0	0	62	315	247	133	43	36	0	105
25	121	11	0	0	85	300	151	120	42	36	0	103
26	118	3	0	0	164	272	192	150	41	36	0	100
27	116	4	0	0	249	200	197	151	41	36	0	103
28	101	26	0	0	259	238	201	145	40	36	0	117
29	116	23	0	50	235	259	225	153	40	36	0	130
30	134	-	0	48	168	223	225	181	40	36	0	133
31	137	-	0	-	198	-	227	213	-	36	-	81
TOTAL	1,592	885	31	116	3,730	6,141	7,185	5,242	2,140	981	418	1,992
MAXIMUM DAY	137	138	5	50	259	321	330	265	157	97	41	133
MINIMUM DAY	0	0	0	0	44	96	151	120	23	0	0	0
MEAN	51	32	1	4	120	205	232	169	71	32	14	64
TOTAL AC. FT.	3,157	1,755	62	230	7,399	12,180	14,252	10,397	4,244	1,946	829	3,951

WHOLE YEAR:- TOTAL, 30,453 MAX., 330 MIN., 0 MEAN, 83 TOTAL AC.FT., 60,402

NORTH KERN WATER STORAGE DISTRICT
LERDO CANAL OPERATIONS

Quantities in acre-feet

Year: 2020

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Total Beardsley Canal Supply	+	**3,253**	**2,255**	**587**	**839**	**8,410**	**13,148**	**15,305**	**11,292**	**4,830**	**2,488**	**1,311**	**4,394**	**68,112**
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		54	353	430	507	734	815	879	713	449	424	386	348	6,092
+ KRC & Irr. Co. Boosters		2	54	34	36	133	0	0	0	0	0	0	0	259
+ Lined Section Loss: KRC & Irr. Co.		8	58	61	60	62	60	61	59	47	60	60	53	649
= KRC & Irr. Co. from Beardsley	-	**64**	**465**	**525**	**603**	**929**	**875**	**940**	**772**	**496**	**484**	**446**	**401**	**7,000**
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	-	4	11	0	0	22	33	51	62	30	40	10	0	263
Lined Section Loss: NKWSD	-	28	24	0	6	60	60	62	61	60	18	26	42	447
Lerdo Canal Total Flow	=	**3,157**	**1,755**	**62**	**230**	**7,399**	**12,180**	**14,252**	**10,397**	**4,244**	**1,946**	**829**	**3,951**	**60,402**
+ KRC & Irr. Co. Diverted via C-0-8		0	63	32	0	75	0	0	0	0	0	0	0	170
+ KRC & Irr. Co. City Excess		0	57	30	0	0	0	0	0	0	0	0	16	103
+ BVWSD/SWID Via NKWSD		0	0	0	0	0	0	0	0	0	0	0	0	0
= Others Total from Lerdo	-	**0**	**120**	**62**	**0**	**75**	**0**	**0**	**0**	**0**	**0**	**0**	**16**	**273**
+ Cawelo WD via NKWSD		0	0	0	0	0	0	0	0	0	0	0	0	0
+ Cawelo WD Delivered at Sta. "B"		238	714	0	0	1,085	2,692	2,690	2,973	119	1,214	206	0	11,931
+ Cawelo WD Lerdo Turnouts		0	0	0	0	0	0	24	369	99	119	30	0	641
+ 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	-	**238**	**714**	**0**	**0**	**1,085**	**2,692**	**2,714**	**3,342**	**218**	**1,333**	**236**	**0**	**12,572**
North Kern WSD from Lerdo	=	**2,919**	**921**	**0**	**230**	**6,239**	**9,488**	**11,538**	**7,055**	**4,026**	**613**	**593**	**3,935**	**47,557**

Total Flow via the Calloway Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	40	47	61	49	56	63	84	93	0	0	0	39
2	45	44	61	45	42	76	91	86	0	0	0	41
3	38	32	61	44	0	77	104	103	0	0	0	42
4	46	45	64	44	0	75	99	88	0	0	0	35
5	44	41	63	41	0	79	106	87	0	0	0	44
6	44	43	64	39	0	91	106	86	0	0	0	40
7	41	47	59	37	56	80	96	85	0	0	0	53
8	41	46	61	35	67	71	97	92	0	0	0	56
9	39	42	64	30	62	73	101	87	0	0	0	64
10	49	44	44	26	69	78	96	90	0	0	0	52
11	40	43	38	36	61	77	100	91	0	0	0	52
12	45	46	34	33	75	74	101	95	0	0	0	56
13	42	49	62	39	53	77	97	98	0	0	0	59
14	45	51	57	37	64	78	96	97	0	0	0	57
15	47	57	51	47	59	76	93	94	0	0	0	49
16	43	55	54	43	60	77	93	82	0	0	0	48
17	43	59	47	47	63	75	94	113	0	0	0	51
18	41	19	50	45	51	83	96	99	0	0	0	51
19	45	0	47	49	82	77	93	95	0	0	27	45
20	39	0	46	45	65	78	95	92	0	0	40	41
21	39	0	41	46	61	78	94	87	0	0	45	38
22	48	0	47	49	77	81	97	101	0	0	45	39
23	45	0	51	45	64	77	102	99	0	0	47	38
24	50	39	46	69	75	82	100	99	0	0	44	35
25	50	62	49	62	85	82	93	78	0	0	38	35
26	43	62	37	46	87	81	96	70	0	0	37	39
27	46	59	51	66	74	94	93	4	0	0	42	36
28	38	55	46	52	74	84	90	0	0	0	40	32
29	38	69	52	67	49	87	91	0	0	0	39	37
30	49	-	42	54	84	88	94	0	0	0	40	32
31	57	-	44	-	86	-	90	0	-	0	-	39
TOTAL	1,360	1,156	1,594	1,367	1,801	2,369	2,978	2,391	0	0	484	1,375
MAXIMUM DAY	57	69	64	69	87	94	106	113	0	0	47	64
MINIMUM DAY	38	0	34	26	0	63	84	0	0	0	0	32
MEAN	44	41	51	46	58	79	96	77	0	0	16	44
TOTAL AC. FT.	2,698	2,293	3,162	2,711	3,572	4,699	5,907	4,742	0	0	960	2,728

WHOLE YEAR:- TOTAL, 16,875 MAX., 113 MIN., 0 MEAN, 46 TOTAL AC.FT., 33,472

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2020

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	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

CALLOWAY CANAL OPERATIONS

Quantities in acre-feet

Year: 2020

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FLOW AT HEADWORKS	+	**2,698**	**2,293**	**3,162**	**2,711**	**3,572**	**4,699**	**5,907**	**4,742**	**0**	**0**	**960**	**2,728**	**33,472**
KCWA Armco Turnout	-	2,438	2,055	2,860	2,362	3,112	4,334	5,542	4,423	0	0	833	2,343	30,302
Seepage Loss	-	123	95	123	119	107	119	123	107	0	0	48	123	1,087
FLOW AT MEASURING STATION	=	**137**	**143**	**179**	**230**	**353**	**246**	**242**	**212**	**0**	**0**	**79**	**262**	**2,083**
CVC Turnout to Calloway	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Seepage Loss	-	137	143	179	230	353	246	242	212	0	0	79	262	2,083
FLOW AT BUCK OWENS WEIR	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Friant-Kern Inflow n 7th	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Flow from C.V.C.	+	1,464	3,494	0	0	0	0	0	0	0	0	0	0	4,958
Seepage Loss	-	409	669	0	0	0	0	0	0	0	0	0	0	1,078
FLOW AT OLIVE DRIVE WEIR	=	**1,055**	**2,825**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3,880**
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	-	171	313	0	0	0	0	0	0	0	0	0	0	484
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	=	**884**	**2,512**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3,396**
for Rosedale Ranch ID	-	0	0	0	0	0	0	0	0	0	0	0	0	0
for North Kern WSD	=	884	2,512	0	0	0	0	0	0	0	0	0	0	3,396
KERN COUNTY WATER AGENCY / ID4:														
Operating Loss	+	123	95	123	119	107	149	153	133	0	0	60	155	1,217
Turnout #4 to River	+	0	0	0	0	0	0	0	0	0	0	0	0	0
ID4 Treatment Plant	+	2,438	2,055	2,860	2,362	3,112	4,304	5,512	4,397	0	0	821	2,311	30,172
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	+	137	143	179	230	353	246	242	212	0	0	79	262	2,083
TOTAL DIVERTED	=	**2,698**	**2,293**	**3,162**	**2,711**	**3,572**	**4,699**	**5,907**	**4,742**	**0**	**0**	**960**	**2,728**	**33,472**
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	+	884	2,512	0	0	0	0	0	0	0	0	0	0	3,396
Total Loss	+	580	982	0	0	0	0	0	0	0	0	0	0	1,562
TOTAL DIVERTED	=	**1,464**	**3,494**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4,958**

Total Diverted to Rosedale Ranch Improvement District

DISCHARGE IN CUBIC FEET PER SECOND — **Year: 2020**

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	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: 2020

		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
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 Diverted to Improvement District No. 4

DISCHARGE IN CUBIC FEET PER SECOND (Does not include deliveries into Isabella Reservoir storage) Year: 2020

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	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

Improvement District No. 4 Diverted to North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND **(Does not include deliveries into Isabella Reservoir storage)** **Year: 2020**

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	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

IMPROVEMENT DISTRICT NO. 4

WATER EXCHANGE RECAPITULATION

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

Quantities in acre-feet **Year: 2020**

	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 1-1-2021 (*Subject to Revision*)

Quantities in acre-feet

Pursuant to North Kern WSD/Improvement District #4 Accounting Agreement Dated March 1, 1995

CATEGORY "A"				CATEGORY "B"				
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)
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.

DISCHARGE IN CUBIC FEET PER SECOND

North Kern Water Storage District
Class 1 Irrigation Deliveries

Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	1	3	42	107	229	299	173	193	222	15	9
2	0	0	59	152	67	250	274	54	162	151	54	11
3	0	8	84	150	28	186	146	253	210	83	66	22
4	0	8	128	39	196	194	81	260	191	42	127	23
5	0	15	169	1	213	201	42	175	101	120	176	8
6	0	33	124	0	238	139	287	147	65	167	90	0
7	0	33	19	6	199	24	300	163	168	183	23	9
8	0	0	3	0	173	195	202	135	167	194	3	11
9	0	0	101	0	86	261	294	26	100	196	26	18
10	0	48	95	0	20	173	298	182	112	43	42	22
11	0	33	105	0	212	197	164	168	127	12	105	16
12	0	30	165	0	214	190	45	187	78	42	166	7
13	0	67	124	0	186	146	232	150	16	66	82	0
14	0	32	39	7	157	36	276	173	133	123	14	10
15	0	37	0	13	111	211	314	144	146	130	0	19
16	0	0	21	26	92	224	239	47	143	86	26	16
17	0	35	15	23	27	208	277	172	176	20	36	9
18	0	107	18	34	216	260	142	233	107	6	16	20
19	0	108	17	26	212	220	85	220	67	71	13	13
20	0	168	33	0	165	129	243	161	15	62	12	0
21	0	149	24	169	215	42	240	201	142	68	2	38
22	0	88	1	147	174	271	261	151	153	83	0	64
23	0	0	1	78	122	293	267	37	161	69	7	10
24	1	161	3	63	41	232	260	118	123	39	6	2
25	0	206	1	82	67	230	187	191	164	7	11	0
26	0	183	2	55	285	227	33	144	108	103	2	2
27	1	198	24	17	307	145	211	140	16	97	19	0
28	1	182	23	177	320	62	315	133	151	123	12	12
29	2	58	2	158	225	174	256	142	224	116	7	9
30	2	-	19	165	134	314	282	80	89	80	12	21
31	5	-	31	-	39	-	260	149	-	29	-	0
TOTAL	12	1,988	1,453	1,630	4,848	5,663	6,812	4,709	3,808	2,833	1,170	401
MAXIMUM DAY	5	206	169	177	320	314	315	260	224	222	176	64
MINIMUM DAY	0	0	0	0	20	24	33	26	15	6	0	0
MEAN	0	71	47	54	156	189	220	152	127	91	39	13
TOTAL AC. FT.	24	3,943	2,883	3,233	9,616	11,232	13,512	9,340	7,553	5,619	2,321	795

WHOLE YEAR:- TOTAL, 35,327 MAX., 320 MIN., 0 MEAN, 97 TOTAL AC.FT., 70,071

DISCHARGE IN CUBIC FEET PER SECOND

North Kern Water Storage District
Class 2 Irrigation Deliveries

Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	4	0	24	83	145	141	90	64	108	5	3
2	0	0	33	83	50	126	153	35	86	94	36	1
3	0	27	96	65	18	185	98	134	88	34	60	0
4	0	9	111	36	113	96	91	130	112	9	58	3
5	0	27	90	0	138	84	18	138	115	100	109	2
6	0	16	67	0	168	67	151	133	32	51	79	0
7	0	24	17	2	154	19	159	161	97	87	14	11
8	0	0	3	4	112	132	140	82	109	91	5	18
9	0	3	84	0	44	134	127	50	110	99	13	18
10	0	53	94	0	14	137	135	90	103	29	11	20
11	0	51	72	0	95	86	138	101	66	7	21	39
12	0	76	66	0	119	143	42	93	62	43	83	21
13	0	85	77	0	121	93	140	84	44	36	55	0
14	0	44	24	0	103	39	133	113	94	69	12	9
15	0	67	0	6	95	120	147	44	75	78	0	5
16	0	3	11	27	43	87	165	29	84	77	17	9
17	0	24	7	32	3	160	163	113	79	39	15	23
18	0	53	11	27	73	155	135	104	68	3	23	22
19	0	61	12	27	131	152	64	113	56	12	21	8
20	0	89	39	15	142	101	129	81	36	29	10	0
21	2	102	23	40	134	30	160	57	81	40	0	18
22	3	43	3	56	142	150	213	72	68	39	0	23
23	3	4	3	62	88	156	190	45	84	41	5	9
24	1	90	3	68	37	165	119	92	83	21	3	3
25	1	104	17	99	48	133	77	101	92	10	4	0
26	0	118	14	26	159	129	43	89	17	69	3	0
27	3	84	30	16	181	95	143	60	14	68	16	0
28	1	90	24	64	170	45	151	77	65	73	15	0
29	3	35	6	82	143	106	122	117	70	83	0	0
30	3	-	9	131	83	151	134	85	113	68	5	0
31	1	-	30	-	14	-	162	100	-	13	-	0
TOTAL	21	1,386	1,076	992	3,018	3,421	3,983	2,813	2,267	1,620	698	265
MAXIMUM DAY	3	118	111	131	181	185	213	161	115	108	109	39
MINIMUM DAY	0	0	0	0	3	19	18	29	14	3	0	0
MEAN	1	50	35	33	97	114	128	91	76	52	23	9
TOTAL AC. FT.	42	2,749	2,134	1,968	5,986	6,786	7,900	5,580	4,497	3,213	1,385	526

WHOLE YEAR:- TOTAL, 21,560 MAX., 213 MIN., 0 MEAN, 59 TOTAL AC.FT., 42,766

North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND — Friant-Kern Canal Pump-In Total Deliveries to NKWSD — Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	85	0	0	0	0	0	0	0	0	0	0
2	0	86	0	0	0	0	0	0	0	0	0	0
3	0	88	0	0	0	0	0	0	0	0	0	0
4	0	87	0	0	0	0	0	0	0	0	0	0
5	0	86	0	0	0	0	0	0	0	0	0	0
6	0	86	0	0	0	0	0	0	0	0	0	0
7	0	85	0	0	0	0	0	0	0	0	0	0
8	0	85	0	0	0	0	0	0	0	0	0	0
9	0	87	0	0	0	0	0	0	0	0	0	0
10	0	88	0	0	0	0	0	0	0	0	0	0
11	0	88	0	0	0	0	0	0	0	0	0	0
12	0	87	0	0	0	0	0	0	0	0	0	0
13	0	86	0	0	0	0	0	0	0	0	0	0
14	0	85	0	0	0	0	0	0	0	0	0	0
15	0	85	0	0	0	0	0	0	0	0	0	0
16	0	85	0	0	0	0	0	0	0	0	0	0
17	0	85	0	0	0	0	0	0	0	0	0	0
18	0	85	0	0	0	0	0	0	0	0	0	0
19	0	86	0	0	0	0	0	0	0	0	0	0
20	0	86	0	0	0	0	0	0	0	0	0	0
21	0	40	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	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	1,761	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	88	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	63	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	3,493	0	0	0	0	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 1,761 MAX., 88 MIN., 0 MEAN, 5 TOTAL AC.FT., 3,493

Friant - Kern Inflow to Poso Creek Channel

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2020**

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	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

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

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2020**

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	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	0

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

NORTH KERN WATER STORAGE DISTRICT
STATUS OF EXCHANGE

As Reported by North Kern Water Storage District

(subject to revision)

Quantities in acre-feet

Year: 2020

	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		B. NEUFELD FARMS		KERN DELTA WD		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
Prior Year Status	0	0	26,308	0	0	39,038	0	15,477	0	12	0	30,841	0	27,022	30,067	0	0	24,180	0	56,409	0	8,895	0	5,375	0	33,387	0	863	0	2,475	0	369	0	4,998	56,375	249,341
January	0	0	0	0	0	0	0	0	0	0	0	1,464	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,464
February	0	0	0	0	0	0	0	0	0	0	0	3,494	0	0	0	0	0	0	8	3,320	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	6,814
March	0	0	0	0	1,598	0	0	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	0	0	1,598	13
April	0	0	0	0	1,581	0	0	0	0	0	0	0	270	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,851	22
May	0	0	0	0	298	0	0	0	0	0	1,156	0	538	0	0	0	0	0	129	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,121	40
June	0	0	0	0	299	0	0	0	0	0	1,159	0	411	0	0	0	0	0	280	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,149	27
July	0	0	0	0	304	0	0	0	0	0	1,182	0	421	0	0	0	0	0	282	848	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,189	848
August	0	0	0	0	290	0	0	0	0	0	1,127	0	401	0	0	0	0	0	201	226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,119	226
September	0	0	0	0	844	0	0	0	0	0	376	0	383	0	0	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,603	16
October	0	0	0	0	1,459	0	0	0	0	0	0	0	482	0	0	0	0	0	159	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,100	5
November	0	0	0	0	379	0	0	0	0	0	0	0	124	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	503	3
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0
Total	0	0	0	0	7,052	0	0	0	0	0	5,000	4,958	3,030	0	0	0	0	0	1,089	4,520	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16,271	9,478
	Loss 0				0							2,479	0									0			0						Loss 0			
Current Status	0	0	26,308	0	0	31,986	0	15,477	0	12	0	28,320	0	23,992	30,067	0	0	24,180	0	59,840	0	8,895	0	5,375	0	33,387	0	863	0	2,475	0	369	0	4,998	56,375	247,888

North Kern WSD Diverted to Cawelo Water District

DISCHARGE IN CUBIC FEET PER SECOND **(Does not include Isabella Reservoir evaporation loss)** **Year: 2020**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	61	0	0	0	0	30	0	30	0	0	0
2	0	61	0	0	0	0	30	0	30	0	0	0
3	0	61	0	0	0	0	30	0	30	0	0	0
4	0	61	0	0	0	0	30	0	30	0	0	0
5	0	61	0	0	0	0	30	0	30	0	0	0
6	0	61	0	0	0	0	30	0	30	0	0	0
7	0	0	0	0	0	0	30	0	30	0	0	0
8	0	0	0	0	0	0	30	0	30	0	0	0
9	0	0	0	0	0	0	30	0	30	0	0	0
10	0	0	0	0	0	0	30	0	30	0	0	0
11	0	0	0	0	0	0	30	0	30	0	0	0
12	0	0	0	0	0	0	30	0	30	0	0	0
13	0	0	0	0	0	0	30	0	30	0	0	0
14	0	0	0	0	0	0	30	0	30	0	0	0
15	0	0	0	0	0	0	30	0	30	0	0	0
16	0	0	0	0	0	0	17	30	14	0	0	0
17	0	0	0	0	0	0	0	30	0	0	0	0
18	0	0	0	0	0	0	0	30	0	0	0	0
19	0	0	0	0	0	0	0	30	0	0	0	0
20	0	0	0	0	0	0	17	30	0	0	0	0
21	0	0	0	0	0	0	30	30	0	0	0	0
22	0	0	0	0	0	0	30	30	0	0	0	0
23	0	0	0	0	0	0	30	30	0	0	0	0
24	0	0	0	0	0	0	30	30	0	0	0	0
25	0	0	0	0	0	0	30	30	0	0	0	0
26	0	0	0	0	0	0	30	30	0	0	0	0
27	0	0	0	0	0	0	30	30	0	0	0	0
28	0	0	0	0	0	0	30	30	0	0	0	0
29	0	0	0	0	0	0	30	30	0	0	0	0
30	61	-	0	0	0	0	30	30	0	0	0	0
31	61	-	0	-	0	-	30	30	-	0	-	0
TOTAL	122	366	0	0	0	0	814	480	464	0	0	0
MAXIMUM DAY	61	61	0	0	0	0	30	30	30	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	4	13	0	0	0	0	26	15	15	0	0	0
TOTAL AC. FT.	242	725	0	0	0	0	1,615	952	920	0	0	0

WHOLE YEAR:- TOTAL, 2,246 MAX., 61 MIN., 0 MEAN, 6 TOTAL AC.FT., 4,454

North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND — Exchange Deliveries via/for Shafter-Wasco ID — Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	1	0	5	5	5	0	0	0	0
2	0	0	0	1	0	5	4	4	0	0	0	0
3	0	0	1	1	0	5	5	5	0	0	0	0
4	0	0	0	1	4	5	4	4	0	0	1	0
5	0	0	0	1	5	5	5	5	0	0	0	0
6	0	0	0	1	5	5	4	5	0	5	0	0
7	0	0	0	1	5	5	5	5	0	4	0	0
8	0	0	0	0	5	5	4	4	0	5	0	0
9	0	0	0	0	5	5	5	5	0	5	0	0
10	0	0	0	0	5	5	5	4	0	4	0	0
11	0	0	1	0	5	5	5	5	0	5	0	0
12	0	0	1	0	0	5	4	4	0	5	0	0
13	0	0	0	0	0	4	5	5	0	4	0	0
14	0	0	0	0	0	5	4	4	0	5	0	0
15	0	0	0	0	0	4	5	5	0	5	0	0
16	0	0	0	0	0	5	4	4	0	4	0	0
17	0	0	1	0	0	4	5	5	0	5	0	0
18	0	0	2	0	0	5	4	5	0	5	0	0
19	0	0	0	0	0	4	5	5	0	4	0	0
20	0	0	1	0	0	5	4	4	0	5	0	0
21	0	0	0	0	0	4	5	5	0	5	0	5
22	0	0	0	0	0	5	4	4	0	5	0	5
23	0	0	0	0	0	4	5	0	0	0	0	5
24	0	0	0	0	0	5	4	0	0	0	0	0
25	0	0	0	0	0	4	5	0	0	0	0	0
26	0	0	0	0	3	5	4	0	0	0	0	0
27	0	2	0	1	5	4	5	0	0	0	0	0
28	0	2	0	1	4	5	4	0	0	0	0	0
29	0	0	0	1	5	4	5	0	0	0	0	0
30	0	-	0	1	4	5	5	0	0	0	0	0
31	0	-	0	-	5	-	5	0	-	0	-	0
TOTAL	0	4	7	11	65	141	142	101	0	80	1	15
MAXIMUM DAY	0	2	2	1	5	5	5	5	0	5	1	5
MINIMUM DAY	0	0	0	0	0	4	4	0	0	0	0	0
MEAN	0	0	0	0	2	5	5	3	0	3	0	0
TOTAL AC. FT.	0	8	13	22	129	280	282	200	0	159	3	30

WHOLE YEAR:- TOTAL, 567 MAX., 5 MIN., 0 MEAN, 2 TOTAL AC.FT., 1,126

North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND — Exchange Deliveries via/for DEID — Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	31	5	5	5	4	5	24	25	0
2	0	0	20	26	5	5	5	5	5	22	25	0
3	0	0	19	33	5	5	5	4	4	23	18	0
4	0	0	21	33	5	5	5	4	4	25	23	0
5	0	0	19	34	5	5	5	5	4	25	31	0
6	0	0	18	36	5	5	5	5	3	22	16	0
7	0	0	29	32	5	5	5	3	5	22	24	0
8	0	0	12	32	5	5	5	5	4	23	24	0
9	0	0	32	23	5	5	5	6	4	29	5	0
10	0	0	30	32	5	5	5	5	4	17	0	0
11	0	0	37	36	5	6	5	4	4	26	0	0
12	0	0	27	34	4	4	5	5	11	25	0	0
13	0	0	32	35	5	4	5	5	20	24	0	0
14	0	0	29	36	4	6	5	3	20	24	0	0
15	0	0	5	36	5	5	5	4	17	22	0	0
16	0	0	36	22	5	5	4	5	22	23	0	0
17	0	0	35	24	5	5	4	4	15	29	0	0
18	0	0	35	22	4	5	5	4	20	23	0	0
19	0	0	32	22	5	5	6	5	19	21	0	0
20	0	0	35	27	5	5	5	5	20	26	0	0
21	0	0	37	30	5	5	4	5	17	22	0	0
22	0	0	30	18	4	5	5	5	24	25	0	0
23	0	0	34	18	5	4	6	6	24	28	0	0
24	0	0	34	18	5	6	5	5	23	22	0	0
25	0	0	32	16	5	5	6	6	22	20	0	0
26	0	0	20	21	5	5	4	4	23	26	0	0
27	0	0	30	16	4	6	5	5	23	24	0	0
28	0	0	12	17	5	5	5	5	16	23	0	0
29	0	0	6	20	5	5	5	5	23	24	0	0
30	0	-	36	17	5	5	5	6	20	21	0	0
31	0	-	32	-	5	-	4	4	-	26	-	0
TOTAL	0	0	806	797	150	151	153	146	425	736	191	0
MAXIMUM DAY	0	0	37	36	5	6	6	6	24	29	31	0
MINIMUM DAY	0	0	0	16	4	4	4	3	3	17	0	0
MEAN	0	0	26	27	5	5	5	5	14	24	6	0
TOTAL AC. FT.	0	0	1,598	1,581	298	299	304	290	844	1,459	379	0

WHOLE YEAR:- TOTAL, 3,555 MAX., 37 MIN., 0 MEAN, 10 TOTAL AC.FT., 7,052

North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND — Exchange Deliveries via/for SSJMUD — Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	9	7	7	6	7	8	8	0
2	0	0	0	0	9	7	6	6	6	7	8	0
3	0	0	0	0	9	7	7	6	4	8	6	0
4	0	0	0	0	10	7	7	6	6	8	8	0
5	0	0	0	0	8	7	7	6	5	8	11	0
6	0	0	0	0	9	7	8	7	5	7	5	0
7	0	0	0	0	9	8	6	5	7	7	7	0
8	0	0	0	0	8	7	8	6	6	8	8	0
9	0	0	0	0	8	7	7	9	6	9	2	0
10	0	0	0	0	10	7	7	7	6	5	0	0
11	0	0	0	0	9	7	6	7	5	8	0	0
12	0	0	0	0	7	7	8	7	7	8	0	0
13	0	0	0	0	10	7	7	8	6	8	0	0
14	0	0	0	0	9	8	6	5	7	8	0	0
15	0	0	0	0	9	7	8	6	6	7	0	0
16	0	0	0	0	9	7	7	8	7	8	0	0
17	0	0	0	0	9	7	5	5	5	10	0	0
18	0	0	0	0	9	7	6	6	6	7	0	0
19	0	0	0	0	8	6	7	6	7	7	0	0
20	0	0	0	0	9	7	8	6	7	9	0	0
21	0	0	0	0	9	6	6	7	6	7	0	0
22	0	0	0	15	7	7	7	7	8	9	0	0
23	0	0	0	15	9	5	7	8	8	9	0	0
24	0	0	0	15	9	7	6	7	8	7	0	0
25	0	0	0	15	10	8	9	7	7	7	0	0
26	0	0	0	15	8	6	5	6	8	9	0	0
27	0	0	0	15	8	7	7	7	8	8	0	0
28	0	0	0	15	9	7	8	6	5	8	0	0
29	0	0	0	15	8	6	6	6	8	8	0	0
30	0	-	0	16	9	7	7	7	6	7	0	0
31	0	-	0	-	8	-	6	6	-	9	-	0
TOTAL	0	0	0	136	271	207	212	202	193	243	63	0
MAXIMUM DAY	0	0	0	16	10	8	9	9	8	10	11	0
MINIMUM DAY	0	0	0	0	7	5	5	5	4	5	0	0
MEAN	0	0	0	5	9	7	7	7	6	8	2	0
TOTAL AC. FT.	0	0	0	270	538	411	421	401	383	482	124	0

WHOLE YEAR:- TOTAL, 1,527 MAX., 16 MIN., 0 MEAN, 4 TOTAL AC.FT., 3,030

North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND — Exchange Deliveries via/for Kern-Tulare WD — Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	19	20	20	16	20	0	0	0
2	0	0	0	0	19	21	18	19	19	0	0	0
3	0	0	0	0	19	20	19	16	14	0	0	0
4	0	0	0	0	19	18	20	15	17	0	0	0
5	0	0	0	0	19	20	20	19	16	0	0	0
6	0	0	0	0	18	18	21	19	13	0	0	0
7	0	0	0	0	20	22	19	12	18	0	0	0
8	0	0	0	0	18	20	20	19	16	0	0	0
9	0	0	0	0	17	19	20	23	16	0	0	0
10	0	0	0	0	22	20	20	19	16	0	0	0
11	0	0	0	0	19	20	18	18	14	0	0	0
12	0	0	0	0	17	19	22	19	11	0	0	0
13	0	0	0	0	21	18	19	21	0	0	0	0
14	0	0	0	0	19	22	18	15	0	0	0	0
15	0	0	0	0	19	19	21	16	0	0	0	0
16	0	0	0	0	20	20	19	22	0	0	0	0
17	0	0	0	0	18	19	17	14	0	0	0	0
18	0	0	0	0	19	20	17	16	0	0	0	0
19	0	0	0	0	19	18	20	19	0	0	0	0
20	0	0	0	0	19	19	20	18	0	0	0	0
21	0	0	0	0	19	19	16	19	0	0	0	0
22	0	0	0	0	16	18	21	19	0	0	0	0
23	0	0	0	0	18	16	20	23	0	0	0	0
24	0	0	0	0	19	20	19	17	0	0	0	0
25	0	0	0	0	20	22	24	22	0	0	0	0
26	0	0	0	0	18	19	15	17	0	0	0	0
27	0	0	0	0	18	20	19	20	0	0	0	0
28	0	0	0	0	19	20	21	17	0	0	0	0
29	0	-	0	0	17	19	19	20	0	0	0	0
30	0	-	0	0	20	19	19	23	0	0	0	0
31	0	-	0	-	19	-	15	16	-	0	-	0
TOTAL	0	0	0	0	583	584	596	568	190	0	0	0
MAXIMUM DAY	0	0	0	0	22	22	24	23	20	0	0	0
MINIMUM DAY	0	0	0	0	16	16	15	12	0	0	0	0
MEAN	0	0	0	0	19	19	19	18	6	0	0	0
TOTAL AC. FT.	0	0	0	0	1,156	1,159	1,182	1,127	376	0	0	0

WHOLE YEAR:- TOTAL, 2,521 MAX., 24 MIN., 0 MEAN, 7 TOTAL AC.FT., 5,000

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

Quantities in acre-feet

2018	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	32,721	32,721	32,721	32,721	32,721	32,721	32,721	32,721	32,721	32,721	32,721	32,721	

2019													
NKWSD to CITY	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY to NKWSD	0	0	0	0	0	0	0	177	4,823	0	0	0	5,000
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	32,721	32,721	32,721	32,721	32,721	32,721	32,721	32,544	27,721	27,721	27,721	27,721	

2020													
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	

COST ALLOCATIONS

Carrier Canal Headgate Remodel 2020

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: 2020

	2016	2017	2018	2019	2020	Five Year Total	Allocation Percentage
Carrier Canal at Head	175,622	306,421	207,823	266,225	166,231	1,122,322	99.86%
Oilfield Discharge	0	0	0	0	0	0	0.00%
Storm Drain Inflow	496	549	69	251	206	1,571	0.14%
TOTAL CARRIER CANAL FLOW	**176,118**	**306,970**	**207,892**	**266,476**	**166,437**	**1,123,893**	**100.00%**
Kern Island Canal (1)	85,027	133,095	119,001	138,329	101,962	577,414	51.38%
Eastside Canal	18,033	29,583	18,642	32,165	18,950	117,373	10.44%
Kern Delta WD via Levee #1	50,972	107,362	37,212	40,314	16,124	251,984	22.42%
KERN DELTA WATER DISTRICT TOTAL	**154,032**	**270,040**	**174,855**	**210,808**	**137,036**	**946,771**	**84.24%**
Via Kern Island Canal	0	0	0	0	0	0	0.00%
Carrier Waste Gate	0	5,678	0	0	0	5,678	0.51%
Kern River Conduit via Levee #1	22,086	31,252	33,037	55,668	29,401	171,444	15.25%
CITY OF BAKERSFIELD TOTAL	**22,086**	**36,930**	**33,037**	**55,668**	**29,401**	**177,122**	**15.76%**

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: 2020

	2016	2017	2018	2019	2020	Five Year Total	Allocation Percentage
TOTAL CARRIER CANAL FLOW (1)	**31,636**	**360,803**	**130,644**	**272,012**	**105,705**	**900,800**	**100.00%**
Stine Canal Total Diverted (2)	6,094	45,260	13,943	50,222	10,996	126,515	14.04%
Arvin-Edison Turnout Total Diverted (2)	0	375	0	0	0	375	0.04%
Buena Vista Canal Total Diverted (2)	11,978	61,881	23,253	58,716	22,331	178,159	19.78%
River Canal Total Diverted (3)	0	0	0	0	0	0	0.00%
KERN DELTA WATER DISTRICT TOTAL DIVERTED FROM CARRIER CANAL	**18,072**	**107,516**	**37,196**	**108,938**	**33,327**	**305,049**	**33.86%**
KERN RIVER CONDUIT (City of Bakersfield)	**13,564**	**253,287**	**93,448**	**163,074**	**72,378**	**595,751**	**66.14%**

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
2020

CALLOWAY CANAL USED

Preceding Ten Years

Year	Diverted via Calloway Canal				
	NKWSD	CITY	Subtotal	ID4	TOTAL
2011	103,780	9,670	113,450	38,676	152,126
2012	5,095	172	5,267	25,273	30,540
2013	0	0	0	23,247	23,247
2014	166	0	166	8,356	8,522
2015	0	0	0	0	0
2016	0	0	0	27,640	27,640
2017	100,519	4,985	105,504	38,833	144,337
2018	8,321	8,454	16,775	26,986	43,761
2019	55,914	12,888	68,802	35,650	104,452
2020	0	7,380	7,380	26,092	33,472
Total	273,795	43,549	317,344	250,753	568,097
Percent	**86.28%**	**13.72%**	**100.00%**		

BEARDSLEY CANAL USED

Preceding Five Years

Year	Diverted via Beardsley Canal						
	North Kern Water Storage District			CITY	Subtotal	CWD/Other	TOTAL
	NKWSD	RRID	TOTAL				
2016	20,280	0	20,280	3,841	24,121	29,841	19,670
2017	250,954	0	250,954	8,858	259,812	78,762	53,962
2018	84,998	0	84,998	6,934	91,932	16,523	338,574
2019	175,479	0	175,479	8,554	184,033	69,214	108,455
2020	48,004	0	48,004	7,273	55,277	12,835	68,112
Total	579,715	0	579,715	35,460	615,175	207,175	588,773
Percent	**94.24%**	**0.00%**	**94.24%**	**5.76%**	**100.00%**		

IMPROVEMENT DISTRICT NO. 4 USE OF CALLOWAY CANAL

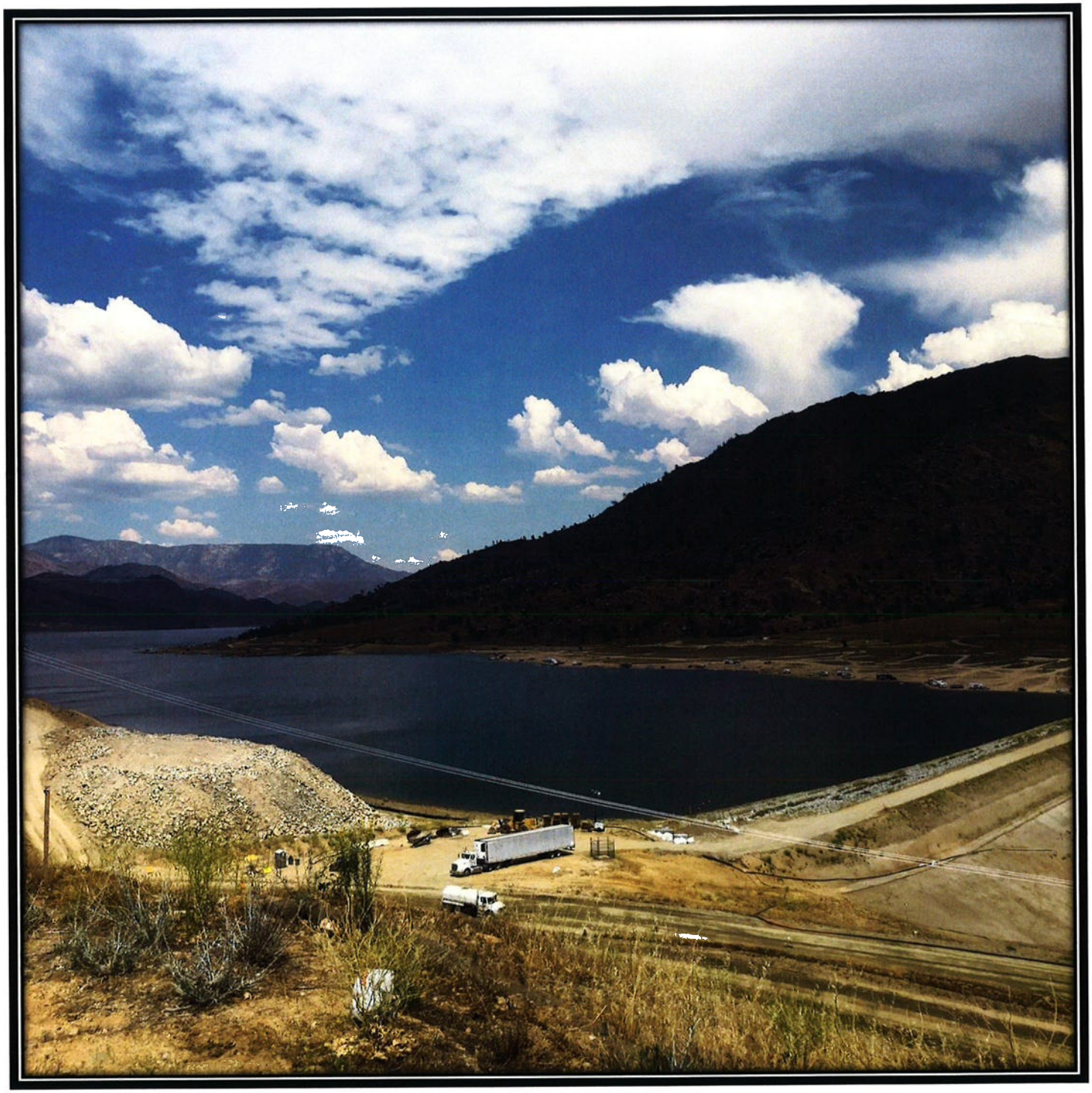
Pursuant to Calloway Canal Agreement dated April 28, 1982

Quantities in acre-feet except where noted...

Year: 2020

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
	Operating Loss/Spreading	123	95	123	119	135	149	123	107	0	0	48	123	1,145
	Treatment Plant	2,438	2,055	2,860	2,362	3,084	4,304	5,542	4,423	0	0	833	2,343	30,244
	Reverse Flow via Pump Plant #7	0	0	0	0	0	0	0	0	0	0	0	0	0
E	CVC Extension Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
A R	T.O. #4 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
S E	Loss to Buck Owens Weir	137	143	179	230	353	246	242	212	0	0	79	262	2,083
T A	Western Reach Flow	0	0	0	0	0	0	0	0	0	0	0	0	0
E C	Trans. Charge Waived	0	0	0	0	0	0	0	0	0	0	0	0	0
R H	SUB-TOTAL DIVERSION	2,698	2,293	3,162	2,711	3,572	4,699	5,907	4,742	0	0	960	2,728	33,472
N	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	1.994	1.994	1.994	1.994	1.994	1.994	1.994	1.994	1.994	1.994	1.994	1.994	
	Current Rate	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	
	SUB-TOTAL CHARGE	$4,047.00	$3,439.50	$4,743.00	$4,066.50	$5,358.00	$7,048.50	$8,860.50	$7,113.00	$0.00	$0.00	$1,440.00	$4,092.00	$50,208.00
W	Bartell Spreading	0	0	0	0	0	0	0	0	0	0	0	0	0
E R	Loss Below Buck Owens Weir	0	0	0	0	0	0	0	0	0	0	0	0	0
S E	NKWSD Exchange Delivery	0	0	0	0	0	0	0	0	0	0	0	0	0
T A	Trans. Charge Waived	0	0	0	0	0	0	0	0	0	0	0	0	0
E C	SUB-TOTAL DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
R H	Current Rate	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	$1.50	
N	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	**$4,047.00**	**$3,439.50**	**$4,743.00**	**$4,066.50**	**$5,358.00**	**$7,048.50**	**$8,860.50**	**$7,113.00**	**$0.00**	**$0.00**	**$1,440.00**	**$4,092.00**	**$50,208.00**

WATERMASTER SUMMARIES



Isabella Dam 2020

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: 2020

Year	Acre-Foot Days of Irrigation Storage			Isabella O&M Charges (2)
	NKWSD (1)	BVWSD	Total A.F.D.	
2016	18,216,044	4,459,699	22,675,743	$267,475
2017	58,070,134	20,899,329	78,969,463	$267,475
2018	30,617,701	13,669,772	44,287,473	$267,475
2019	50,816,610	17,106,748	67,923,358	$347,958
2020	29,087,476	15,340,662	44,428,138	$347,958
5-Year Totals	186,807,965	71,476,210	258,284,175	$1,498,341

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

- Total 5-Year Operation & Interest Charge..... $2,641,591

Total 5-Year Cost	=	$2,641,591	=	$0.0102275
Total 5-Year Use		258,284,175		Rental Charge Per Acre-Foot Day

TOTAL 2020 HACIENDA WD Acre-Foot Storage Days = 3,795,262

TOTAL 2020 HACIENDA WD Share of 2020 Storage Costs = $38,816.04

(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: 2020

	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	168,329	5,944	710			
January	169,281	5,965	710	1,254	16	151
February	173,067	6,049	700	1,595	16	190
March	180,484	6,211	680	1,589	44	179
April	200,249	6,623	635	2,249	60	234
May	227,876	7,155	580	4,197	77	363
June	196,692	6,551	640	5,006	105	450
July	140,430	5,285	790	5,575	127	670
August	109,216	4,460	900	4,374	121	776
September	101,475	4,239	930	3,035	91	653
October	97,709	4,129	950	2,379	65	538
November	97,461	4,122	950	1,377	42	317
December	96,599	4,096	955	1,154	26	266
			TOTALS	33,784	790	4,787

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: 2020

2020 CALENDAR YEAR

	FIRST POINT		ENTITLEMENT		
	REGULATED	NATURAL	NKWSD	BVWSD	HWD
JANUARY	27,306	29,512	29,512	0	0
To Date	27,306	29,512	29,512	0	0
FEBRUARY	20,989	26,370	26,370	0	0
	48,295	55,882	55,882	0	0
MARCH	21,000	30,006	26,329	3,677	0
	69,295	85,888	82,211	3,677	0
APRIL	37,199	59,213	46,055	13,158	0
	106,494	145,101	128,266	16,835	0
MAY	54,526	86,350	64,752	21,598	0
	161,020	231,451	193,018	38,433	0
JUNE	61,964	35,786	30,082	5,704	0
	222,984	267,237	223,100	44,137	0
JULY	66,140	15,453	15,312	141	0
	289,124	282,690	238,412	44,278	0
AUGUST	39,826	12,986	12,986	0	0
	328,950	295,676	251,398	44,278	0
SEPTEMBER	15,873	11,167	11,167	0	0
	344,823	306,843	262,565	44,278	0
OCTOBER	10,156	8,769	8,769	0	0
	354,979	315,612	271,334	44,278	0
NOVEMBER	9,209	10,338	10,338	0	0
	364,188	325,950	281,672	44,278	0
DECEMBER	11,510	11,802	11,802	0	0
Year	375,698	337,752	293,474	44,278	0

1894 to 2020 Mean April-July Runoff = 461,410 acre-feet (100% of Average)

2020 April-July Runoff = 196,802 (43% of Average)

2019-2020 WATER YEAR

	FIRST POINT		ENTITLEMENT		
	REGULATED	NATURAL	NKWSD	BVWSD	HWD
OCTOBER	47,584	25,335	25,335	0	0
To Date	47,584	25,335	25,335	0	0
NOVEMBER	25,384	24,926	24,926	0	0
	72,968	50,261	50,261	0	0
DECEMBER	31,394	33,412	33,412	0	0
	104,362	83,673	83,673	0	0
JANUARY	27,306	29,512	29,512	0	0
	131,668	113,185	113,185	0	0
FEBRUARY	20,989	26,370	26,370	0	0
	152,657	139,555	139,555	0	0
MARCH	21,000	30,006	26,329	3,677	0
	173,657	169,561	165,884	3,677	0
APRIL	37,199	59,213	46,055	13,158	0
	210,856	228,774	211,939	16,835	0
MAY	54,526	86,350	64,752	21,598	0
	265,382	315,124	276,691	38,433	0
JUNE	61,964	35,786	30,082	5,704	0
	327,346	350,910	306,773	44,137	0
JULY	66,140	15,453	15,312	141	0
	393,486	366,363	322,085	44,278	0
AUGUST	39,826	12,986	12,986	0	0
	433,312	379,349	335,071	44,278	0
SEPTEMBER	15,873	11,167	11,167	0	0
Year	449,185	390,516	346,238	44,278	0

1894 to 2020 Mean March-October Runoff = 592,237 acre-feet (100% of Average)

2020 March-October Runoff = 259,730 acre-feet (44% of Average)

REPORT OF THE KERN RIVER WATERMASTER

RECAPITULATION 2020

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	Ent'l 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	2560.14	168,329								169,426				77,252								41,941							18,952	
JAN	2560.30	169,281	1,254	26,469	837	27,306	0	29,512	29,512	169,509	29,512	837	24,170	81,005	752	0	0	0	0	0	0	41,576	365	151	0	0	2299	0	16,516	137
FEB	2560.93	173,067	1,595	20,204	785	20,989	0	26,370	26,370	170,890	26,370	785	18,465	87,154	971	0	0	0	0	0	0	41,109	467	190	0	0	1739	0	14,620	157
MAR	2562.14	180,484	1,589	20,118	882	21,000	0	30,006	30,006	176,789	26,329	882	17,478	94,119	1,004	0	0	3,677	0	0	0	44,330	456	179	0	0	2640	0	11,851	129
APR	2565.22	200,249	2,249	36,322	877	37,199	0	59,213	59,213	188,433	46,055	877	35,469	102,405	1,423	0	0	13,158	0	0	853	55,957	678	234	0	0	0	0	11,703	148
MAY	2569.23	227,876	4,197	53,205	1,321	54,526	0	86,350	86,350	212,782	64,752	1,321	49,700	113,632	2,504	0	0	21,598	0	1,520	1,985	72,599	1451	363	0	0	0	0	11,461	242
JUN	2564.68	196,692	5,006	60,296	1,668	61,964	0	35,786	35,786	214,250	30,082	1,668	47,852	91,297	2,897	0	0	5,704	0	5,664	6,734	64,076	1829	450	0	0	46	0	11,135	280
JUL	2555.17	140,430	5,575	64,738	1,402	66,140	0	15,453	15,453	167,925	42,131	1,402	42,131	59,917	3,159	0	0	141	0	16,131	4,971	41,060	2055	670	0	0	1505	0	9,269	361
AUG	2548.76	109,216	4,374	38,295	1,531	39,826	0	12,986	12,986	121,269	12,986	1,531	25,740	43,071	2,561	0	0	0	0	10,679	480	28,407	1494	776	0	0	1396	0	7,554	319
SEP	2546.98	101,475	3,035	14,612	1,261	15,873	0	11,167	11,167	103,809	11,167	1,261	14,533	36,710	1,734	0	0	0	0	79	0	27,269	1059	653	0	0	0	0	7,312	242
OCT	2546.08	97,709	2,379	9,144	1,012	10,156	0	8,769	8,769	99,277	8,769	1,012	9,144	33,986	1,337	0	0	0	0	0	0	26,422	847	538	0	0	0	0	7,117	195
NOV	2546.02	97,461	1,377	8,279	930	9,209	0	10,338	10,338	97,913	10,338	736	7,024	35,595	775	0	0	0	0	0	0	25,928	494	317	0	0	1255	0	5,754	108
DEC	2545.81	96,599	1,154	10,955	555	11,510	0	11,802	11,802	96,825	11,802	555	7,335	38,831	686	(1) 10	0	0	0	0	0	25,505	413	266	0	0	3620	0	2,079	55
Total			33,784	362,637	13,061	375,698	0	337,752	337,752		320,293	12,867	299,041		19803	10	0	44,278	0	34,073	15,023		11608	4787	0	0	14500	0		2373

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, 2020

HYDROGRAPHIC SUMMARY

UTILIZATION OF WATER - FIRST POINT GROUP - PRECEDING FIVE YEARS

Quantities in acre-feet

Year: 2020

Canal	2016	2017	2018	2019	2020	Five Year Total	Percentage
Kern Island	84,707	133,095	129,066	143,950	100,739	591,557	20.01%
Eastside	18,033	29,583	18,395	28,760	18,949	113,720	3.84%
Buena Vista	6,810	61,324	10,044	45,361	10,675	134,214	4.54%
Stine	7,010	45,113	10,644	34,091	15,734	112,592	3.81%
Farmers	4,571	20,928	6,691	25,516	6,849	64,555	2.18%
Subtotal Kern Delta WD	**121,131**	**290,043**	**174,840**	**277,678**	**152,946**	**1,016,638**	**34.38%**
City of Bakersfield	34,018	483,603	40,797	355,642	46,236	960,296	32.48%
K.R.C. & I. Co. (Beardsley)	0	20,608	7,543	8,554	7,936	44,641	1.51%
Central - I.D. #4 (Calloway)	0	27,250	35,440	35,650	33,472	131,812	4.46%
James	0	0	0	0	0	0	0.00%
Pioneer	0	0	0	0	0	0	0.00%
Subtotal City of Bakersfield	**34,018**	**531,461**	**83,780**	**399,846**	**87,644**	**1,136,749**	**38.45%**
North Kern WSD	**50,964**	**334,371**	**101,599**	**258,602**	**57,995**	**803,531**	**27.17%**
Total First Point Group	**206,113**	**1,155,875**	**360,219**	**936,126**	**298,585**	**2,956,918**	**100.00%**
South Fork	0	0	0	0	0		
First Point Passing 2nd Point	0	10,121	0	341	0		
River Loss and Spreading	30,818	126,957	42,772	99,897	49,029		
Flow Above First Point	12,070	21,768	11,291	11,491	13,061		
Total 1st Point Group Diverted	**249,001**	**1,314,721**	**414,282**	**1,047,855**	**360,675**		

- Note:

ALL FIGURES REFLECT GROSS DIVERSIONS...

Isabella Dam & Reservoir

QUANTITIES IN ACRE-FEET — Midnight Storage Recapitulation — Year: 2020

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	168,448	169,281	173,309	180,484	202,109	227,518	195,320	138,850	108,638	101,306	97,792	97,461
2	168,806	169,162	173,430	180,609	203,978	227,089	193,758	137,282	108,017	101,136	97,750	97,461
3	168,925	169,281	173,672	180,422	205,656	226,304	192,332	135,469	107,442	100,967	97,709	97,380
4	169,102	169,281	173,793	180,609	207,142	225,735	190,914	133,772	106,827	100,798	97,668	97,339
5	169,222	169,341	173,914	180,733	208,157	225,095	189,310	132,192	106,300	100,587	97,626	97,174
6	169,401	169,520	174,097	181,230	209,174	224,669	187,587	130,674	105,689	100,461	97,585	97,174
7	169,401	169,640	174,279	181,979	210,197	223,890	185,686	129,319	105,035	100,335	97,668	97,133
8	169,281	169,640	174,522	183,355	211,289	223,040	183,669	128,072	104,646	100,167	97,833	96,968
9	169,520	169,999	174,705	184,173	212,660	222,124	181,479	127,031	104,213	100,083	97,957	96,886
10	169,640	170,119	175,069	184,675	213,899	220,928	179,369	126,144	103,911	99,915	97,999	96,804
11	169,760	170,179	175,313	185,243	214,796	219,524	177,395	125,163	103,653	99,915	98,040	96,763
12	169,401	170,298	175,619	185,749	215,626	218,267	175,313	124,138	103,481	99,873	98,081	96,681
13	169,819	170,478	175,986	186,826	216,041	217,153	173,309	123,166	103,380	99,747	98,040	96,476
14	169,879	170,597	176,231	187,651	216,875	216,180	171,318	122,249	103,481	99,663	98,206	96,558
15	169,939	170,657	176,476	188,097	217,569	215,003	169,341	121,432	103,380	99,495	98,330	96,599
16	170,059	170,717	176,842	188,928	218,546	213,830	167,440	120,333	103,280	99,371	98,372	96,599
17	170,119	171,017	177,088	189,695	219,594	213,072	165,492	119,240	103,180	99,162	98,372	96,640
18	169,939	171,137	177,088	190,401	220,647	212,043	163,792	118,107	103,094	98,995	98,123	96,681
19	169,760	171,378	177,457	190,850	221,841	211,289	162,045	117,028	102,923	98,828	98,247	96,722
20	169,760	171,559	177,703	191,365	222,828	210,402	160,197	116,095	102,880	98,662	98,247	96,722
21	169,760	171,679	177,888	191,752	223,606	209,515	158,303	115,214	102,752	98,537	98,206	96,763
22	169,700	171,860	178,318	192,075	224,173	208,360	156,310	114,475	102,582	98,413	97,999	96,681
23	169,640	172,100	178,750	192,461	224,598	207,142	154,279	113,877	102,368	98,247	97,999	96,722
24	169,580	172,402	179,121	192,915	224,953	205,791	152,431	113,282	102,240	98,123	97,833	96,681
25	169,520	172,643	179,493	193,758	225,166	204,447	150,819	112,642	102,069	98,040	97,792	96,517
26	169,341	172,764	179,431	194,798	225,308	202,975	149,109	111,961	101,984	97,957	97,668	96,558
27	169,700	172,946	179,801	196,037	225,807	201,443	147,303	111,507	101,899	97,874	97,626	96,722
28	169,461	173,067	179,925	197,216	226,447	199,852	145,618	110,966	101,814	97,792	97,585	96,763
29	169,461	173,067	180,236	198,664	227,089	198,136	143,892	110,515	101,644	97,709	97,585	96,722
30	169,162	-	180,422	200,249	227,590	196,692	142,126	109,932	101,475	97,709	97,461	96,640
31	169,281	-	180,484	-	227,876	-	140,430	109,216	-	97,709	-	96,599
MAXIMUM DAY	170,119	173,067	180,484	200,249	227,876	227,518	195,320	138,850	108,638	101,306	98,372	97,461
MINIMUM DAY	168,448	169,162	173,309	180,422	202,109	196,692	140,430	109,216	101,475	97,709	97,461	96,476

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

JANUARY 2020

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	2560.14	168,329	84,866	21	496	16	512	533	533	84,866	69,648	3	0	0	0	0	
1	2560.16	168,448	84,926	20	347	14	361	441	485	84,970	69,752	2	0	0	0	0	1
2	2560.22	168,806	85,106	14	366	14	380	574	484	85,060	69,842	2	0	0	0	0	2
3	2560.24	168,925	85,166	20	342	14	356	436	498	85,182	69,964	2	0	0	0	0	3
4	2560.27	169,102	85,256	26	354	13	367	483	454	85,243	70,025	3	0	0	0	0	4
5	2560.29	169,222	85,316	16	355	13	368	444	478	85,337	70,119	2	0	0	0	0	5
6	2560.32	169,401	85,406	18	384	14	398	506	458	85,379	70,161	2	0	0	0	0	6
7	2560.32	169,401	85,406	22	389	14	403	425	430	85,384	70,166	3	0	0	0	0	7
8	2560.30	169,281	85,346	20	385	14	399	359	449	85,414	70,196	2	0	0	0	0	8
9	2560.34	169,520	85,466	16	414	13	427	563	483	85,454	70,236	2	0	0	0	0	9
10	2560.36	169,640	85,527	16	434	15	449	526	532	85,521	70,303	2	0	0	0	0	10
11	2560.38	169,760	85,587	22	413	13	426	508	430	85,503	70,285	3	0	0	0	0	11
12	2560.32	169,401	85,406	16	409	13	422	257	471	85,536	70,318	2	0	0	0	0	12
13	2560.39	169,819	85,617	20	402	14	416	647	458	85,558	70,340	2	0	0	0	0	13
14	2560.40	169,879	85,647	22	405	13	418	470	524	85,642	70,424	3	0	0	0	0	14
15	2560.41	169,939	85,678	16	395	14	409	456	472	85,689	70,471	2	0	0	0	0	15
16	2560.43	170,059	85,738	26	392	13	405	491	460	85,718	70,500	3	0	0	0	0	16
17	2560.44	170,119	85,768	16	372	14	386	432	452	85,768	70,550	2	0	0	0	0	17
18	2560.41	169,939	85,678	22	488	13	501	433	431	85,676	70,458	3	0	0	0	0	18
19	2560.38	169,760	85,587	36	468	14	482	427	463	85,621	70,403	4	0	0	0	0	19
20	2560.38	169,760	85,587	34	480	15	495	529	491	85,583	70,365	4	0	0	0	0	20
21	2560.38	169,760	85,587	22	480	14	494	516	511	85,578	70,360	3	0	0	0	0	21
22	2560.37	169,700	85,557	22	482	13	495	487	497	85,558	70,340	3	0	0	0	0	22
23	2560.36	169,640	85,527	20	486	13	499	489	490	85,529	70,311	2	0	0	0	0	23
24	2560.35	169,580	85,497	18	491	14	505	493	494	85,500	70,282	2	0	0	0	0	24
25	2560.34	169,520	85,466	18	498	14	512	499	472	85,442	70,224	2	0	0	0	0	25
26	2560.31	169,341	85,376	18	483	13	496	424	539	85,467	70,249	2	0	0	0	0	26
27	2560.37	169,700	85,557	22	480	12	492	695	492	85,445	70,227	3	0	0	0	0	27
28	2560.33	169,461	85,437	16	448	13	461	357	521	85,489	70,271	2	0	0	0	0	28
29	2560.33	169,461	85,437	18	479	14	493	511	420	85,398	70,180	2	0	0	0	0	29
30	2560.28	169,162	85,286	18	511	15	526	393	432	85,286	70,068	2	0	0	0	0	30
31	2560.30	169,281	85,346	22	513	13	526	608	608	85,346	70,128	3	0	0	0	0	31
TOTAL SECOND FOOT DAYS				632	13,345	422	13,767	14,879	14,879	85,346	70,128	76	0	0	0	0	
TOTAL ACRE-FEET				1,254	26,469	837	27,306	29,512	29,512	169,281	139,097	151	0	0	0	0	

By: MC Date: February 28, 2020

JANUARY 2020

	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	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	CAWELO	KWB	POINT	HACIENDA INC.	LOSS	STORAGE	NKWSD	BVWSD	ID#4	KCWA	LOSS	STORAGE	DAY
Previous Day	533	437	16	13	38,948	0	0	0	0	0	0	6	21,145			59	0	2	9,555	
1	485	314	14	12	39,093	0	0	0	0	0	0	6	21,139			33	0	2	9,520	1
2	484	327	14	8	39,228	0	0	0	0	0	0	4	21,135			39	0	2	9,479	2
3	498	311	14	12	39,389	0	0	0	0	0	0	6	21,129			31	0	2	9,446	3
4	454	314	13	15	39,501	0	0	0	0	0	0	8	21,121			40	0	3	9,403	4
5	478	317	13	9	39,640	0	0	0	0	0	0	5	21,116			38	0	2	9,363	5
6	458	346	14	11	39,727	0	0	0	0	0	0	5	21,111			38	0	2	9,323	6
7	430	355	14	13	39,775	0	0	0	0	0	0	6	21,105			34	0	3	9,286	7
8	449	351	14	12	39,847	0	0	0	0	0	0	6	21,099			34	0	2	9,250	8
9	483	382	13	9	39,926	0	0	0	0	0	0	5	21,094			32	0	2	9,216	9
10	532	391	15	9	40,043	0	0	0	0	0	0	5	21,089			43	0	2	9,171	10
11	430	380	13	14	40,066	0	0	0	0	0	0	6	21,083			33	0	2	9,136	11
12	471	370	13	9	40,145	0	0	0	0	0	0	5	21,078			39	0	2	9,095	12
13	458	367	14	12	40,210	0	0	0	0	0	0	6	21,072			35	0	2	9,058	13
14	524	366	13	14	40,341	0	0	0	0	0	0	6	21,066			39	0	2	9,017	14
15	472	354	14	9	40,436	0	0	0	0	0	0	5	21,061			41	0	2	8,974	15
16	460	356	13	15	40,512	0	0	0	0	0	0	8	21,053			36	0	3	8,935	16
17	452	336	14	9	40,605	0	0	0	0	0	0	5	21,048			36	0	2	8,897	17
18	431	454	13	14	40,555	0	0	0	0	0	0	6	21,042			34	0	2	8,861	18
19	463	429	14	21	40,554	0	0	0	0	0	0	11	21,031			39	0	4	8,818	19
20	491	448	15	20	40,562	0	0	0	0	0	0	10	21,021			32	0	4	8,782	20
21	511	448	14	14	40,597	0	0	0	0	0	0	6	21,015			32	0	2	8,748	21
22	497	440	13	14	40,627	0	0	0	0	0	0	6	21,009			42	0	2	8,704	22
23	490	447	13	12	40,645	0	0	0	0	0	0	6	21,003			39	0	2	8,663	23
24	494	447	14	11	40,667	0	0	0	0	0	0	5	20,998			44	0	2	8,617	24
25	472	455	14	11	40,659	0	0	0	0	0	0	5	20,993			43	0	2	8,572	25
26	539	447	13	11	40,727	0	0	0	0	0	0	5	20,988			36	0	2	8,534	26
27	492	440	12	14	40,753	0	0	0	0	0	0	6	20,982			40	0	2	8,492	27
28	521	417	13	9	40,835	0	0	0	0	0	0	5	20,977			31	0	2	8,459	28
29	420	448	14	11	40,782	0	0	0	0	0	0	5	20,972			31	0	2	8,426	29
30	432	468	15	11	40,720	0	0	0	0	0	0	5	20,967			43	0	2	8,381	30
31	608	461	13	14	40,840	0	0	0	0	0	0	6	20,961			52	0	2	8,327	31
S.F.D.	14,879	12,186	422	379	40,840	0	0	0	0	0	0	184	20,961			1,159	0	69	8,327	S.F.D.
AC.FT.	29,512	24,170	837	752	81,005	0	0	0	0	0	0	365	41,576			2,299	0	137	16,516	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 2,475,385

TOTAL ACRE-FOOT STORAGE DAYS 1,294,329

TOTAL ACRE-FOOT STORAGE DAYS 549,328

JANUARY 2020

*WATERMASTER NOTES *** KERN RIVER BULLETIN*

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

SNOW SURVEY DATA FOR KERN RIVER BASIN

FEBRUARY 1, 2020

SNOW COURSE	SNOW SENSOR	CALIF. NUMBER	ELEV. IN FEET	APRIL 1ST AVERAGE WATER CONTENT	DATE MEASURED	SNOW DEPTH IN INCHES	WATER CONTENT IN INCHES	% OF APRIL 1ST AVERAGE
	Upper Tyndall Creek	516	11400	27.7	25-Jan	35.5	10.5	38%
Bighorn Plateau		250	11350	23.7	26-Jan	30.5	9.5	43%
Cottonwood Pass		251	11050	14.8	31-Jan	25.5	8.0	55%
Siberian Pass		252	10900	20	28-Jan	31	8.5	45%
Crabtree Meadow		253	10700	19.6	27-Jan	30	8.0	42%
	Crabtree Meadow	253	10700	19.8	27-Jan	30	8.0	40%
Guyot Flat		254	10650	20.8	27-Jan	30	8.5	42%
Tyndall Creek		255	10650	18.8	25-Jan	30.5	8.5	45%
Sandy Meadows		275	10650	19.2	26-Jan	31	9.0	48%
	Chagoopa Plateau	514	10300	21.8				
Big Whitney Meadow		257	9750	17.2	30-Jan	28.5	7.5	45%
Rock Creek		256	9600	17.8	27-Jan	29	8.0	45%
	Pascoe	569	9150	24.9				
Round Meadow		258	9000	24.1	30-Jan	30	10.0	42%
	Wet Meadow	518	8950	30.3				
	Tunnel Guard	830	8900	15.6	27-Jan	30	8.0	40%
Ramshaw Meadows		259	8700	11.5	30-Jan	23	6.5	58%
Little Whitney Meadow		260	8500	12.9	29-Jan	24.5	7.0	51%
Quinn Ranger Station		264	8350	18.9				
Bonita Meadows		261	8300	13.6	30-Jan	21	6.5	45%
Casa Vieja Meadows		262	8300	19.8	29-Jan	29.5	9.5	45%
	Casa Vieja Meadows	262	8300	20.9				
Beach Meadows		265	7650	8.3	30-Jan	18	6.0	69%
	Beach Meadows	860	7650	11				
Dead Horse Meadow		249	7300	10.7	31-Jan	13.5	6.0	57%

CALIFORNIA COOPERATIVE SNOW SURVEYS FORECAST as of FEBRUARY 1, 2020 for KERN RIVER INFLOW TO ISABELLA RESERVOIR...

April-July = 300,000 acre-feet (66% of Average) * Water Year = 500,000 acre-feet (69% of Average)**

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

April-July = 210,000 AcFt (46% of Average) to 410,000 AcFt (90% of Average)

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

FEBRUARY 2020

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	2560.30	169,281	85,346	22	513	13	526	608	608	85,346	70,128	3	0	0	0	0	
1	2560.30	169,281	85,346	23	421	13	434	457	446	85,335	70,117	3	0	0	0	0	1
2	2560.27	169,162	85,286	23	447	13	460	423	462	85,314	70,096	3	0	0	0	0	2
3	2560.30	169,281	85,346	18	415	14	429	507	463	85,330	70,112	2	0	0	0	0	3
4	2560.30	169,281	85,346	19	424	15	439	458	475	85,347	70,129	2	0	0	0	0	4
5	2560.31	169,341	85,376	18	398	14	412	460	466	85,383	70,165	2	0	0	0	0	5
6	2560.34	169,520	85,466	23	353	13	366	479	465	85,459	70,241	3	0	0	0	0	6
7	2560.36	169,640	85,527	26	355	13	368	455	441	85,506	70,288	3	0	0	0	0	7
8	2560.36	169,640	85,527	26	350	14	364	390	473	85,589	70,371	3	0	0	0	0	8
9	2560.42	169,999	85,708	26	353	13	366	573	473	85,670	70,452	3	0	0	0	0	9
10	2560.44	170,119	85,768	28	354	14	368	456	484	85,758	70,540	3	0	0	0	0	10
11	2560.45	170,179	85,799	26	353	14	367	424	446	85,811	70,593	3	0	0	0	0	11
12	2560.47	170,298	85,859	23	361	14	375	458	448	85,861	70,643	3	0	0	0	0	12
13	2560.50	170,478	85,949	25	333	14	347	462	453	85,942	70,724	3	0	0	0	0	13
14	2560.52	170,597	86,009	26	339	14	353	439	439	86,002	70,784	3	0	0	0	0	14
15	2560.53	170,657	86,040	25	347	13	360	416	429	86,046	70,828	3	0	0	0	0	15
16	2560.54	170,717	86,070	37	350	14	364	431	463	86,108	70,890	4	0	0	0	0	16
17	2560.59	171,017	86,221	26	351	15	366	543	479	86,195	70,977	3	0	0	0	0	17
18	2560.61	171,137	86,282	28	362	13	375	464	501	86,293	71,075	3	0	0	0	0	18
19	2560.65	171,378	86,403	26	336	13	349	496	480	86,398	71,180	3	0	0	0	0	19
20	2560.68	171,559	86,494	39	337	14	351	481	467	86,475	71,257	5	0	0	0	0	20
21	2560.70	171,679	86,555	39	311	13	324	424	448	86,560	71,342	5	0	0	0	0	21
22	2560.73	171,860	86,646	23	312	13	325	439	442	86,654	71,436	3	0	0	0	0	22
23	2560.77	172,100	86,767	26	300	15	315	462	464	86,777	71,559	3	0	0	0	0	23
24	2560.82	172,402	86,919	23	304	13	317	492	486	86,923	71,705	3	0	0	0	0	24
25	2560.86	172,643	87,041	34	335	13	348	504	481	87,022	71,804	4	0	0	0	0	25
26	2560.88	172,764	87,102	39	332	14	346	446	467	87,104	71,886	5	0	0	0	0	26
27	2560.91	172,946	87,194	35	308	15	323	450	443	87,189	71,971	4	0	0	0	0	27
28	2560.93	173,067	87,255	39	321	13	334	434	439	87,255	72,037	5	0	0	0	0	28
29	2560.93	173,067	87,255	35	324	13	337	372	372	87,255	72,037	4	0	0	0	0	28
TOTAL SECOND FOOT DAYS				804	10,186	396	10,582	13,295	13,295	87,255	72,037	96	0	0	0	0	
TOTAL ACRE-FEET				1,595	20,204	785	20,989	26,370	26,370	173,067	142,883	190	0	0	0	0	

By: MC Date: March 27, 2020

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

FEBRUARY 2020

NORTH KERN WATER STORAGE DISTRICT

DAY	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day	608	461	13	14	40,840
1	446	385	13	14	40,874
2	462	415	13	14	40,894
3	463	396	14	11	40,936
4	475	388	15	11	40,997
5	466	368	14	11	41,070
6	465	323	13	14	41,185
7	441	320	13	15	41,278
8	473	317	14	15	41,405
9	473	323	13	15	41,527
10	484	320	14	17	41,660
11	446	322	14	15	41,755
12	448	327	14	14	41,848
13	453	294	14	16	41,977
14	439	298	14	15	42,089
15	429	301	13	16	42,188
16	463	305	14	22	42,310
17	479	304	15	15	42,455
18	501	362	13	17	42,564
19	480	336	13	17	42,678
20	467	337	14	24	42,770
21	448	311	13	24	42,870
22	442	312	13	14	42,973
23	464	300	15	17	43,105
24	486	282	13	14	43,282
25	481	284	13	21	43,445
26	467	281	14	24	43,593
27	443	258	15	22	43,741
28	439	275	13	24	43,868
29	372	265	13	22	43,940
S.F.D.	13,295	9,309	396	490	43,940
AC.FT.	26,370	18,465	785	971	87,154

TOTAL ACRE-FOOT STORAGE DAYS 2,287,417

BUENA VISTA WATER STORAGE DISTRICT

DAY	ENT'L AT 1ST POINT	FLOW KDWD	FLOW VIA RRWSD	FLOW VIA CWD	FLOW KWB	FLOW AT 2ND POINT	FLOW ABOVE 1ST PT. CARMEL La HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day	0	0	0	0	0	0	0	6	20,961
1	0	0	0	0	0	0	0	7	20,954
2	0	0	0	0	0	0	0	7	20,947
3	0	0	0	0	0	0	0	5	20,942
4	0	0	0	0	0	0	0	6	20,936
5	0	0	0	0	0	0	0	5	20,931
6	0	0	0	0	0	0	0	7	20,924
7	0	0	0	0	0	0	0	8	20,916
8	0	0	0	0	0	0	0	8	20,908
9	0	0	0	0	0	0	0	8	20,900
10	0	0	0	0	0	0	0	8	20,892
11	0	0	0	0	0	0	0	8	20,884
12	0	0	0	0	0	0	0	7	20,877
13	0	0	0	0	0	0	0	7	20,870
14	0	0	0	0	0	0	0	8	20,862
15	0	0	0	0	0	0	0	7	20,855
16	0	0	0	0	0	0	0	11	20,844
17	0	0	0	0	0	0	0	8	20,836
18	0	0	0	0	0	0	0	8	20,828
19	0	0	0	0	0	0	0	7	20,821
20	0	0	0	0	0	0	0	11	20,810
21	0	0	0	0	0	0	0	11	20,799
22	0	0	0	0	0	0	0	7	20,792
23	0	0	0	0	0	0	0	7	20,785
24	0	0	0	0	0	0	0	7	20,778
25	0	0	0	0	0	0	0	10	20,768
26	0	0	0	0	0	0	0	11	20,757
27	0	0	0	0	0	0	0	10	20,747
28	0	0	0	0	0	0	0	11	20,736
29	0	0	0	0	0	0	0	10	20,726
S.F.D.	0	0	0	0	0	0	0	235	20,726
AC.FT.	0	0	0	0	0	0	0	467	41,109

TOTAL ACRE-FOOT STORAGE DAYS 1,199,256

HACIENDA WATER DISTRICT

DAY	ENTITLEMENT Contributed by: NKWSD	ENTITLEMENT Contributed by: BVWSD	FLOW FOR ID#4	FLOW FOR KCWA	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day			52	0	2	8,327
1			36	0	2	8,289
2			32	0	2	8,255
3			19	0	2	8,234
4			36	0	2	8,196
5			30	0	2	8,164
6			30	0	2	8,132
7			35	0	3	8,094
8			33	0	3	8,058
9			30	0	3	8,025
10			34	0	3	7,988
11			31	0	3	7,954
12			34	0	2	7,918
13			39	0	2	7,877
14			41	0	3	7,833
15			46	0	2	7,785
16			45	0	4	7,736
17			47	0	3	7,686
18			0	0	3	7,683
19			0	0	2	7,681
20			0	0	4	7,677
21			0	0	4	7,673
22			0	0	2	7,671
23			0	0	2	7,669
24			22	0	2	7,645
25			51	0	3	7,591
26			51	0	4	7,536
27			50	0	3	7,483
28			46	0	4	7,433
29			59	0	3	7,371
S.F.D.			877	0	79	7,371
AC.FT.			1,739	0	157	14,620

TOTAL ACRE-FOOT STORAGE DAYS 450,916

FEBRUARY 2020
*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	2.6	1985-86	3.58
1950-51	0.18	1986-87	2.03
1951-52	0.37	1987-88	0.40
1952-53	0.04	1988-89	2.24
1953-54	2.26	1989-90	1.00
1954-55	1.05	1990-91	1.17
1955-56	0.26	1991-92	3.10
1956-57	0.96	1992-93	4.15
1957-58	4.45	1993-94	3.10
1958-59	1.54	1994-95	1.35
1959-60	6.48	1995-96	5.03
1960-61	0.01	1996-97	0.13
1961-62	5.35	1997-98	10.60
1962-63	3.06	1998-99	0.51
1963-64	0.07	1999-00	3.98
1964-65	0.27	2000-01	3.16
1965-66	0.75	2001-02	0.32
1966-67	0.02	2002-03	1.70
1967-68	0.85	2003-04	3.04
1968-69	6.12	2004-05	0.99
1969-70	0.54	2005-06	1.38
1970-71	0.37	2006-07	1.84
1971-72	0.39	2007-08	5.96
1972-73	2.57	2008-09	2.25
1973-74	0.09	2009-10	2.96
1974-75	1.82	2010-11	1.23
1975-76	1.25	2011-12	0.41
1976-77	1.04	2012-13	0.19
1977-78	7.44	2013-14	1.10
1978-79	3.22	2014-15	1.59
1979-80	4.32	2015-16	0.39
1980-81	1.49	2016-17	3.56
1981-82	1.15	2017-18	0.01
1982-83	4.36	2018-19	5.04
1983-84	1.13	**2019-20**	**0.13**
1984-85	1.16		

February Average= 2.09 inches
Maximum = 10.60 inches (1997-1998)
Minimum = .01 inches (2017-2018)
Daily Maximum = 3.58 inches on 02-03-2008
2019-2020 tied for 6th driest February (1949-To Date)

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

MARCH 2020

	ISABELLA RESERVOIR									MEAN STORAGE				SECOND POINT GROUP FLOW			
	ELEVATION	MIDNIGHT STORAGE			FLOW AT 1ST	FLOW ABOVE	FIRST POINT REGULATED	CHANGE IN STORAGE+LOSS +1ST POINT REGULATED	COMPUTED 1ST POINT NATURAL	Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)		KERN COUNTY RECREATION	TOTAL FLOW AT SECOND	AT 2ND POINT		FRIANT-KERN	
DAY	(FEET)	ACRE-FEET	S.F.D.	LOSS	POINT	1ST POINT	FLOW	FLOW	FLOW	TOTAL	IRRIGATION	POOL LOSS	POINT	KERN RIVER	FRIANT-KERN	INFLOW	DAY
Previous Day	2560.93	173,067	87,255	35	324	13	337	372	372	87,255	72,037	4	0	0	0	0	
1	2560.97	173,309	87,377	27	341	16	357	506	483	87,354	72,136	3	0	0	0	0	1
2	2560.99	173,430	87,438	24	338	14	352	437	482	87,460	72,242	3	0	0	0	0	2
3	2561.03	173,672	87,560	34	334	13	347	503	459	87,538	72,320	4	0	0	0	0	3
4	2561.05	173,793	87,621	36	326	15	341	438	456	87,617	72,399	4	0	0	0	0	4
5	2561.07	173,914	87,682	34	320	13	333	428	443	87,693	72,475	4	0	0	0	0	5
6	2561.10	174,097	87,774	34	322	14	336	462	446	87,769	72,551	4	0	0	0	0	6
7	2561.13	174,279	87,866	27	315	14	329	448	464	87,877	72,659	3	0	0	0	0	7
8	2561.17	174,522	87,988	28	317	15	332	482	461	87,978	72,760	3	0	0	0	0	8
9	2561.20	174,705	88,080	26	322	14	336	454	490	88,106	72,888	3	0	0	0	0	9
10	2561.26	175,069	88,264	26	308	15	323	533	485	88,242	73,024	3	0	0	0	0	10
11	2561.30	175,313	88,387	21	311	13	324	468	507	88,404	73,186	2	0	0	0	0	11
12	2561.35	175,619	88,541	21	329	15	344	519	517	88,556	73,338	2	0	0	0	0	12
13	2561.41	175,986	88,726	19	348	13	361	565	528	88,704	73,486	2	0	0	0	0	13
14	2561.45	176,231	88,850	26	337	14	351	501	520	88,847	73,629	3	0	0	0	0	14
15	2561.49	176,476	88,973	29	325	14	339	491	514	88,993	73,775	3	0	0	0	0	15
16	2561.55	176,842	89,158	17	335	14	349	551	515	89,142	73,924	2	0	0	0	0	16
17	2561.59	177,088	89,282	23	340	17	357	504	482	89,244	74,026	3	0	0	0	0	17
18	2561.59	177,088	89,282	23	353	14	367	390	479	89,333	74,115	3	0	0	0	0	18
19	2561.65	177,457	89,468	21	323	14	337	544	477	89,452	74,234	2	0	0	0	0	19
20	2561.69	177,703	89,592	24	333	15	348	496	497	89,577	74,359	3	0	0	0	0	20
21	2561.72	177,888	89,685	21	323	14	337	451	514	89,733	74,515	2	0	0	0	0	21
22	2561.79	178,318	89,902	30	334	15	349	596	550	89,904	74,686	3	0	0	0	0	22
23	2561.86	178,750	90,120	24	348	14	362	604	576	90,094	74,876	3	0	0	0	0	23
24	2561.92	179,121	90,307	21	305	14	319	527	562	90,316	75,098	2	0	0	0	0	24
25	2561.98	179,493	90,494	21	331	15	346	554	468	90,417	75,199	2	0	0	0	0	25
26	2561.97	179,431	90,463	23	315	15	330	322	479	90,543	75,325	3	0	0	0	0	26
27	2562.03	179,801	90,650	28	332	14	346	561	435	90,604	75,386	3	0	0	0	0	27
28	2562.05	179,925	90,712	25	322	14	336	423	497	90,740	75,522	3	0	0	0	0	28
29	2562.10	180,236	90,869	21	315	14	329	507	460	90,850	75,632	2	0	0	0	0	29
30	2562.13	180,422	90,963	32	309	15	324	450	469	90,963	75,745	4	0	0	0	0	30
31	2562.14	180,484	90,994	35	332	15	347	413	413	90,994	75,776	4	0	0	0	0	31
TOTAL SECOND FOOT DAYS				801	10,143	445	10,588	15,128	15,128	90,994	75,776	90	0	0	0	0	
TOTAL ACRE-FEET				1,589	20,118	882	21,000	30,006	30,006	180,484	150,300	179	0	0	0	0	

By: MC

Date: April 30, 2020

MARCH 2020

	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	FLOW AT 2ND POINT	FLOW ABOVE 1ST PT. CARMEL La HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE	ENTITLEMENT Contributed by: NKWSD	ENTITLEMENT Contributed by: BVWSD	FLOW For ID4	FLOW VIA PIO. P.	RESERVOIR LOSS	RESERVOIR STORAGE	
DAY																			DAY
Previous Day	372	265	13	22	43,940	0	0	0	0	0	10	20,726			59	0	3	7,371	
1	425	288	16	17	44,044	58	0	0	0	0	8	20,776			53	0	2	7,316	1
2	424	285	14	15	44,154	58	0	0	0	0	7	20,827			53	0	2	7,261	2
3	408	280	13	21	44,248	51	0	0	0	0	10	20,868			54	0	3	7,204	3
4	406	269	15	23	44,347	50	0	0	0	0	10	20,908			57	0	3	7,144	4
5	398	264	13	21	44,447	45	0	0	0	0	10	20,943			56	0	3	7,085	5
6	400	263	14	21	44,549	46	0	0	0	0	10	20,979			59	0	3	7,023	6
7	412	263	14	17	44,667	52	0	0	0	0	8	21,023			52	0	2	6,969	7
8	410	264	15	18	44,780	51	0	0	0	0	8	21,066			53	0	2	6,914	8
9	430	265	14	17	44,914	60	0	0	0	0	7	21,119			57	0	2	6,855	9
10	426	273	15	17	45,035	59	0	0	0	0	7	21,171			35	0	2	6,818	10
11	441	283	13	13	45,167	66	0	0	0	0	6	21,231			28	0	2	6,788	11
12	448	306	15	13	45,281	69	0	0	0	0	6	21,294			23	0	2	6,763	12
13	455	294	13	12	45,417	73	0	0	0	0	5	21,362			54	0	2	6,707	13
14	450	289	14	17	45,547	70	0	0	0	0	7	21,425			48	0	2	6,657	14
15	446	284	14	19	45,676	68	0	0	0	0	8	21,485			41	0	2	6,614	15
16	447	290	14	11	45,808	68	0	0	0	0	5	21,548			45	0	1	6,568	16
17	424	303	17	14	45,898	58	0	0	0	0	7	21,599			37	0	2	6,529	17
18	422	310	14	14	45,982	57	0	0	0	0	7	21,649			43	0	2	6,484	18
19	421	285	14	13	46,091	56	0	0	0	0	6	21,699			38	0	2	6,444	19
20	434	293	15	15	46,202	63	0	0	0	0	7	21,755			40	0	2	6,402	20
21	446	291	14	13	46,330	68	0	0	0	0	6	21,817			32	0	2	6,368	21
22	470	295	15	19	46,471	80	0	0	0	0	9	21,888			39	0	2	6,327	22
23	488	305	14	15	46,625	88	0	0	0	0	7	21,969			43	0	2	6,282	23
24	479	268	14	13	46,809	83	0	0	0	0	6	22,046			37	0	2	6,243	24
25	415	291	15	13	46,905	53	0	0	0	0	6	22,093			40	0	2	6,201	25
26	422	289	15	14	47,009	57	0	0	0	0	7	22,143			26	0	2	6,173	26
27	392	290	14	18	47,079	43	0	0	0	0	8	22,178			42	0	2	6,129	27
28	434	285	14	16	47,198	63	0	0	0	0	7	22,234			37	0	2	6,090	28
29	409	271	14	13	47,309	51	0	0	0	0	6	22,279			44	0	2	6,044	29
30	415	278	15	21	47,410	54	0	0	0	0	9	22,324			31	0	2	6,011	30
31	377	298	15	23	47,451	36	0	0	0	0	10	22,350			34	0	2	5,975	31
S.F.D.	13,274	8,812	445	506	47,451	1,854	0	0	0	0	230	22,350			1,331	0	65	5,975	S.F.D.
AC.FT.	26,329	17,478	882	1,004	94,119	3,677	0	0	0	0	456	44,330			2,640	0	129	11,851	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 2,814,247

TOTAL ACRE-FOOT STORAGE DAYS 1,325,053

TOTAL ACRE-FOOT STORAGE DAYS 405,397

MARCH 2020

WATERMASTER NOTES *** KERN RIVER BULLETIN

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

SOUTH FORK KERN RIVER Nr. ONYX

2018-2019 WATER YEAR

Discharge in cubic feet per second

Whole Year Runoff (AcFt) = 209,055

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4	9	31	21	49	157	321	1607	612	262	66	27
2	4	10	24	18	96	498	368	1478	616	247	64	26
3	5	10	22	20	162	577	382	1435	616	232	62	30
4	5	10	21	21	140	363	387	1426	612	218	60	32
5	5	12	23	21	124	412	413	1439	679	207	58	35
6	6	11	37	22	95	1801	427	1393	714	202	55	40
7	6	11	36	27	82	820	449	1298	721	195	53	38
8	6	14	31	27	71	570	535	1246	690	188	54	40
9	6	13	27	23	70	426	717	1231	658	179	53	35
10	6	13	24	21	65	360	791	1519	633	170	49	32
11	6	13	24	20	51	308	762	1403	609	158	48	30
12	6	12	24	20	55	280	717	1165	600	149	48	29
13	6	10	23	21	84	274	685	1116	592	139	48	28
14	6	10	22	20	645	230	783	1121	588	130	47	28
15	7	11	22	25	514	208	955	1108	575	122	47	27
16	7	12	21	27	298	202	1084	1163	557	117	43	26
17	7	11	22	352	219	200	1078	1249	583	111	42	26
18	7	12	23	217	165	212	1091	1025	581	106	41	27
19	7	11	22	116	140	234	1230	965	545	101	40	27
20	0	11	22	83	130	259	1328	942	506	96	39	28
21	0	11	22	72	119	260	1394	842	478	91	38	29
22	0	12	24	59	99	244	1584	779	450	87	38	28
23	0	17	26	50	92	248	1546	741	427	85	37	28
24	0	17	24	47	91	251	1566	706	395	86	36	27
25	0	19	28	43	91	253	1711	685	373	103	36	26
26	0	20	34	40	94	265	1820	679	351	107	33	26
27	0	22	24	40	101	270	1886	671	332	108	31	26
28	0	22	23	42	132	285	1868	668	307	90	30	26
29	0	35	20	44		286	1848	639	291	79	29	27
30	0	49	22	46		287	1751	628	276	73	29	28
31	0		24	48		296		620		68	28	
TOTAL	112	450	772	1653	4074	11336	31477	32987	15967	4306	1382	882
MAX. DAY	7	49	37	352	645	1801	1886	1607	721	262	66	40
MIN. DAY	0	9	20	18	49	157	321	620	276	68	28	26
MEAN	4	15	25	53	146	366	1049	1064	532	139	45	29
TOTAL AcFt	222	893	1531	3279	8081	22485	62434	65429	31670	8541	2741	1749

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

APRIL 2020

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	2562.14	180,484	90,994	35	332	15	347	413	413	90,994	75,776	4	0	0	0	0	
1	2562.14	180,484	90,994	35	331	15	346	381	420	91,033	75,815	4	0	0	0	0	1
2	2562.16	180,609	91,057	44	375	15	390	497	413	91,012	75,794	5	9	9	0	0	2
3	2562.13	180,422	90,963	40	401	15	416	362	471	91,027	75,809	4	32	32	0	0	3
4	2562.16	180,609	91,057	44	401	14	415	553	483	91,051	75,833	5	29	29	0	0	4
5	2562.18	180,733	91,120	32	425	15	440	535	599	91,178	75,960	4	30	30	0	0	5
6	2562.26	181,230	91,370	14	433	13	446	710	699	91,417	76,199	2	30	30	0	0	6
7	2562.38	181,979	91,748	19	441	13	454	851	804	91,748	76,530	2	42	42	0	0	7
8	2562.60	183,355	92,442	6	485	14	499	1,199	1,199	92,442	77,224	1	47	47	0	0	8
9	2562.73	184,173	92,854	11	514	15	529	952	952	92,854	77,636	1	52	52	0	0	9
10	2562.81	184,675	93,107	25	489	15	504	782	791	93,116	77,898	3	55	55	0	0	10
11	2562.90	185,243	93,393	32	475	15	490	808	782	93,376	78,158	3	50	50	0	0	11
12	2562.98	185,749	93,649	37	450	14	464	757	877	93,752	78,534	4	44	44	0	0	12
13	2563.15	186,826	94,191	36	469	17	486	1,064	915	94,145	78,927	4	10	10	0	0	13
14	2563.28	187,651	94,607	41	454	13	467	924	951	94,588	79,370	4	0	0	0	0	14
15	2563.35	188,097	94,832	45	579	15	594	864	963	94,912	79,694	5	0	0	0	0	15
16	2563.48	188,928	95,251	52	616	14	630	1,101	1,025	95,255	80,037	5	0	0	0	0	16
17	2563.60	189,695	95,638	16	693	15	708	1,111	1,098	95,629	80,411	2	0	0	0	0	17
18	2563.71	190,401	95,994	24	687	15	702	1,082	1,057	95,960	80,742	2	0	0	0	0	18
19	2563.78	190,850	96,220	34	704	14	718	978	1,032	96,240	81,022	3	0	0	0	0	19
20	2563.86	191,365	96,480	36	723	16	739	1,035	991	96,456	81,238	4	0	0	0	0	20
21	2563.92	191,752	96,675	36	713	17	730	961	979	96,669	81,451	4	0	0	0	0	21
22	2563.97	192,075	96,838	42	722	14	736	941	969	96,860	81,642	4	0	0	0	0	22
23	2564.03	192,461	97,032	44	751	16	767	1,005	1,016	97,065	81,847	4	0	0	0	0	23
24	2564.10	192,915	97,261	53	805	15	820	1,102	1,130	97,322	82,104	5	0	0	0	0	24
25	2564.23	193,758	97,686	57	787	14	801	1,283	1,250	97,714	82,496	6	0	0	0	0	25
26	2564.39	194,798	98,211	53	773	14	787	1,365	1,402	98,276	83,058	5	0	0	0	0	26
27	2564.58	196,037	98,835	57	862	16	878	1,559	1,491	98,832	83,614	6	0	0	0	0	27
28	2564.76	197,216	99,430	57	884	14	898	1,550	1,615	99,492	84,274	6	0	0	0	0	28
29	2564.98	198,664	100,160	54	937	14	951	1,735	1,673	100,160	84,942	5	0	0	0	0	29
30	2565.22	200,249	100,959	58	933	16	949	1,806	1,806	100,959	85,741	6	0	0	0	0	30
TOTAL SECOND FOOT DAYS				1,134	18,312	442	18,754	29,853	29,853	100,959	85,741	118	430	430	0	0	
TOTAL ACRE-FEET				2,249	36,322	877	37,199	59,213	59,213	200,249	170,065	234	853	853	0	0	

By: MC Date: May 29, 2020

APRIL 2020

NORTH KERN WATER STORAGE DISTRICT

DAY	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day	377	298	15	23	47,451
1	382	331	15	23	47,464
2	377	366	15	28	47,432
3	417	369	15	25	47,440
4	425	372	14	28	47,451
5	504	395	15	21	47,524
6	572	403	13	9	47,671
7	644	399	13	12	47,891
8	913	438	14	4	48,348
9	745	462	15	7	48,609
10	635	434	15	16	48,779
11	629	425	15	21	48,947
12	693	406	14	23	49,197
13	719	459	17	23	49,417
14	744	454	13	26	49,668
15	752	579	15	29	49,797
16	794	616	14	33	49,928
17	844	693	15	10	50,054
18	816	687	15	15	50,153
19	799	704	14	22	50,212
20	771	723	16	23	50,221
21	763	713	17	23	50,231
22	756	722	14	26	50,225
23	788	751	16	28	50,218
24	866	805	15	34	50,230
25	948	787	14	35	50,342
26	1,051	773	14	33	50,573
27	1,112	862	16	35	50,772
28	1,197	884	14	35	51,036
29	1,236	937	14	34	51,287
30	1,327	933	16	36	51,629
S.F.D.	23,219	17,882	442	717	51,629
AC.FT.	46,055	35,469	877	1,423	102,405

TOTAL ACRE-FOOT STORAGE DAYS 2,940,982

BUENA VISTA WATER STORAGE DISTRICT

DAY	ENT'L AT 2ND POINT	FLOW State/MET VIA CWD	FLOW State/MET VIA KDWD	FLOW State/MET AT 2ND POINT	FLOW ABOVE 1ST PT. CARMEL La HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day	36	0	0	0	0	10	22,350
1	38	0	0	0	0	10	22,378
2	36	0	0	9	0	13	22,392
3	54	0	0	32	0	12	22,402
4	58	0	0	29	0	13	22,418
5	95	0	0	30	0	9	22,474
6	127	0	0	30	0	4	22,567
7	160	0	0	42	0	6	22,679
8	286	0	0	47	0	2	22,916
9	207	0	0	52	0	3	23,068
10	156	0	0	55	0	7	23,162
11	153	0	0	50	0	9	23,256
12	184	0	0	44	0	11	23,385
13	196	0	0	10	0	11	23,560
14	207	0	0	0	0	12	23,755
15	211	0	0	0	0	13	23,953
16	231	0	0	0	0	15	24,169
17	254	0	0	0	0	5	24,418
18	241	0	0	0	0	7	24,652
19	233	0	0	0	0	10	24,875
20	220	0	0	0	0	11	25,084
21	216	0	0	0	0	11	25,289
22	213	0	0	0	0	13	25,489
23	228	0	0	0	0	13	25,704
24	264	0	0	0	0	16	25,952
25	302	0	0	0	0	18	26,236
26	351	0	0	0	0	17	26,570
27	379	0	0	0	0	18	26,931
28	418	0	0	0	0	18	27,331
29	437	0	0	0	0	17	27,751
30	479	0	0	0	0	18	28,212
S.F.D.	6,634	0	0	430	0	342	28,212
AC.FT.	13,158	0	0	853	0	678	55,957

TOTAL ACRE-FOOT STORAGE DAYS 1,453,939

HACIENDA WATER DISTRICT

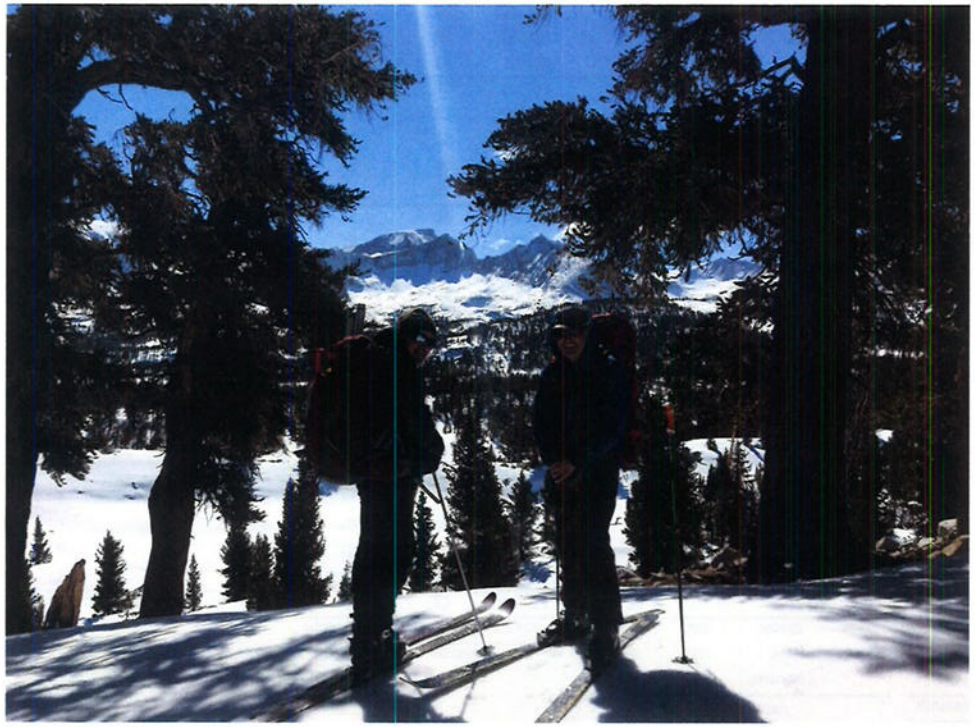
DAY	ENTITLEMENT Contributed by: NKWSD	ENTITLEMENT Contributed by: BVWSD	FLOW For ID#4	FLOW VIA Pio. Pro.	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day	0	0	34	0	2	5,975
1			0	0	2	5,973
2			0	0	3	5,970
3			0	0	3	5,967
4			0	0	3	5,964
5			0	0	2	5,962
6			0	0	1	5,961
7			0	0	1	5,960
8			0	0	0	5,960
9			0	0	1	5,959
10			0	0	2	5,957
11			0	0	2	5,955
12			0	0	3	5,952
13			0	0	2	5,950
14			0	0	3	5,947
15			0	0	3	5,944
16			0	0	4	5,940
17			0	0	1	5,939
18			0	0	2	5,937
19			0	0	2	5,935
20			0	0	2	5,933
21			0	0	2	5,931
22			0	0	3	5,928
23			0	0	3	5,925
24			0	0	3	5,922
25			0	0	4	5,918
26			0	0	3	5,915
27			0	0	4	5,911
28			0	0	4	5,907
29			0	0	3	5,904
30			0	0	4	5,900
S.F.D.			0	0	75	5,900
AC.FT.			0	0	148	11,703

TOTAL ACRE-FOOT STORAGE DAYS 353,506

APRIL 2020

WATERMASTER NOTES *** KERN RIVER BULLETIN

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



Sierra Snow Survey Crew conducting the April 1 Snow Survey in the Kern River Basin
Courtesy of Dan Garrigue

KERN RIVER BASIN

APRIL 1, 2020 WATER CONTENT IN INCHES

	SWE	APRIL 1 AVERAGE
BIGHORN PLATEAU	12.0	55%
COTTONWOOD PASS	11.5	79%
SIBERIAN PASS	11.0	58%
CREABTREE MEADOW	10.0	52%
GUYOT FLAT	11.0	54%
SANDY MEADOWS	8.0	43%
TYNDALL CREEK	10.0	53%
BIG WHITNEY MEADOW	9.5	57%
ROCK CREEK	6.5	37%
ROUND MEADOW	NA	NA
RAMSHAW MEADOW	6.0	53%
LITTLE WHITNEY MEADOW	5.0	37%
CASA VIEJA MEADOWS	NA	NA
QUINN RANGER STATION	4.0	21%
BEACH MEADOWS	NA	NA
BONITA MEADOWS	NA	NA
DEAD HORSE MEADOW	NA	NA

APRIL 1: 50%

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

MAY 2020

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	2565.22	200,249	100,959	58	933	16	949	1,806	1,806	100,959	85,741	6	0	0	0	0	
1	2565.50	202,109	101,897	63	936	15	951	1,952	1,959	101,904	86,686	6	0	0	0	0	1
2	2565.78	203,978	102,839	69	958	5	963	1,974	1,901	102,773	87,555	6	0	0	0	0	2
3	2566.03	205,656	103,685	50	877	3	880	1,776	1,825	103,668	88,450	5	0	0	0	0	3
4	2566.25	207,142	104,434	58	916	3	919	1,726	1,693	104,384	89,166	5	0	0	0	0	4
5	2566.40	208,157	104,946	68	978	18	996	1,576	1,614	104,934	89,716	6	0	0	0	0	5
6	2566.55	209,174	105,459	61	951	16	967	1,541	1,589	105,495	90,277	6	0	0	0	0	6
7	2566.70	210,197	105,974	65	1,049	19	1,068	1,648	1,624	105,986	90,768	6	0	0	0	0	7
8	2566.86	211,289	106,525	81	1,027	24	1,051	1,683	1,693	106,547	91,329	7	0	0	0	0	8
9	2567.06	212,660	107,216	77	956	23	979	1,747	1,707	107,198	91,980	7	0	0	0	0	9
10	2567.24	213,899	107,841	79	963	24	987	1,691	1,684	107,816	92,598	7	0	0	0	0	10
11	2567.37	214,796	108,293	81	1,059	23	1,082	1,615	1,626	108,279	93,061	7	0	0	0	0	11
12	2567.49	215,626	108,712	80	1,046	26	1,072	1,571	1,501	108,628	93,410	7	0	0	0	0	12
13	2567.55	216,041	108,921	52	1,031	24	1,055	1,316	1,419	108,940	93,722	5	0	0	0	0	13
14	2567.67	216,875	109,341	56	869	26	895	1,371	1,297	109,286	94,068	5	0	0	0	0	14
15	2567.77	217,569	109,691	60	770	23	793	1,203	1,286	109,719	94,501	5	0	0	0	0	15
16	2567.81	218,546	110,184	52	717	23	740	1,285	1,274	110,201	94,983	4	26	0	0	0	16
17	2568.06	219,594	110,712	70	714	23	737	1,335	1,321	110,715	95,497	6	30	0	0	0	17
18	2568.21	220,647	111,243	32	757	24	781	1,344	1,360	111,262	96,044	3	31	0	0	0	18
19	2568.38	221,841	111,845	36	740	24	764	1,402	1,353	111,815	96,597	3	31	0	0	0	19
20	2568.52	222,828	112,343	57	733	25	758	1,313	1,304	112,304	97,086	5	56	0	0	0	20
21	2568.63	223,606	112,735	65	715	25	740	1,197	1,198	112,697	97,479	5	55	0	0	0	21
22	2568.71	224,173	113,021	69	704	24	728	1,083	1,093	112,993	97,775	6	63	0	0	0	22
23	2568.77	224,598	113,235	71	690	24	714	999	1,020	113,228	98,010	6	73	0	0	0	23
24	2568.82	224,953	113,414	74	701	24	725	978	988	113,417	98,199	6	71	0	0	0	24
25	2568.85	225,166	113,521	86	769	26	795	988	1,000	113,536	98,318	7	72	0	0	0	25
26	2568.87	225,308	113,593	88	849	24	873	1,033	1,092	113,667	98,449	7	69	0	0	0	26
27	2568.94	225,807	113,844	92	889	24	913	1,256	1,206	113,868	98,650	8	71	0	0	0	27
28	2569.03	226,447	114,167	92	889	24	913	1,328	1,301	114,164	98,946	8	86	0	0	0	28
29	2569.12	227,089	114,491	94	871	30	901	1,319	1,276	114,445	99,227	8	90	0	0	0	29
30	2569.19	227,590	114,743	74	830	26	856	1,182	1,228	114,743	99,525	6	88	0	0	0	30
31	2569.23	227,876	114,888	64	870	24	894	1,103	1,103	114,888	99,670	5	89	0	0	0	31
TOTAL SECOND FOOT DAYS				2,116	26,824	666	27,490	43,535	43,535	114,888	99,670	183	1,001	0	0	0	
TOTAL ACRE-FEET				4,197	53,205	1,321	54,526	86,350	86,350	227,876	197,692	363	1,985	0	0	0	

By: MC Date: June 30, 2020

MAY 2020

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT							HACIENDA WATER DISTRICT							
							FLOW STATE/MET			FLOW ABOVE 1ST PT. CARMEL			ENTITLEMENT		FLOW				
DAY	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	RESERVOIR LOSS	RESERVOIR STORAGE	ENT'L AT 2ND POINT	VIA CWD	VIA KDWD	AT 2ND POINT	La HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE	Contributed by: NKWSD	Contributed by: BVWSD	FOR ID#4	VIA PIO. PRO.	RESERVOIR LOSS	RESERVOIR STORAGE	DAY
Previous Day	1,327	933	16	36	51,629	479	0	0	0	0	18	28,212			0	0	4	5,900	
1	1,431	936	15	39	52,070	528	0	0	0	0	20	28,720			0	0	4	5,896	1
2	1,392	958	5	43	52,456	509	0	0	0	0	22	29,207			0	0	4	5,892	2
3	1,340	876	3	31	52,886	485	0	1	0	0	16	29,675			0	0	3	5,889	3
4	1,250	914	3	35	53,184	443	0	2	0	0	19	30,097			0	0	4	5,885	4
5	1,196	977	18	42	53,343	418	0	1	0	0	22	30,492			0	0	4	5,881	5
6	1,179	950	16	37	53,519	410	0	1	0	0	20	30,881			0	0	4	5,877	6
7	1,203	1,045	19	39	53,619	421	0	4	0	0	22	31,276			0	0	4	5,873	7
8	1,250	1,022	24	49	53,774	443	0	5	0	0	27	31,687			0	0	5	5,868	8
9	1,259	952	23	47	54,011	448	0	4	0	0	26	32,105			0	0	4	5,864	9
10	1,244	959	24	47	54,225	440	0	4	0	0	27	32,514			0	0	5	5,859	10
11	1,204	1,055	23	48	54,303	422	0	4	0	0	28	32,904			0	0	5	5,854	11
12	1,119	1,044	26	47	54,305	382	0	2	0	0	28	33,256			0	0	5	5,849	12
13	1,063	991	24	31	54,322	356	33	7	0	0	18	33,554			0	0	3	5,846	13
14	980	830	26	33	54,413	317	33	6	0	0	20	33,812			0	0	3	5,843	14
15	972	731	23	36	54,595	314	33	6	0	0	21	34,066			0	0	3	5,840	15
16	964	649	23	31	54,856	310	33	9	26	0	18	34,290			0	0	3	5,837	16
17	996	640	23	41	55,148	325	33	11	30	0	25	34,516			0	0	4	5,833	17
18	1,023	684	24	19	55,444	337	33	9	31	0	11	34,769			0	0	2	5,831	18
19	1,018	701	24	21	55,716	335	0	8	31	0	13	35,052			0	0	2	5,829	19
20	985	669	25	34	55,973	319	0	8	56	0	20	35,287			0	0	3	5,826	20
21	912	649	25	38	56,173	286	0	11	55	0	23	35,484			0	0	4	5,822	21
22	841	629	24	41	56,320	252	0	12	63	0	24	35,637			0	0	4	5,818	22
23	791	608	24	42	56,437	229	0	9	73	0	25	35,759			0	0	4	5,814	23
24	769	619	24	44	56,519	219	0	11	71	0	26	35,870			0	0	4	5,810	24
25	777	689	26	50	56,531	223	0	8	72	0	31	35,982			0	0	5	5,805	25
26	840	771	24	52	56,524	252	0	9	69	0	31	36,125			0	0	5	5,800	26
27	918	737	24	54	56,627	288	72	9	71	0	33	36,228			0	0	5	5,795	27
28	983	722	24	54	56,810	318	72	9	86	0	33	36,346			0	0	5	5,790	28
29	966	698	30	55	56,993	310	72	11	90	0	34	36,449			0	0	5	5,785	29
30	933	655	26	44	57,201	295	72	15	88	0	26	36,543			0	0	4	5,781	30
31	848	697	24	38	57,290	255	72	12	89	0	23	36,602			0	0	3	5,778	31
S.F.D.	32,646	25,057	666	1,262	57,290	10,889	558	208	1,001	0	732	36,602			0	0	122	5,778	S.F.D.
AC.FT.	64,752	49,700	1,321	2,504	113,632	21,598	1,107	413	1,985	0	1,451	72,599			0	0	242	11,461	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 3,382,980

TOTAL ACRE-FOOT STORAGE DAYS 2,073,093

TOTAL ACRE-FOOT STORAGE DAYS 358,949

MAY 2020

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 Maginitude

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	1976	47,151	108,754	23%	43.36%	
6	**2020**	**86,350**	**200,000**	**44%**	**43.18%**	**(est)**
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	219,693	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	1988	58,350	162,043	35%	36.01%	
50	1972	45,965	127,720	28%	35.99%	
51	1948	86,108	239,980	52%	35.88%	
52	1904	113,205	316,646	68%	35.75%	
53	1987	75,108	211,408	46%	35.53%	
54	1968	87,991	248,319	54%	35.43%	
55	1927	184,721	521,717	113%	35.41%	
56	1969	617,968	1,747,874	377%	35.36%	
57	2004	78,343	222,002	48%	35.29%	
58	1994	67,224	191,004	41%	35.20%	
59	2003	113,472	325,076	70%	34.91%	
60	1913	73,561	211,722	46%	34.74%	
61	1900	68,295	196,888	42%	34.69%	
62	1960	58,336	168,472	36%	34.63%	
63	1985	146,799	424,293	92%	34.60%	
64	1970	110,057	319,408	69%	34.46%	
65	1945	205,509	597,350	129%	34.40%	
66	1939	92,253	268,269	58%	34.39%	
67	1993	200,864	584,691	126%	34.35%	
68	1961	29,980	87,374	19%	34.31%	
69	1990	38,600	113,344	24%	34.06%	
70	1964	61,521	182,928	39%	33.63%	
71	1894	98,801	295,400	64%	33.45%	
72	1898	45,213	135,303	29%	33.42%	
73	1978	363,157	1,094,375	236%	33.18%	
74	1903	132,097	398,989	86%	33.11%	
75	1986	293,335	886,674	191%	33.08%	
76	2016	73,279	221,831	48%	33.03%	
77	1950	98,483	299,906	65%	32.84%	
78	1938	315,044	961,769	207%	32.76%	
79	1925	102,016	313,113	68%	32.58%	
80	2002	69,991	215,307	46%	32.51%	
81	1951	85,039	261,884	57%	32.47%	
82	1905	117,748	366,396	79%	32.14%	
83	2017	385,311	1,200,499	259%	32.10%	
84	1901	186,446	582,041	126%	32.03%	
85	1982	254,985	796,794	172%	32.00%	
86	1912	80,471	251,812	54%	31.96%	
87	1909	382,617	1,218,975	263%	31.39%	
88	1921	100,096	321,325	69%	31.15%	
89	1983	478,625	1,545,810	334%	30.96%	
90	1955	69,544	224,785	48%	30.94%	
91	1914	210,676	685,012	148%	30.76%	
92	1989	71,849	234,430	51%	30.65%	
93	1959	39,945	130,585	28%	30.59%	
94	1908	79,418	260,894	56%	30.44%	
95	1956	159,683	525,641	113%	30.38%	
96	1916	472,994	1,571,597	339%	30.10%	
97	2015	17,153	57,665	12%	29.75%	
98	1935	103,787	350,647	76%	29.60%	
99	2018	66,988	226,648	49%	29.56%	
100	1917	165,062	560,304	121%	29.46%	
101	1907	199,950	678,748	146%	29.46%	
102	1932	154,742	526,432	114%	29.39%	
103	1967	269,631	924,005	199%	29.18%	
104	1930	67,851	232,582	50%	29.17%	
105	1980	287,825	991,025	214%	29.04%	
106	1963	137,839	476,579	103%	28.92%	
107	1965	131,980	456,668	99%	28.90%	
108	1991	79,763	276,543	60%	28.84%	
109	1942	150,036	522,905	113%	28.69%	
110	1902	109,904	389,596	84%	28.21%	
111	2010	163,601	580,397	125%	28.19%	
112	2011	261,005	942,858	203%	27.68%	
113	2019	251,734	912,520	197%	27.59%	
114	1995	255,046	929,221	200%	27.45%	
115	1915	124,506	455,242	98%	27.35%	
116	1971	66,635	244,475	53%	27.26%	
117	1957	79,355	292,346	63%	27.14%	
118	1998	308,440	1,137,373	245%	27.12%	
119	1977	25,630	95,649	21%	26.80%	
120	1962	135,884	515,474	111%	26.36%	
121	1911	184,481	701,168	151%	26.31%	
122	1953	86,019	329,570	71%	26.10%	
123	1906	360,234	1,391,636	300%	25.89%	
124	1899	51,353	213,710	46%	24.03%	
125	1918	78,722	334,816	72%	23.51%	
126	1896	86,174	372,922	80%	23.11%	
127	1933	60,026	299,584	65%	20.04%	

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where note

JUNE 2020

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	FRIANT-KERN INFLOW	DAY
Previous Day	2569.23	227,876	114,888	64	870	24	894	1,103	1,103	114,888	99,670	5	89	89	0	0	
1	2569.18	227,518	114,707	74	993	25	1,018	911	918	114,714	99,496	6	90	90	0	0	1
2	2569.12	227,089	114,491	65	1,056	28	1,084	933	891	114,456	99,238	5	110	110	0	0	2
3	2569.01	226,304	114,095	91	1,107	26	1,133	828	894	114,126	98,908	7	109	109	0	0	3
4	2568.93	225,735	113,808	93	1,087	28	1,115	921	846	113,764	98,546	8	100	100	0	0	4
5	2568.84	225,095	113,485	56	1,031	25	1,056	789	830	113,482	98,264	5	90	90	0	0	5
6	2568.78	224,669	113,271	69	900	26	926	781	736	113,223	98,005	6	98	98	0	0	6
7	2568.67	223,890	112,878	62	943	25	968	637	712	112,905	97,687	5	107	107	0	0	7
8	2568.55	223,040	112,449	69	1,053	26	1,079	719	671	112,428	97,210	6	110	110	0	0	8
9	2568.42	222,124	111,988	83	1,008	27	1,035	657	658	111,968	96,750	7	107	107	0	0	9
10	2568.25	220,928	111,385	92	1,079	29	1,108	597	636	111,404	96,186	8	108	108	0	0	10
11	2568.05	219,524	110,677	93	1,244	24	1,268	653	629	110,672	95,454	8	115	115	0	0	11
12	2567.87	218,267	110,043	99	1,146	27	1,173	638	600	110,000	94,782	9	113	113	0	0	12
13	2567.71	217,153	109,481	68	979	25	1,004	510	592	109,520	94,302	6	103	103	0	0	13
14	2567.57	216,180	108,991	76	1,016	26	1,042	628	540	108,942	93,724	7	115	115	0	0	14
15	2567.40	215,003	108,397	78	970	28	998	482	525	108,391	93,173	7	115	115	0	0	15
16	2567.23	213,830	107,806	84	946	27	973	466	540	107,874	92,656	7	113	113	0	0	16
17	2567.12	213,072	107,424	87	938	30	968	673	549	107,368	92,150	8	108	108	0	0	17
18	2566.97	212,043	106,905	87	910	28	938	506	602	106,945	91,727	8	107	107	0	0	18
19	2566.86	211,289	106,525	89	887	32	919	628	530	106,467	91,249	8	105	105	0	0	19
20	2566.73	210,402	106,078	95	781	28	809	457	517	106,080	90,862	9	99	99	0	0	20
21	2566.60	209,515	105,631	103	779	29	808	464	474	105,643	90,425	9	85	85	0	0	21
22	2566.43	208,360	105,048	97	960	28	988	502	495	105,053	89,835	9	79	79	0	0	22
23	2566.25	207,142	104,434	96	1,005	31	1,036	518	508	104,429	89,211	9	75	75	0	0	23
24	2566.05	205,791	103,753	86	1,067	33	1,100	505	512	103,755	88,537	8	74	74	0	0	24
25	2565.85	204,447	103,075	98	1,063	30	1,093	513	482	103,046	87,828	9	75	75	0	0	25
26	2565.63	202,975	102,333	91	1,046	32	1,078	427	449	102,326	87,108	9	77	77	0	0	26
27	2565.40	201,443	101,561	95	1,050	33	1,083	406	419	101,567	86,349	9	172	172	0	0	27
28	2565.16	199,852	100,759	90	1,107	30	1,137	425	416	100,756	85,538	9	235	235	0	0	28
29	2564.90	198,136	99,894	78	1,173	31	1,204	417	420	99,894	84,676	8	236	236	0	0	29
30	2564.68	196,692	99,166	80	1,075	24	1,099	451	451	99,166	83,948	8	165	165	0	0	30
TOTAL SECOND FOOT DAYS				2,524	30,399	841	31,240	18,042	18,042	99,166	83,948	227	3,395	3,395	0	0	
TOTAL ACRE-FEET				5,006	60,296	1,668	61,964	35,786	35,786	196,692	166,508	450	6,734	6,734	0	0	

By: MC Date: July 30, 2020

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

JUNE 2020

NORTH KERN WATER STORAGE DISTRICT

DAY	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day	848	697	24	38	57,290
1	721	802	25	44	57,140
2	703	835	28	39	56,941
3	705	884	26	53	56,683
4	672	875	28	55	56,397
5	661	836	25	33	56,164
6	597	760	26	40	55,935
7	581	812	25	37	55,642
8	553	924	26	40	55,205
9	544	871	27	49	54,802
10	529	911	29	54	54,337
11	524	984	24	54	53,799
12	505	840	27	58	53,379
13	499	684	25	39	53,130
14	464	716	26	44	52,808
15	453	721	28	46	52,466
16	464	805	27	48	52,050
17	470	785	30	50	51,655
18	506	760	28	50	51,323
19	457	740	32	51	50,957
20	448	648	28	55	50,674
21	419	659	29	59	50,346
22	433	852	28	55	49,844
23	442	813	31	56	49,386
24	445	872	33	49	48,877
25	424	842	30	56	48,373
26	402	813	32	52	47,878
27	381	711	33	54	47,461
28	379	729	30	52	47,029
29	382	784	31	44	46,552
30	403	857	24	45	46,029
S.F.D.	15,166	24,125	841	1,461	46,029
AC.FT.	30,082	47,852	1,668	2,897	91,297

TOTAL ACRE-FOOT STORAGE DAYS 3,100,683

BUENA VISTA WATER STORAGE DISTRICT

DAY	ENT'L AT 2ND POINT	FLOW VIA CWD	FLOW STATE/MET VIA/FOR KDWD	FLOW VIA PIONEER INLET	FLOW AT 2ND POINT	FLOW ABOVE 1ST PT. CARMEL LA HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day	255	72	12	0	89	0	23	36,602
1	197	72	29	0	90	0	26	36,582
2	188	72	39	0	110	0	23	36,526
3	189	72	42	0	109	0	33	36,459
4	174	72	40	0	100	0	33	36,388
5	169	72	33	0	90	0	20	36,342
6	139	0	35	0	98	0	25	36,323
7	131	0	24	0	107	0	22	36,301
8	118	0	19	0	110	0	25	36,265
9	114	0	30	0	107	0	30	36,212
10	107	0	29	31	108	0	33	36,118
11	105	72	23	50	115	0	34	35,929
12	95	72	26	95	113	0	36	35,682
13	93	72	31	89	103	0	25	35,455
14	76	72	25	88	115	0	28	35,203
15	72	72	28	34	115	0	28	34,998
16	76	0	28	0	113	0	31	34,902
17	79	0	45	0	108	0	32	34,796
18	96	0	43	0	107	0	32	34,710
19	73	0	42	0	105	0	33	34,603
20	69	0	34	0	99	0	35	34,504
21	55	0	35	0	85	0	38	34,401
22	62	0	29	0	79	0	36	34,319
23	66	72	45	0	75	0	35	34,158
24	67	72	49	0	74	0	32	33,998
25	58	102	44	0	75	0	36	33,799
26	47	102	54	0	77	0	34	33,579
27	38	102	55	0	172	0	35	33,253
28	37	102	41	0	235	0	33	32,879
29	38	102	48	0	236	0	29	32,502
30	48	0	50	0	165	0	30	32,305
S.F.D.	2,876	1,374	1,095	387	3,395	0	922	32,305
AC.FT.	5,704	2,725	2,171	768	6,734	0	1,829	64,076

TOTAL ACRE-FOOT STORAGE DAYS 2,081,634

HACIENDA WATER DISTRICT

DAY	ENTITLEMENT Contributed by: NKWSD	ENTITLEMENT Contributed by: BVWSD	FLOW FOR ID4	FLOW VIA PIO. PROJ.	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day			0	0	3	5,778
1			0	0	4	5,774
2			0	0	3	5,771
3			0	0	5	5,766
4			0	0	5	5,761
5			0	0	3	5,758
6			7	0	4	5,747
7			0	0	3	5,744
8			0	0	4	5,740
9			0	0	4	5,736
10			0	0	5	5,731
11			0	0	5	5,726
12			0	0	5	5,721
13			0	0	4	5,717
14			0	0	4	5,713
15			0	0	4	5,709
16			0	0	5	5,704
17			0	0	5	5,699
18			0	0	5	5,694
19			0	0	5	5,689
20			0	0	5	5,684
21			0	0	6	5,678
22			0	0	6	5,672
23			0	0	5	5,667
24			0	0	5	5,662
25			0	0	6	5,656
26			0	0	5	5,651
27			10	0	6	5,635
28			0	0	5	5,630
29			3	0	5	5,622
30			3	0	5	5,614
S.F.D.			23	0	141	5,614
AC.FT.			46	0	280	11,135

TOTAL ACRE-FOOT STORAGE DAYS 339,314

June 2020

WATERMASTER NOTES *** KERN RIVER BULLETIN

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

Daniel M. (Central Records/COB) and Steve R. (Sierra Hydrographics) conducting a stream flow measurement at Kernville Measuring Station.

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

1955	83.4	1988	42.6
1956	167.4	1989	48.4
1957	131.8	1990	29.1
1958	231.7	1991	100.7
1959	33	1992	33.3
1960	45.5	1993	163.9
1961	23.8	1994	56.6
1962	154.7	1995	281.9
1963	162.3	1996	150.6
1964	52.3	1997	137.7
1965	149.9	1998	346.3
1966	45.4	1999	67.7
1967	302.9	2000	81.9
1968	62.1	2001	41.4
1969	485.6	2002	63.9
1970	92.7	2003	118.1
1971	81.1	2004	56.6
1972	37.7	2005	231.2
1973	226.5	2006	222.7
1974	166.7	2007	24.4
1975	138.8	2008	89.3
1976	18.9	2009	66.4
1977	34.5	2010	226.1
1978	351.9	2011	269.3
1979	105.5	2012	28.2
1980	274.9	2013	20.2
1981	65.7	2014	20.9
1982	194.9	2015	13.4
1983	567.1	2016	75.8
1984	90.7	2017	337.2
1985	100.4	2018	48.9
1986	250.4	2019	301
1987	54.5	2020	37.9

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

JULY 2020

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	MEAN STORAGE 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	2564.68	196,692	99,166	80	1,075	24	1,099	451	451	99,166	83,948	8	165	165	0	0	
1	2564.47	195,320	98,474	93	1,020	22	1,042	443	390	98,421	83,203	9	111	111	0	0	1
2	2564.23	193,758	97,686	92	959	21	980	284	359	97,708	82,490	9	75	75	0	0	2
3	2564.01	192,332	96,967	96	950	22	972	349	319	96,959	81,741	10	87	87	0	0	3
4	2563.79	190,914	96,253	94	922	21	943	323	327	96,249	81,031	10	119	119	0	0	4
5	2563.54	189,310	95,444	103	992	23	1,015	309	324	95,455	80,237	11	121	121	0	0	5
6	2563.27	187,587	94,575	103	1,085	21	1,106	340	299	94,545	79,327	11	123	123	0	0	6
7	2562.97	185,686	93,617	110	1,073	22	1,095	247	269	93,609	78,391	12	122	122	0	0	7
8	2562.65	183,669	92,600	98	1,117	21	1,138	219	224	92,597	77,379	10	109	109	0	0	8
9	2562.30	181,479	91,496	101	1,187	21	1,208	205	239	91,527	76,309	11	76	76	0	0	9
10	2561.96	179,369	90,432	102	1,233	23	1,256	294	265	90,434	75,216	11	75	75	0	0	10
11	2561.64	177,395	89,437	88	1,181	22	1,203	296	278	89,421	74,203	10	81	81	0	0	11
12	2561.30	175,313	88,387	99	1,174	21	1,195	244	277	88,404	73,186	11	67	67	0	0	12
13	2560.97	173,309	87,377	106	1,173	22	1,195	291	257	87,360	72,142	12	50	50	0	0	13
14	2560.64	171,318	86,373	101	1,118	22	1,140	237	256	86,375	71,157	12	50	50	0	0	14
15	2560.31	169,341	85,376	97	1,117	22	1,139	239	252	85,391	70,173	12	50	50	0	0	15
16	2559.99	167,440	84,418	86	1,132	21	1,153	281	245	84,397	69,179	10	50	50	0	0	16
17	2559.66	165,492	83,436	90	1,085	23	1,108	216	251	83,450	68,232	11	55	55	0	0	17
18	2559.37	163,792	82,579	89	1,004	20	1,024	256	230	82,567	67,349	11	78	78	0	0	18
19	2559.07	162,045	81,698	90	987	22	1,009	218	230	81,698	66,480	11	88	88	0	0	19
20	2558.75	160,197	80,766	93	1,033	22	1,055	216	216	80,766	65,548	12	82	82	0	0	20
21	2558.42	158,303	79,811	85	1,064	21	1,085	215	204	79,800	64,582	11	87	87	0	0	21
22	2558.07	156,310	78,806	83	1,079	24	1,103	181	190	78,804	63,586	11	86	86	0	0	22
23	2557.71	154,279	77,782	80	1,095	22	1,117	173	201	77,808	62,590	11	89	89	0	0	23
24	2557.38	152,431	76,851	76	1,078	25	1,103	248	224	76,853	61,635	10	99	99	0	0	24
25	2557.09	150,819	76,038	75	963	26	989	251	233	76,022	60,804	10	101	101	0	0	25
26	2556.78	149,109	75,176	80	957	26	983	201	214	75,173	59,955	11	91	91	0	0	26
27	2556.45	147,303	74,265	81	995	26	1,021	191	210	74,281	59,063	11	75	75	0	0	27
28	2556.14	145,618	73,416	81	982	25	1,007	239	216	73,409	58,191	12	63	63	0	0	28
29	2555.82	143,892	72,546	78	985	26	1,011	219	219	72,539	57,321	11	52	52	0	0	29
30	2555.49	142,126	71,655	79	984	27	1,011	199	206	71,655	56,437	12	46	46	0	0	30
31	2555.17	140,430	70,800	82	915	25	940	167	167	70,800	55,582	12	48	48	0	0	31
TOTAL SECOND FOOT DAYS				2,811	32,639	707	33,346	7,791	7,791	70,800	55,582	338	2,506	2,506	0	0	
TOTAL ACRE-FEET				5,575	64,738	1,402	66,140	15,453	15,453	140,430	110,246	670	4,971	4,971	0	0	

By: MC

Date: August 31, 2020

JULY 2020

NORTH KERN WATER STORAGE DISTRICT

DAY	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day	403	857	24	45	46,029
1	361	844	22	52	45,472
2	340	770	21	52	44,969
3	313	694	22	54	44,512
4	318	640	21	53	44,116
5	316	711	23	59	43,639
6	299	797	21	59	43,061
7	269	827	22	62	42,419
8	224	816	21	55	41,751
9	239	817	21	57	41,095
10	265	767	23	58	40,512
11	278	718	22	50	40,000
12	277	722	21	56	39,478
13	257	722	22	59	38,932
14	256	776	22	57	38,333
15	252	771	22	55	37,737
16	245	753	21	48	37,160
17	251	711	23	51	36,626
18	230	607	20	50	36,179
19	230	582	22	51	35,754
20	216	637	22	53	35,258
21	204	652	21	48	34,741
22	190	655	24	47	34,205
23	201	658	22	46	33,680
24	224	624	25	43	33,212
25	233	542	26	43	32,834
26	214	565	26	46	32,411
27	210	625	26	46	31,924
28	216	613	25	46	31,456
29	219	587	26	45	31,017
30	206	546	27	45	30,605
31	167	492	25	47	30,208
S.F.D.	7,720	21,241	707	1,593	30,208
AC.FT.	15,312	42,131	1,402	3,159	59,917

TOTAL ACRE-FOOT STORAGE DAYS 2,307,363

BUENA VISTA WATER STORAGE DISTRICT

DAY	ENT'L AT 2ND POINT	FLOW STATE/MET VIA CWD	VIA KDWD	VIA PIO. INLET	VIA PIO. PRO.	VIA/FOR ARVIN	AT 2ND POINT	FLOW ABOVE 1ST PT. CARMEL LA HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day	48	0	50	0	0	0	165	0	30	32,305
1	29	0	55	0	0	0	111	0	35	32,133
2	19	32	61	0	0	0	75	0	34	31,950
3	6	72	62	0	0	0	87	0	36	31,699
4	9	72	61	0	0	0	119	0	35	31,421
5	8	72	56	0	0	0	121	0	38	31,142
6	0	72	62	0	0	0	123	0	38	30,847
7	0	32	65	0	0	0	122	0	41	30,587
8	0	32	72	0	60	0	109	0	37	30,277
9	0	72	58	52	81	0	76	0	38	29,900
10	0	102	67	128	74	0	75	0	38	29,416
11	0	102	49	160	46	0	81	0	33	28,945
12	0	102	36	175	41	0	67	0	37	28,487
13	0	102	40	197	34	0	50	0	40	28,024
14	0	0	38	193	34	0	50	0	38	27,671
15	0	0	41	197	35	0	50	0	36	27,312
16	0	32	50	195	35	0	50	0	32	26,918
17	0	32	38	189	36	0	55	0	33	26,535
18	0	31	38	189	36	0	78	0	33	26,130
19	0	31	29	199	35	0	88	0	33	25,715
20	0	31	22	190	31	21	82	0	34	25,304
21	0	31	24	179	33	41	87	0	31	24,878
22	0	31	23	182	34	40	86	0	30	24,452
23	0	31	19	192	32	41	89	0	29	24,019
24	0	31	24	194	34	41	99	0	28	23,568
25	0	31	19	195	34	18	101	0	27	23,143
26	0	31	18	197	34	0	91	0	29	22,743
27	0	0	17	197	34	25	75	0	29	22,366
28	0	0	13	199	34	40	63	0	29	21,988
29	0	31	18	201	36	39	52	0	28	21,583
30	0	72	18	203	35	41	46	0	28	21,140
31	0	72	11	203	36	40	48	0	29	20,701
S.F.D.	71	1,382	1,204	4,206	954	387	2,506	0	1,036	20,701
AC.FT.	141	2,741	2,388	8,342	1,892	768	4,971	0	2,055	41,060

TOTAL ACRE-FOOT STORAGE DAYS 1,648,252

HACIENDA WATER DISTRICT

DAY	ENTITLEMENT Contributed by: NKWSD	BVWSD	FLOW FOR ID4	FLOW VIA PIO. PROJ.	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day	0	0	3	0	5	5,614
1			10	0	6	5,598
2			21	0	6	5,571
3			35	0	6	5,530
4			30	0	6	5,494
5			32	0	6	5,456
6			31	0	6	5,419
7			27	0	7	5,385
8			28	0	6	5,351
9			31	0	6	5,314
10			20	0	6	5,288
11			25	0	5	5,258
12			31	0	6	5,221
13			28	0	7	5,186
14			27	0	6	5,153
15			23	0	6	5,124
16			17	0	6	5,101
17			24	0	6	5,071
18			25	0	6	5,040
19			23	0	6	5,011
20			19	0	6	4,986
21			17	0	6	4,963
22			28	0	6	4,929
23			33	0	5	4,891
24			31	0	5	4,855
25			23	0	5	4,827
26			21	0	5	4,801
27			22	0	6	4,773
28			20	0	6	4,747
29			21	0	5	4,721
30			23	0	6	4,692
31			13	0	6	4,673
S.F.D.			759	0	182	4,673
AC.FT.			1,505	0	361	9,269

TOTAL ACRE-FOOT STORAGE DAYS 314,239

JULY 2020

WATERMASTER NOTES *** KERN RIVER BULLETIN

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

KERN RIVER NATURAL FLOW

FIRST POINT OF MEASUREMENT

APRIL - JULY

1894 TO DATE

In order of Magnitude

Quantities in acre-feet

YEAR	APR	MAY	JUN	JUL	TOTAL	% OF AVERAGE
2015	13,662	17,153	13,813	13,037	57,665	12%
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	20%
1977	23,391	25,630	35,655	10,973	95,649	21%
1931	23,440	41,867	24,262	8,493	98,062	21%
2013	32,212	39,509	19,494	11,700	102,915	22%
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	28%
1998	42,248	45,213	32,809	15,033	135,303	29%
1988	39,584	58,350	43,140	20,969	162,043	35%
1960	46,272	58,336	47,181	16,683	168,472	37%
2012	65,851	69,671	26,945	14,154	176,621	38%
1992	55,448	74,394	32,987	16,324	179,153	39%
1964	42,946	61,521	54,656	23,803	182,928	40%
1994	46,489	67,224	58,223	21,068	191,004	41%
1928	37,757	76,885	60,344	18,716	193,702	42%
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	45%
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	46%
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	48%
2004	64,197	78,343	56,378	23,084	222,002	48%
1955	37,567	69,544	86,660	31,014	224,785	49%
2018	84,716	66,988	46,574	28,370	226,648	49%
1930	53,506	67,851	82,824	28,401	232,582	50%
1926	66,079	98,598	49,530	18,575	232,782	50%
1989	91,380	71,849	49,823	21,378	234,430	51%
1948	43,976	86,108	78,565	31,331	239,980	52%
1971	52,661	66,635	82,707	42,472	244,475	53%
1968	65,584	87,991	64,054	30,690	248,319	54%
1947	60,353	110,325	57,778	21,116	249,572	54%
2001	58,249	124,417	43,033	24,593	250,292	54%
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	58%
1991	58,092	79,763	100,423	38,265	276,543	60%
1957	38,644	79,355	132,359	41,988	292,346	63%
2009	63,650	130,352	65,252	35,907	295,161	64%
1894	88,974	98,801	64,564	43,061	295,400	64%
1933	57,265	60,026	125,395	56,898	299,584	65%
1950	76,155	98,483	90,367	34,901	299,906	65%
2000	67,388	129,406	81,396	28,306	306,496	66%
1925	56,408	102,016	96,252	58,437	313,113	68%
1904	59,812	113,205	103,904	39,725	316,646	69%
1970	63,513	110,057	95,700	50,138	319,408	69%
1921	51,723	100,096	120,387	49,119	321,325	70%
2003	56,146	113,472	118,383	37,075	325,076	70%
1953	70,730	86,019	103,164	69,657	329,570	71%
2008	80,991	123,177	89,078	38,095	331,341	72%
1923	73,355	120,849	82,528	55,800	332,532	72%
1918	74,513	78,722	136,753	44,828	334,816	73%
1919	86,574	140,215	81,844	34,364	342,997	74%
1935	71,042	103,787	133,634	42,184	350,647	76%
1910	102,883	127,733	79,464	42,046	352,126	76%
1954	101,203	139,719	73,553	39,642	354,117	77%
1905	62,047	117,748	132,766	53,835	366,396	79%
1896	57,864	86,174	146,124	82,760	372,922	81%
1975	46,602	147,001	140,660	51,917	386,180	84%
1902	107,403	109,904	128,853	43,436	389,596	84%
1946	109,658	155,476	85,880	39,733	390,747	85%
1903	74,315	132,097	139,222	53,355	398,989	86%
1944	80,223	150,109	115,862	59,197	405,391	88%
1979	102,079	164,935	106,112	46,733	419,859	91%
1984	91,359	161,613	93,114	77,046	423,132	92%
1985	136,241	146,799	99,858	41,395	424,293	92%
1920	83,370	158,904	137,840	50,699	430,813	93%
1915	80,916	124,506	172,324	77,496	455,242	99%
1965	80,043	131,980	149,357	95,288	456,668	99%
1963	69,412	137,839	163,944	105,384	476,579	103%
1940	118,175	196,465	145,503	50,471	510,614	111%
1962	147,463	135,884	157,253	74,874	515,474	112%
1927	100,362	184,721	161,153	75,481	521,717	113%
1942	112,586	150,036	178,754	81,529	522,905	113%
1956	97,553	159,683	168,876	99,529	525,641	114%
1932	111,273	154,742	166,404	94,013	526,432	114%
1974	114,113	183,733	167,740	69,580	535,166	116%
1917	126,329	165,062	187,638	81,275	560,304	121%
1997	142,909	214,290	142,358	71,919	571,476	124%
2010	95,484	163,601	226,437	94,875	580,397	126%
1936	157,290	219,404	137,028	67,902	581,624	126%
1901	83,190	186,446	197,792	114,613	582,041	126%
1993	133,993	200,864	162,420	87,414	584,691	127%
1945	131,246	205,509	169,002	91,593	597,350	129%
1996	147,959	225,987	154,883	70,502	599,331	130%
1922	84,407	242,259	202,395	88,649	617,710	134%
1897	173,393	281,639	137,393	61,837	654,262	142%
1907	197,720	199,950	183,995	97,083	678,748	147%
1914	144,934	210,676	201,064	128,338	685,012	148%
1895	162,071	268,635	172,890	91,133	694,729	151%
1943	198,736	254,785	155,650	88,011	697,182	151%
1911	138,113	184,481	222,076	156,498	701,168	152%
1973	110,892	288,652	230,390	93,834	723,768	157%
2005	132,119	288,847	238,352	129,182	788,500	171%
2006	147,043	309,409	232,520	106,756	795,728	172%
1982	212,963	254,985	198,748	130,098	796,794	173%
1958	168,105	316,974	230,866	115,724	831,669	180%
1937	183,505	352,050	225,395	91,097	852,047	185%
1986	208,147	293,335	263,794	121,398	886,674	192%
2019	203,673	251,734	302,910	154,203	912,520	198%
1967	99,509	269,631	311,063	243,802	924,005	200%
1995	143,244	255,046	293,129	237,802	929,221	201%
2011	231,304	261,005	274,675	175,874	942,858	204%
1938	223,928	315,044	291,880	130,917	961,769	208%
1980	211,608	287,825	282,877	208,715	991,025	215%
1941	124,615	386,666	309,960	174,416	995,657	216%
1978	181,700	363,157	354,825	194,693	1,094,375	237%
1952	222,633	434,769	302,557	159,856	1,119,815	243%
1998	189,663	308,440	371,835	267,435	1,137,373	246%
2017	290,457	385,311	343,801	180,930	1,200,499	260%
1909	247,402	382,617	394,086	194,870	1,218,975	264%
1906	173,143	360,234	458,418	399,841	1,391,636	302%
1983	206,473	478,625	571,846	288,666	1,545,810	335%
1916	481,749	472,994	391,700	225,154	1,571,597	341%
1969	378,333	617,968	496,796	254,777	1,747,874	379%

MAXIMUM	**481,749**	**617,968**	**571,846**	**399,841**	**1,747,874**
MINIMUM	**13,662**	**17,153**	**13,813**	**7,016**	**57,665**
AVERAGE	**99,132**	**154,344**	**136,901**	**71,033**	**461,410**

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

AUGUST 2020

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	2555.17	140,430	70,800	82	915	25	940	167	167	70,800	55,582	12	48	48	0	0	
1	2554.87	138,850	70,004	94	885	25	910	208	209	70,005	54,787	14	50	50	0	0	1
2	2554.57	137,282	69,213	95	881	27	908	212	195	69,197	53,979	15	55	55	0	0	2
3	2554.22	135,469	68,299	103	952	25	977	166	187	68,304	53,086	16	46	46	0	0	3
4	2553.89	133,772	67,443	95	918	27	945	184	180	67,444	52,226	15	13	13	0	0	4
5	2553.58	132,192	66,647	87	871	24	895	186	170	66,632	51,414	14	0	0	0	0	5
6	2553.28	130,674	65,882	70	808	28	836	141	169	65,895	50,677	11	0	0	0	0	6
7	2553.01	129,319	65,198	69	770	25	795	180	180	65,211	49,993	11	4	4	0	0	7
8	2552.76	128,072	64,570	69	754	25	779	220	226	64,589	49,371	12	10	10	0	0	8
9	2552.55	127,031	64,045	70	706	26	732	277	252	64,039	48,821	12	10	10	0	0	9
10	2552.37	126,144	63,598	75	605	27	632	260	222	63,554	48,336	13	9	9	0	0	10
11	2552.17	125,163	63,103	77	524	24	548	130	196	63,125	47,907	13	10	10	0	0	11
12	2551.96	124,138	62,586	77	611	27	638	198	179	62,589	47,371	13	9	9	0	0	12
13	2551.76	123,166	62,096	60	612	26	638	208	214	62,105	46,887	11	10	10	0	0	13
14	2551.57	122,249	61,634	70	605	24	629	237	236	61,642	46,424	12	10	10	0	0	14
15	2551.40	121,432	61,222	66	584	26	610	264	209	61,175	45,957	12	6	6	0	0	15
16	2551.17	120,333	60,668	74	578	28	606	126	202	60,697	45,479	13	0	0	0	0	16
17	2550.94	119,240	60,117	72	671	23	694	215	192	60,123	44,905	13	0	0	0	0	17
18	2550.70	118,107	59,546	70	708	27	735	234	236	59,554	44,336	13	0	0	0	0	18
19	2550.47	117,028	59,002	73	704	27	731	260	242	58,992	43,774	14	0	0	0	0	19
20	2550.27	116,095	58,531	70	606	28	634	233	238	58,526	43,308	13	0	0	0	0	20
21	2550.08	115,214	58,087	69	570	26	596	221	236	58,097	42,879	13	0	0	0	0	21
22	2549.92	114,475	57,715	71	537	18	555	254	243	57,714	42,496	14	0	0	0	0	22
23	2549.79	113,877	57,413	57	485	15	500	255	248	57,405	42,187	11	0	0	0	0	23
24	2549.66	113,282	57,113	59	451	25	476	235	227	57,097	41,879	11	0	0	0	0	24
25	2549.52	112,642	56,790	61	427	25	452	190	216	56,800	41,582	12	0	0	0	0	25
26	2549.37	111,961	56,447	59	479	28	507	223	234	56,468	41,250	12	0	0	0	0	26
27	2549.27	111,507	56,218	67	427	24	451	289	239	56,189	40,971	13	0	0	0	0	27
28	2549.15	110,966	55,945	62	392	24	416	205	239	55,950	40,732	12	0	0	0	0	28
29	2549.05	110,515	55,718	57	370	22	392	222	190	55,691	40,473	11	0	0	0	0	29
30	2548.92	109,932	55,424	54	360	22	382	142	169	55,424	40,206	11	0	0	0	0	30
31	2548.76	109,216	55,063	53	456	24	480	172	172	55,063	39,845	11	0	0	0	0	31
TOTAL SECOND FOOT DAYS				2,205	19,307	772	20,079	6,547	6,547	55,063	39,845	391	242	242	0	0	
TOTAL ACRE-FEET				4,374	38,295	1,531	39,826	12,986	12,986	109,216	79,032	776	480	480	0	0	

By: MC Date: September 28, 2020

AUGUST 2020

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT										HACIENDA WATER DISTRICT					
							FLOW									ENTITLEMENT		FLOW			
	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	RESERVOIR LOSS	RESERVOIR STORAGE	ENT'L AT 2ND POINT	STATE/MET VIA CWD	STATE/MET FOR KDWD	VIA PIO. INLET	VIA PIO. PRO.	VIA/FOR ARVIN	AT 2ND POINT	FLOW ABOVE 1ST PT. CARMEL LA HACIENDA INC	RESERVOIR LOSS	RESERVOIR STORAGE	Contributed by: NKWSD	Contributed by: BVWSD	FOR ID4	VIA PIO. PROJ	RESERVOIR LOSS	RESERVOIR STORAGE	DAY
Previous Day	167	492	25	47	30,208	0	72	11	203	36	40	48	0	29	20,701			13	0	6	4,673	
1	209	464	25	54	29,874	0	72	20	204	31	19	50	0	33	20,272			25	0	7	4,641	1
2	195	480	27	55	29,507	0	72	17	204	33	0	55	0	33	19,858			20	0	7	4,614	2
3	187	532	25	60	29,077	0	72	8	204	32	22	46	0	36	19,438			36	0	7	4,571	3
4	180	512	27	55	28,663	0	72	19	205	30	39	13	0	33	19,027			28	0	7	4,536	4
5	170	494	24	51	28,264	0	72	8	200	33	40	0	0	30	18,644			24	0	6	4,506	5
6	169	461	28	41	27,903	0	31	17	197	37	40	0	0	24	18,298			25	0	5	4,476	6
7	180	429	25	40	27,589	0	31	8	204	32	40	4	0	24	17,955			22	0	5	4,449	7
8	226	427	25	41	27,322	0	31	5	205	28	18	10	0	23	17,635			30	0	5	4,414	8
9	252	402	26	41	27,105	0	31	4	207	27	0	10	0	24	17,332			25	0	5	4,384	9
10	222	398	27	44	26,858	0	31	4	105	16	19	9	0	25	17,123			23	0	6	4,355	10
11	196	424	24	45	26,561	0	31	4	0	0	32	10	0	26	17,020			23	0	6	4,326	11
12	179	502	27	45	26,166	0	31	4	0	0	39	9	0	26	16,911			26	0	6	4,294	12
13	214	496	26	36	25,822	0	31	4	0	0	41	10	0	20	16,805			30	0	4	4,260	13
14	236	490	24	41	25,503	0	31	4	0	0	40	10	0	24	16,696			30	0	5	4,225	14
15	209	468	26	39	25,179	0	31	15	0	0	40	6	0	22	16,582			24	0	5	4,196	15
16	202	443	28	43	24,867	0	31	52	0	0	39	0	0	25	16,435			13	0	6	4,177	16
17	192	494	23	42	24,500	0	31	62	0	0	39	0	0	25	16,278			45	0	5	4,127	17
18	236	477	27	41	24,191	0	102	57	0	0	40	0	0	24	16,055			32	0	5	4,090	18
19	242	484	27	43	23,879	0	102	54	0	0	38	0	0	25	15,836			26	0	5	4,059	19
20	238	469	28	41	23,579	0	31	42	0	0	40	0	0	24	15,699			24	0	5	4,030	20
21	236	443	26	40	23,306	0	31	41	0	0	38	0	0	24	15,565			17	0	5	4,008	21
22	243	387	18	42	23,102	0	31	43	0	0	43	0	0	24	15,424			33	0	5	3,970	22
23	248	366	15	34	22,935	0	31	37	0	0	21	0	0	19	15,316			30	0	4	3,936	23
24	227	342	25	35	22,760	0	31	48	0	0	0	0	0	20	15,217			30	0	4	3,902	24
25	216	341	25	35	22,575	0	31	46	0	0	0	0	0	21	15,119			9	0	5	3,888	25
26	234	327	28	35	22,419	0	72	48	0	0	0	0	0	20	14,979			32	0	4	3,852	26
27	239	284	24	39	22,311	0	72	49	0	0	0	0	0	23	14,835			22	0	5	3,825	27
28	239	277	24	36	22,213	0	66	49	0	0	0	0	0	21	14,699			0	0	5	3,820	28
29	190	258	22	34	22,089	0	66	46	0	0	0	0	0	19	14,568			0	0	4	3,816	29
30	169	258	22	32	21,946	0	66	36	0	0	0	0	0	18	14,448			0	0	4	3,812	30
31	172	348	24	31	21,715	0	66	42	0	0	0	0	0	18	14,322			0	0	4	3,808	31
S.F.D.	6,547	12,977	772	1,291	21,715	0	1,530	893	1,935	299	727	242	0	753	14,322			704	0	161	3,808	S.F.D.
AC.FT.	12,986	25,740	1,531	2,561	43,071	0	3,035	1,771	3,838	593	1,442	480	0	1,494	28,407			1,396	0	319	7,554	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 1,546,670

TOTAL ACRE-FOOT STORAGE DAYS 1,020,279

TOTAL ACRE-FOOT STORAGE DAYS 256,596

REPORT OF THE KERN RIVER WATERMASTER

AUGUST 2020

WATERMASTER NOTES *** KERN RIVER BULLETIN

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

2020 April-July Unimpaired Runoff
Central Valley Streams

April -July Flow
in 1000 Acre-Feet

Watershed	(1) 50-Year Average	Median Forecast as of Feb. 1	Mar. 1	Apr. 1	May 1	(2) 2020 Actual	% of Average
Sacramento River above Bend Bridge	2421	1800	1480	1390	1480	**1644**	68%
Feather River at Oroville Reservoir	1704	1100	760	1000	940	**937**	55%
Yuba River at Smartville	968	720	490	610	600	**676**	70%
American River at Folsom Reservoir	1199	880	580	750	790	**871**	73%
Cosumnes River at Michigan Bar	125	65	30	70	95	**103**	82%
Mokelumne River at Pardee Reservoir	457	360	1230	290	290	**301**	66%
Stanislaus River at Melones Reservoir	682	480	280	390	410	**437**	64%
Tuolumne River at Don Pedro Reservoir	1193	860	550	620	630	**686**	58%
Merced River at Lake McClure	623	420	240	270	290	**358**	57%
San Joaquin River at Millerton Lake	1228	880	520	560	650	**670**	55%
Kings River at Pine Flat Reservoir	1210	870	560	530	640	**665**	55%
Kaweah River at Terminus Reservoir	285	180	120	110	145	**136**	48%
Tule River at Success Reservoir	63	35	20	20	28	**26**	41%
KERN RIVER AT ISABELLA LAKE	**458**	**300**	**200**	**210**	**240**	**196**	**43%**

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

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

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

SEPTEMBER 2020

	ISABELLA RESERVOIR									MEAN STORAGE				SECOND POINT GROUP FLOW AT 2ND POINT			
	ELEVATION	MIDNIGHT STORAGE			FLOW AT 1ST	FLOW ABOVE	FIRST POINT REGULATED	CHANGE IN STORAGE+LOSS +1ST POINT REGULATED	COMPUTED 1ST POINT NATURAL	Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)		KERN COUNTY RECREATION	TOTAL FLOW AT SECOND	KERN	FRIANT-	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	2548.76	109,216	55,063	53	456	24	480	172	172	55,063	39,845	11	0	0	0	0	
1	2548.63	108,638	54,772	57	431	24	455	221	213	54,764	39,546	12	0	0	0	0	1
2	2548.49	108,017	54,459	59	424	28	452	198	204	54,457	39,239	12	0	0	0	0	2
3	2548.36	107,442	54,169	58	400	25	425	193	187	54,161	38,943	12	0	0	0	0	3
4	2548.22	106,827	53,859	60	395	26	421	171	196	53,876	38,658	12	0	0	0	0	4
5	2548.10	106,300	53,593	66	399	26	425	225	189	53,574	38,356	14	0	0	0	0	5
6	2547.96	105,689	53,285	63	389	26	415	170	181	53,277	38,059	13	0	0	0	0	6
7	2547.81	105,035	52,955	56	399	23	422	148	184	52,983	37,765	12	0	0	0	0	7
8	2547.72	104,646	52,759	54	352	23	375	233	190	52,744	37,526	11	0	0	0	0	8
9	2547.62	104,213	52,541	57	326	25	351	190	202	52,538	37,320	12	0	0	0	0	9
10	2547.55	103,911	52,388	41	269	27	296	184	188	52,389	37,171	9	0	0	0	0	10
11	2547.49	103,653	52,258	41	256	21	277	188	190	52,261	37,043	9	0	0	0	0	11
12	2547.45	103,481	52,172	49	212	22	234	197	199	52,177	36,959	11	0	0	0	0	12
13	2547.43	103,380	52,121	57	187	18	205	211	241	52,156	36,938	12	0	0	0	0	13
14	2547.45	103,481	52,172	53	189	23	212	316	248	52,139	36,921	11	0	0	0	0	14
15	2547.43	103,380	52,121	49	198	21	219	217	247	52,118	36,900	11	0	0	0	0	15
16	2547.41	103,280	52,070	46	191	23	214	209	210	52,068	36,850	10	0	0	0	0	16
17	2547.38	103,180	52,020	46	189	19	208	204	206	52,020	36,802	10	0	0	0	0	17
18	2547.36	103,094	51,977	52	175	22	197	206	184	51,955	36,737	11	0	0	0	0	18
19	2547.32	102,923	51,890	49	166	15	181	143	184	51,909	36,691	11	0	0	0	0	19
20	2547.31	102,880	51,869	47	160	18	178	204	175	51,859	36,641	10	0	0	0	0	20
21	2547.28	102,752	51,804	52	171	17	188	175	177	51,796	36,578	11	0	0	0	0	21
22	2547.24	102,582	51,718	49	171	19	190	153	153	51,710	36,492	11	0	0	0	0	22
23	2547.19	102,368	51,611	44	175	18	193	130	152	51,625	36,407	10	0	0	0	0	23
24	2547.16	102,240	51,546	45	173	19	192	172	139	51,527	36,309	10	0	0	0	0	24
25	2547.12	102,069	51,460	45	140	17	157	116	152	51,477	36,259	10	0	0	0	0	25
26	2547.10	101,984	51,417	39	155	18	173	169	153	51,418	36,200	9	0	0	0	0	26
27	2547.08	101,899	51,374	45	155	15	170	172	176	51,379	36,161	10	0	0	0	0	27
28	2547.06	101,814	51,331	47	163	20	183	187	175	51,324	36,106	10	0	0	0	0	28
29	2547.02	101,644	51,246	54	180	18	198	167	174	51,246	36,028	12	0	0	0	0	29
30	2546.98	101,475	51,160	50	177	20	197	161	161	51,160	35,942	11	0	0	0	0	30
TOTAL SECOND FOOT DAYS				1,530	7,367	636	8,003	5,630	5,630	51,160	35,942	329	0	0	0	0	
TOTAL ACRE-FEET				3,035	14,612	1,261	15,873	11,167	11,167	101,475	71,291	653	0	0	0	0	

By: MC Date: October 31, 2020

SEPTEMBER 2020

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT							HACIENDA WATER DISTRICT							
							FLOW STATE/MET			FLOW ABOVE 1ST PT. CARMEL La			ENTITLEMENT		FLOW					
	ENT'L	FLOW	FLOW ABOVE	RESERVOIR		ENT'L	VIA	FOR	AT 2ND	HACIENDA	RESERVOIR		Contributed by:		VIA	For	VIA	RESERVOIR		
DAY	AT 1ST POINT	AT 1ST POINT	1ST POINT	LOSS	STORAGE	AT 2ND POINT	CWD	KDWD	POINT	INC.	LOSS	STORAGE	NKWSD	BVWSD	KDWD	ID#4	PIO. PROJ.	LOSS	STORAGE	DAY
Previous Day	172	348	24	31	21,715	0	66	42	0	0	18	14,322	0	0	0	0	0	4	3,808	
1	213	421	24	34	21,449	0	10	0	0	0	19	14,293	0	0	0	0	0	4	3,804	1
2	204	414	28	34	21,177	0	10	0	0	0	20	14,263	0	0	0	0	0	5	3,799	2
3	187	390	25	34	20,915	0	10	0	0	0	20	14,233	0	0	0	0	0	4	3,795	3
4	196	385	26	34	20,666	0	10	0	0	0	21	14,202	0	0	0	0	0	5	3,790	4
5	189	399	26	38	20,392	0	0	0	0	0	23	14,179	0	0	0	0	0	5	3,785	5
6	181	389	26	36	20,122	0	0	0	0	0	22	14,157	0	0	0	0	0	5	3,780	6
7	184	399	23	33	19,851	0	0	0	0	0	19	14,138	0	0	0	0	0	4	3,776	7
8	190	352	23	31	19,635	0	0	0	0	0	19	14,119	0	0	0	0	0	4	3,772	8
9	202	326	25	32	19,454	0	0	0	0	0	20	14,099	0	0	0	0	0	5	3,767	9
10	188	269	27	24	19,322	0	0	0	0	0	14	14,085	0	0	0	0	0	3	3,764	10
11	190	256	21	24	19,211	0	0	0	0	0	14	14,071	0	0	0	0	0	3	3,761	11
12	199	212	22	28	19,148	0	0	0	0	0	17	14,054	0	0	0	0	0	4	3,757	12
13	241	187	18	32	19,152	0	0	0	0	0	20	14,034	0	0	0	0	0	5	3,752	13
14	248	189	23	30	19,158	0	0	0	0	0	19	14,015	0	0	0	0	0	4	3,748	14
15	247	198	21	28	19,158	0	0	0	0	0	17	13,998	0	0	0	0	0	4	3,744	15
16	210	191	23	26	19,128	0	0	0	0	0	16	13,982	0	0	0	0	0	4	3,740	16
17	206	189	19	26	19,100	0	0	0	0	0	16	13,966	0	0	0	0	0	4	3,736	17
18	184	175	22	30	19,057	0	0	0	0	0	18	13,948	0	0	0	0	0	4	3,732	18
19	184	166	15	28	19,032	0	0	0	0	0	17	13,931	0	0	0	0	0	4	3,728	19
20	175	160	18	26	19,003	0	0	0	0	0	17	13,914	0	0	0	0	0	4	3,724	20
21	177	171	17	30	18,962	0	0	0	0	0	18	13,896	0	0	0	0	0	4	3,720	21
22	153	171	19	28	18,897	0	0	0	0	0	17	13,879	0	0	0	0	0	4	3,716	22
23	152	175	18	26	18,830	0	0	0	0	0	15	13,864	0	0	0	0	0	3	3,713	23
24	139	173	19	25	18,752	0	0	0	0	0	16	13,848	0	0	0	0	0	4	3,709	24
25	152	140	17	25	18,722	0	0	0	0	0	16	13,832	0	0	0	0	0	4	3,705	25
26	153	155	18	22	18,680	0	0	0	0	0	14	13,818	0	0	0	0	0	3	3,702	26
27	176	155	15	25	18,661	0	0	0	0	0	16	13,802	0	0	0	0	0	4	3,698	27
28	175	163	20	26	18,627	0	0	0	0	0	17	13,785	0	0	0	0	0	4	3,694	28
29	174	180	18	31	18,572	0	0	0	0	0	19	13,766	0	0	0	0	0	4	3,690	29
30	161	177	20	28	18,508	0	0	0	0	0	18	13,748	0	0	0	0	0	4	3,686	30
S.F.D.	5,630	7,327	636	874	18,508	0	40	0	0	0	534	13,748	0	0	0	0	0	122	3,686	S.F.D.
AC.FT.	11,167	14,533	1,261	1,734	36,710	0	79	0	0	0	1,059	27,269	0	0	0	0	0	242	7,312	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 1,153,072

TOTAL ACRE-FOOT STORAGE DAYS 832,897

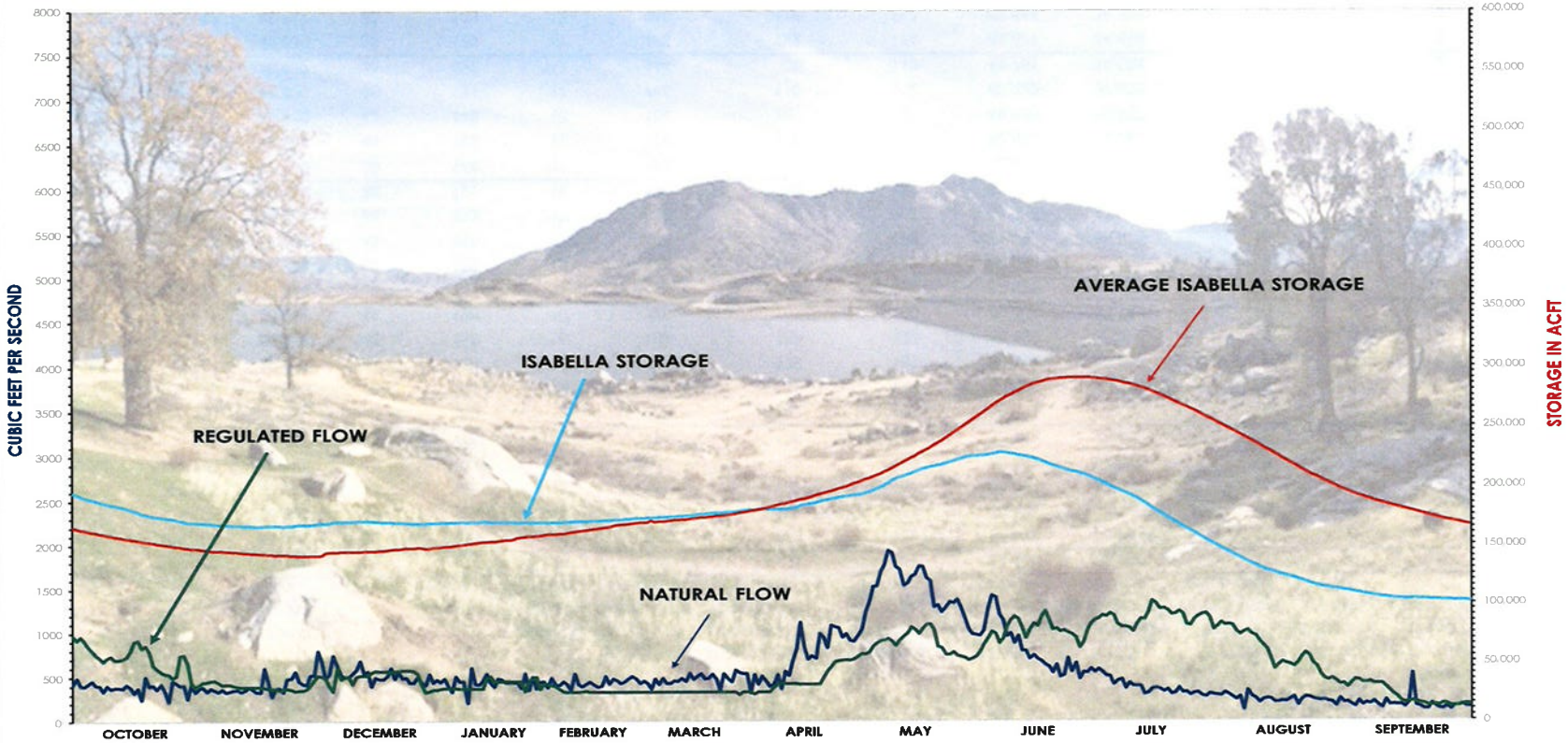
TOTAL ACRE-FOOT STORAGE DAYS 222,718

SEPTEMBER 2020

WATERMASTER NOTES *** KERN RIVER BULLETIN

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

KERN RIVER NATURAL FLOW, REGULATED FLOW, & ISABELLA RESERVOIR STORAGE
2019-2020 WATER YEAR



REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

OCTOBER 2020

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	DAY
Previous Day	2546.98	101,475	51,160	50	177	20	197	161	161	51,160	35,942	11	0	0	0	
1	2546.94	101,306	51,075	50	183	17	200	165	169	51,079	35,861	11	0	0	0	1
2	2546.90	101,136	50,989	50	195	18	213	177	168	50,984	35,766	11	0	0	0	2
3	2546.86	100,967	50,904	48	182	17	199	162	167	50,904	35,686	11	0	0	0	3
4	2546.82	100,798	50,819	46	183	18	201	162	150	50,807	35,589	10	0	0	0	4
5	2546.77	100,587	50,713	41	175	16	191	126	143	50,718	35,500	9	0	0	0	5
6	2546.74	100,461	50,649	40	150	16	166	142	143	50,655	35,437	9	0	0	0	6
7	2546.71	100,335	50,586	45	158	19	177	159	143	50,576	35,358	10	0	0	0	7
8	2546.67	100,167	50,501	41	156	16	172	128	151	50,514	35,296	9	0	0	0	8
9	2546.65	100,083	50,459	43	150	16	166	167	133	50,438	35,220	10	0	0	0	9
10	2546.61	99,915	50,374	43	126	19	145	103	156	50,406	35,188	10	0	0	0	10
11	2546.61	99,915	50,374	40	141	17	158	198	163	50,371	35,153	9	0	0	0	11
12	2546.60	99,873	50,353	36	156	16	172	187	183	50,346	35,128	8	0	0	0	12
13	2546.57	99,747	50,289	43	169	17	186	165	179	50,296	35,078	10	0	0	0	13
14	2546.55	99,663	50,247	38	172	17	189	185	159	50,228	35,010	9	0	0	0	14
15	2546.51	99,495	50,162	36	161	16	177	128	150	50,165	34,947	8	0	0	0	15
16	2546.48	99,371	50,100	38	144	17	161	137	125	50,091	34,873	9	0	0	0	16
17	2546.43	99,162	49,994	46	153	17	170	110	125	50,000	34,782	10	0	0	0	17
18	2546.39	98,995	49,910	47	148	16	164	127	116	49,905	34,687	11	0	0	0	18
19	2546.35	98,828	49,826	46	131	17	148	110	112	49,823	34,605	10	0	0	0	19
20	2546.31	98,662	49,742	38	127	17	144	98	110	49,751	34,533	9	0	0	0	20
21	2546.28	98,537	49,679	39	129	17	146	122	111	49,677	34,459	9	0	0	0	21
22	2546.25	98,413	49,617	36	123	17	140	114	113	49,614	34,396	8	0	0	0	22
23	2546.21	98,247	49,533	33	138	17	155	104	109	49,535	34,317	8	0	0	0	23
24	2546.18	98,123	49,470	36	120	17	137	110	107	49,469	34,251	8	0	0	0	24
25	2546.16	98,040	49,429	21	110	17	127	107	123	49,444	34,226	5	0	0	0	25
26	2546.14	97,957	49,387	32	146	15	161	151	131	49,382	34,164	7	0	0	0	26
27	2546.12	97,874	49,345	26	149	2	151	135	146	49,351	34,133	6	0	0	0	27
28	2546.10	97,792	49,303	31	145	17	162	151	144	49,302	34,084	7	0	0	0	28
29	2546.08	97,709	49,262	28	144	16	160	147	161	49,275	34,057	6	0	0	0	29
30	2546.08	97,709	49,262	31	137	18	155	186	173	49,262	34,044	7	0	0	0	30
31	2546.08	97,709	49,262	31	109	18	127	158	158	49,262	34,044	7	0	0	0	31
TOTAL SECOND FOOT DAYS				1,199	4,610	510	5,120	4,421	4,421	49,262	34,044	271	0	0	0	
TOTAL ACRE-FEET				2,379	9,144	1,012	10,156	8,769	8,769	97,709	67,525	538	0	0	0	

By: MC

Date: November 30, 2020

OCTOBER 2020

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT							HACIENDA WATER DISTRICT						
							FLOW STATE/MET			FLOW ABOVE 1ST PT. CARMEL			ENTITLEMENT		FLOW				
DAY	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	RESERVOIR LOSS	RESERVOIR STORAGE	ENT'L AT 1ST POINT	VIA CWD	FOR/VIA KDWD	AT 2ND POINT	La HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE	Contributed by: NKWSD	BVWSD	For ID#4	Pio. Proj.	RESERVOIR LOSS	RESERVOIR STORAGE	DAY
Previous Day	161	177	20	28	18,508	0	0	0	0	0	18	13,748			0	0	4	3,686	
1	169	183	17	28	18,449	0	0	0	0	0	18	13,730			0	0	4	3,682	1
2	168	195	18	28	18,376	0	0	0	0	0	18	13,712			0	0	4	3,678	2
3	167	182	17	27	18,317	0	0	0	0	0	17	13,695			0	0	4	3,674	3
4	150	183	18	26	18,240	0	0	0	0	0	16	13,679			0	0	4	3,670	4
5	143	175	16	23	18,169	0	0	0	0	0	15	13,664			0	0	3	3,667	5
6	143	150	16	23	18,123	0	0	0	0	0	14	13,650			0	0	3	3,664	6
7	143	158	19	25	18,064	0	0	0	0	0	16	13,634			0	0	4	3,660	7
8	151	156	16	23	18,020	0	0	0	0	0	15	13,619			0	0	3	3,657	8
9	133	150	16	25	17,962	0	0	0	0	0	15	13,604			0	0	3	3,654	9
10	156	126	19	25	17,948	0	0	0	0	0	15	13,589			0	0	3	3,651	10
11	163	141	17	23	17,930	0	0	0	0	0	14	13,575			0	0	3	3,648	11
12	183	156	16	20	17,921	0	0	0	0	0	13	13,562			0	0	3	3,645	12
13	179	169	17	25	17,889	0	0	0	0	0	15	13,547			0	0	3	3,642	13
14	159	172	17	22	17,837	0	0	0	0	0	13	13,534			0	0	3	3,639	14
15	150	161	16	20	17,790	0	0	0	0	0	13	13,521			0	0	3	3,636	15
16	125	144	17	22	17,732	0	0	0	0	0	13	13,508			0	0	3	3,633	16
17	125	153	17	26	17,661	0	0	0	0	0	16	13,492			0	0	4	3,629	17
18	116	148	16	26	17,587	0	0	0	0	0	17	13,475			0	0	4	3,625	18
19	112	131	17	26	17,525	0	0	0	0	0	16	13,459			0	0	4	3,621	19
20	110	127	17	21	17,470	0	0	0	0	0	14	13,445			0	0	3	3,618	20
21	111	129	17	22	17,413	0	0	0	0	0	14	13,431			0	0	3	3,615	21
22	113	123	17	20	17,366	0	0	0	0	0	13	13,418			0	0	3	3,612	22
23	109	138	17	18	17,302	0	0	0	0	0	12	13,406			0	0	3	3,609	23
24	107	120	17	20	17,252	0	0	0	0	0	13	13,393			0	0	3	3,606	24
25	123	110	17	11	17,237	0	0	0	0	0	8	13,385			0	0	2	3,604	25
26	131	146	15	17	17,190	0	0	0	0	0	12	13,373			0	0	3	3,601	26
27	146	149	2	15	17,170	0	0	0	0	0	9	13,364			0	0	2	3,599	27
28	144	145	17	17	17,135	0	0	0	0	0	11	13,353			0	0	3	3,596	28
29	161	144	16	16	17,120	0	0	0	0	0	10	13,343			0	0	2	3,594	29
30	173	137	18	17	17,121	0	0	0	0	0	11	13,332			0	0	3	3,591	30
31	158	109	18	17	17,135	0	0	0	0	0	11	13,321			0	0	3	3,588	31
S.F.D.	4,421	4,610	510	674	17,135	0	0	0	0	0	427	13,321			0	0	98	3,588	S.F.D.
AC.FT.	8,769	9,144	1,012	1,337	33,986	0	0	0	0	0	847	26,422			0	0	195	7,117	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 1,087,836

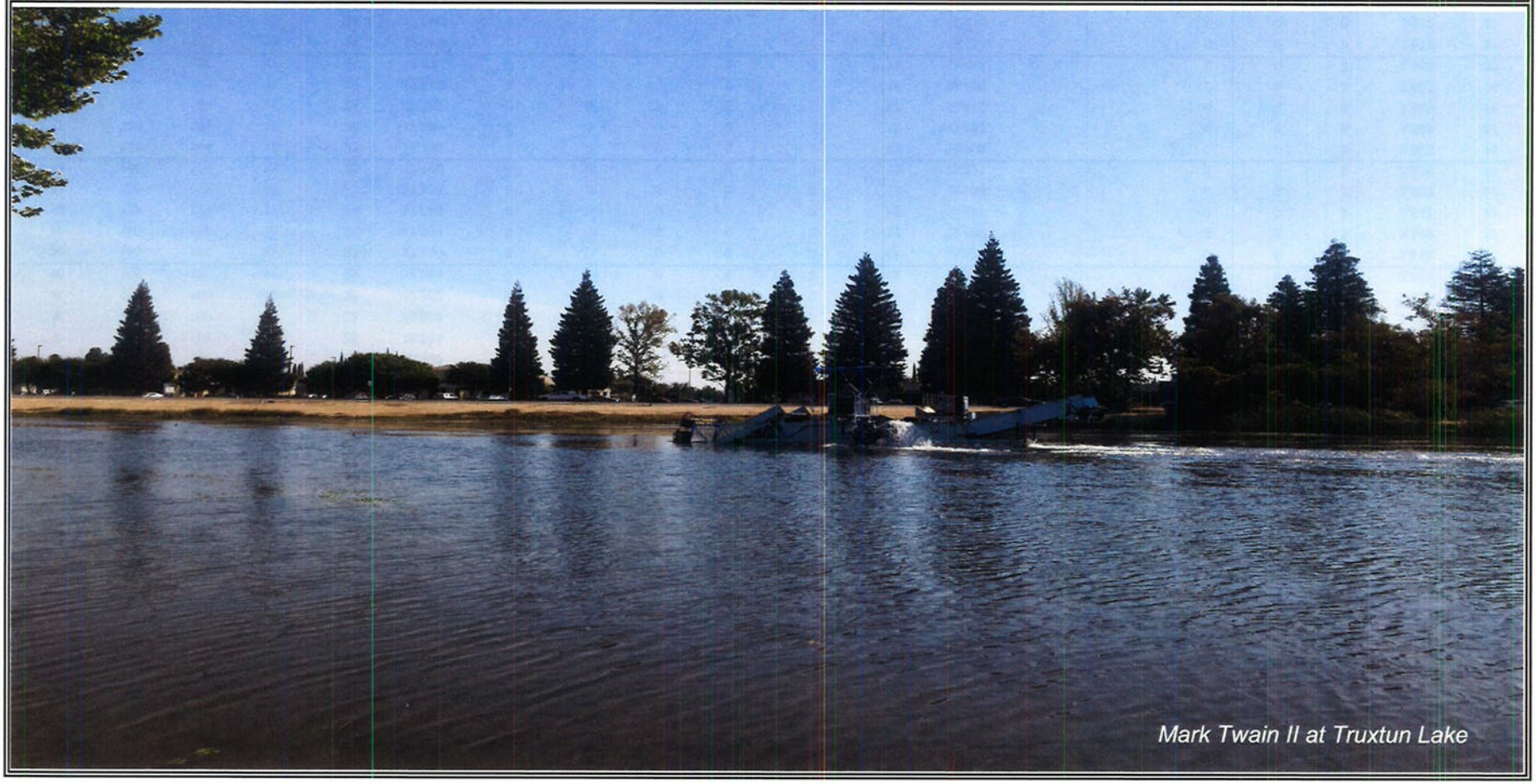
TOTAL ACRE-FOOT STORAGE DAYS 830,703

TOTAL ACRE-FOOT STORAGE DAYS 223,355

OCTOBER 2020

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
OCTOBER	17-27	1	Midnight Storage (Acre-feet)	Midnight Storages adjusted as a result to shift of rating table executed by Army Corps of Engineers.



Mark Twain II at Truxtun Lake

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

NOVEMBER 2020

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	2546.08	97,709	49,262	31	109	18	127	158	158	49,262	34,044	7	0	0	0	0	
1	2546.10	97,792	49,303	37	105	16	121	199	185	49,289	34,071	9	0	0	0	0	1
2	2546.09	97,750	49,282	33	128	16	144	156	175	49,287	34,069	8	0	0	0	0	2
3	2546.08	97,709	49,262	32	141	18	159	171	166	49,262	34,044	7	0	0	0	0	3
4	2546.07	97,668	49,241	30	146	15	161	170	163	49,234	34,016	7	0	0	0	0	4
5	2546.06	97,626	49,220	23	130	15	145	147	154	49,220	34,002	5	0	0	0	0	5
6	2546.05	97,585	49,199	32	117	16	133	144	150	49,205	33,987	7	0	0	0	0	6
7	2546.07	97,668	49,241	10	91	17	108	160	166	49,253	34,035	2	0	0	0	0	7
8	2546.11	97,833	49,324	10	94	8	102	195	183	49,324	34,106	2	0	0	0	0	8
9	2546.14	97,957	49,387	13	103	16	119	195	182	49,374	34,156	3	0	0	0	0	9
10	2546.15	97,999	49,408	15	104	16	120	156	172	49,411	34,193	3	0	0	0	0	10
11	2546.16	98,040	49,429	18	108	17	125	164	160	49,428	34,210	4	0	0	0	0	11
12	2546.17	98,081	49,449	22	104	15	119	161	158	49,445	34,227	5	0	0	0	0	12
13	2546.16	98,040	49,429	27	125	16	141	148	186	49,463	34,245	6	0	0	0	0	13
14	2546.20	98,206	49,512	25	126	15	141	249	207	49,504	34,286	6	0	0	0	0	14
15	2546.23	98,330	49,575	20	124	17	141	224	225	49,568	34,350	5	0	0	0	0	15
16	2546.24	98,372	49,596	43	124	15	139	203	205	49,591	34,373	10	0	0	0	0	16
17	2546.24	98,372	49,596	28	146	15	161	189	156	49,558	34,340	6	0	0	0	0	17
18	2546.18	98,123	49,470	23	161	17	178	75	169	49,526	34,308	5	0	0	0	0	18
19	2546.21	98,247	49,533	20	144	17	161	244	167	49,512	34,294	5	0	0	0	0	19
20	2546.21	98,247	49,533	14	152	15	167	181	206	49,537	34,319	3	0	0	0	0	20
21	2546.20	98,206	49,512	20	178	16	194	193	161	49,484	34,266	5	0	0	0	0	21
22	2546.15	97,999	49,408	25	171	17	188	109	177	49,448	34,230	6	0	0	0	0	22
23	2546.15	97,999	49,408	20	194	16	210	230	159	49,377	34,159	5	0	0	0	0	23
24	2546.11	97,833	49,324	17	191	15	206	139	196	49,350	34,132	4	0	0	0	0	24
25	2546.10	97,792	49,303	22	201	16	217	218	159	49,270	34,052	5	0	0	0	0	25
26	2546.07	97,668	49,241	23	146	14	160	121	170	49,257	34,039	5	0	0	0	0	26
27	2546.06	97,626	49,220	25	148	18	166	170	153	49,219	34,001	6	0	0	0	0	27
28	2546.05	97,585	49,199	20	154	14	168	167	178	49,209	33,991	5	0	0	0	0	28
29	2546.05	97,585	49,199	25	157	16	173	198	188	49,199	33,981	6	0	0	0	0	29
30	2546.02	97,461	49,137	22	161	15	176	136	136	49,137	33,919	5	0	0	0	0	30
TOTAL SECOND FOOT DAYS				694	4,174	469	4,643	5,212	5,212	49,137	33,919	160	0	0	0	0	
TOTAL ACRE-FEET				1,377	8,279	930	9,209	10,338	10,338	97,461	67,277	317	0	0	0	0	

By: MC Date: December 31, 2020

NOVEMBER 2020

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT							HACIENDA WATER DISTRICT						
							FLOW			FLOW ABOVE 1ST PT. CARMEL LA HACIENDA INC.			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	158	109	18	17	17,135	0	0	0	0	0	11	13,321			0	0	3	3,588	
1	185	105	16	21	17,178	0	0	0	0	0	13	13,308			0	0	3	3,585	1
2	175	128	16	18	17,191	0	0	0	0	0	12	13,296			0	0	3	3,582	2
3	166	141	18	17	17,181	0	0	0	0	0	12	13,284			0	0	3	3,579	3
4	163	146	15	17	17,166	0	0	0	0	0	11	13,273			0	0	2	3,577	4
5	154	130	15	13	17,162	0	0	0	0	0	8	13,265			0	0	2	3,575	5
6	150	117	16	17	17,162	0	0	0	0	0	12	13,253			0	0	3	3,572	6
7	166	91	17	5	17,215	0	0	0	0	0	4	13,249			0	0	1	3,571	7
8	183	94	8	5	17,291	0	0	0	0	0	4	13,245			0	0	1	3,570	8
9	182	103	16	7	17,347	0	0	0	0	0	5	13,240			0	0	1	3,569	9
10	172	104	16	9	17,390	0	0	0	0	0	5	13,235			0	0	1	3,568	10
11	160	108	17	11	17,414	0	0	0	0	0	6	13,229			0	0	1	3,567	11
12	158	104	15	12	17,441	0	0	0	0	0	8	13,221			0	0	2	3,565	12
13	186	125	16	15	17,471	0	0	0	0	0	10	13,211			0	0	2	3,563	13
14	207	126	15	14	17,523	0	0	0	0	0	9	13,202			0	0	2	3,561	14
15	225	124	17	11	17,596	0	0	0	0	0	7	13,195			0	0	2	3,559	15
16	205	124	15	25	17,637	0	0	0	0	0	15	13,180			0	0	3	3,556	16
17	156	135	15	16	17,627	0	0	0	0	0	10	13,170			11	0	2	3,543	17
18	169	146	17	13	17,620	0	0	0	0	0	8	13,162			15	0	2	3,526	18
19	167	96	17	11	17,663	0	0	0	0	0	7	13,155			48	0	2	3,476	19
20	206	92	15	8	17,754	0	0	0	0	0	5	13,150			60	0	1	3,415	20
21	161	115	16	12	17,772	0	0	0	0	0	7	13,143			63	0	1	3,351	21
22	177	113	17	14	17,805	0	0	0	0	0	9	13,134			58	0	2	3,291	22
23	159	138	16	12	17,798	0	0	0	0	0	7	13,127			56	0	1	3,234	23
24	196	141	15	10	17,828	0	0	0	0	0	6	13,121			50	0	1	3,183	24
25	159	156	16	12	17,803	0	0	0	0	0	8	13,113			45	0	2	3,136	25
26	170	104	14	13	17,842	0	0	0	0	0	8	13,105			42	0	2	3,092	26
27	153	100	18	14	17,863	0	0	0	0	0	9	13,096			48	0	2	3,042	27
28	178	110	14	12	17,905	0	0	0	0	0	7	13,089			44	0	1	2,997	28
29	188	111	16	14	17,952	0	0	0	0	0	9	13,080			46	0	2	2,949	29
30	136	114	15	13	17,946	0	0	0	0	0	8	13,072			47	0	1	2,901	30
S.F.D.	5,212	3,541	469	391	17,946	0	0	0	0	0	249	13,072			633	0	54	2,901	S.F.D.
AC.FT.	10,338	7,024	930	775	35,595	0	0	0	0	0	494	25,928			1,255	0	108	5,754	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 1,044,382

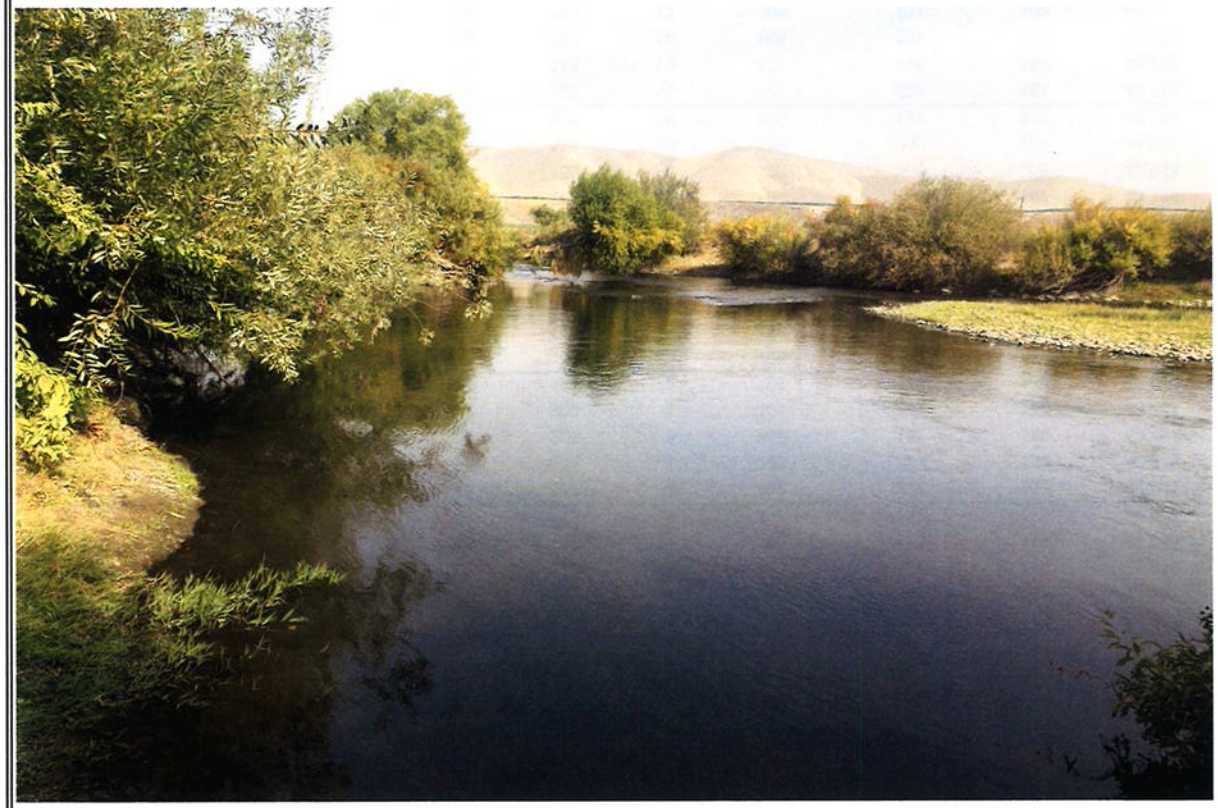
TOTAL ACRE-FOOT STORAGE DAYS 784,667

TOTAL ACRE-FOOT STORAGE DAYS 202,820

NOVEMBER 2020

WATERMASTER NOTES *** KERN RIVER BULLETIN

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



KERN RIVER NEAR KERN RIVER GOLF COURSE

HISTORICALLY LOW NOVEMBER KERN RIVER NATURAL FLOWS
1893-2020

	YEAR	MONTHLY NATURAL FLOW TOTAL	FOLLOWING YEAR A-J
1.	2014	7,880	12%
2.	1931	8,241	114%
3.	1990	8,340	60%
4.	1977	8,456	237%
5.	1929	9,035	50%
6.	2013	9,328	20%
7.	1961	9,554	112%
8.	1948	9,586	45%
9.	2016	9,681	260%
10.	1898	9,884	46%
11.	2007	10,100	64%
12.	2015	10,308	48%
13.	**2020**	**10,338**	**TBD**

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

DECEMBER 2020

	ISABELLA RESERVOIR									MEAN STORAGE				SECOND POINT GROUP FLOW			
	ELEVATION	MIDNIGHT STORAGE			FLOW AT 1ST	FLOW ABOVE	FIRST POINT REGULATED	CHANGE IN STORAGE+LOSS +1ST POINT REGULATED	COMPUTED 1ST POINT NATURAL	Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)		KERN COUNTY RECREATION	TOTAL FLOW AT SECOND	AT 2ND POINT		FRIANT-KERN	
DAY	(FEET)	ACRE-FEET	S.F.D.	LOSS	POINT	1ST POINT	FLOW	FLOW	FLOW	TOTAL	IRRIGATION	POOL LOSS	POINT	KERN RIVER	FRIANT-KERN	INFLOW	DAY
Previous Day	2546.02	97,461	49,137	22	161	15	176	136	136	49,137	33,919	5	0	0	0	0	
1	2546.02	97,461	49,137	18	181	14	195	213	213	49,137	33,919	4	0	0	0	0	1
2	2546.02	97,461	49,137	27	173	14	187	214	198	49,121	33,903	6	0	0	0	0	2
3	2546.00	97,380	49,096	29	166	14	180	168	186	49,098	33,880	7	0	0	0	0	3
4	2545.99	97,339	49,075	16	166	14	180	175	157	49,059	33,841	4	0	0	0	0	4
5	2545.95	97,174	48,992	19	178	14	192	128	168	49,016	33,798	4	0	0	0	0	5
6	2545.95	97,174	48,992	18	180	2	182	200	185	49,001	33,783	4	0	0	0	0	6
7	2545.94	97,133	48,971	40	207	1	208	227	195	48,948	33,730	9	0	0	0	0	7
8	2545.90	96,968	48,888	32	205	3	208	157	189	48,897	33,679	7	0	0	0	0	8
9	2545.88	96,886	48,847	22	200	1	201	182	170	48,844	33,626	5	0	0	0	0	9
10	2545.86	96,804	48,805	24	187	2	189	171	186	48,817	33,599	6	0	0	0	0	10
11	2545.85	96,763	48,785	27	196	2	198	205	177	48,769	33,551	6	0	0	0	0	11
12	2545.83	96,681	48,743	8	188	1	189	155	156	48,728	33,510	2	0	0	0	0	12
13	2545.78	96,476	48,640	14	194	2	196	107	169	48,687	33,469	3	0	0	0	0	13
14	2545.80	96,558	48,681	13	192	0	192	246	190	48,672	33,454	3	0	0	0	0	14
15	2545.81	96,599	48,702	14	181	1	182	217	216	48,692	33,474	3	0	0	0	0	15
16	2545.81	96,599	48,702	14	171	1	172	186	200	48,706	33,488	3	0	0	0	0	16
17	2545.82	96,640	48,723	11	164	2	166	198	197	48,726	33,508	3	0	0	0	0	17
18	2545.83	96,681	48,743	13	158	14	172	205	203	48,744	33,526	3	0	0	0	0	18
19	2545.84	96,722	48,764	14	156	14	170	205	201	48,761	33,543	3	0	0	0	0	19
20	2545.84	96,722	48,764	16	161	15	176	192	201	48,770	33,552	4	0	0	0	0	20
21	2545.85	96,763	48,785	14	157	14	171	206	184	48,769	33,551	3	0	0	0	0	21
22	2545.83	96,681	48,743	25	158	13	171	154	199	48,772	33,554	6	0	0	0	0	22
23	2545.84	96,722	48,764	30	172	14	186	237	197	48,753	33,535	7	0	0	0	0	23
24	2545.83	96,681	48,743	32	178	12	190	201	190	48,721	33,503	7	0	0	0	0	24
25	2545.79	96,517	48,661	24	177	12	189	131	187	48,695	33,477	6	0	0	0	0	25
26	2545.80	96,558	48,681	19	177	14	191	230	213	48,698	33,480	4	0	0	0	0	26
27	2545.84	96,722	48,764	7	175	14	189	279	244	48,746	33,528	2	0	0	0	0	27
28	2545.85	96,763	48,785	8	181	14	195	224	235	48,778	33,560	2	0	0	0	0	28
29	2545.84	96,722	48,764	10	198	15	213	202	202	48,757	33,539	2	0	0	0	0	29
30	2545.82	96,640	48,723	13	195	13	208	180	187	48,723	33,505	3	0	0	0	0	30
31	2545.81	96,599	48,702	11	151	14	165	155	155	48,702	33,484	3	0	0	0	0	31
TOTAL SECOND FOOT DAYS				582	5,523	280	5,803	5,950	5,950	48,702	33,484	134	0	0	0	0	
TOTAL ACRE-FEET				1,154	10,955	555	11,510	11,802	11,802	96,599	66,415	266	0	0	0	0	

By: MC Date: January 12, 2021

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

DECEMBER 2020

	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 1ST	VIA	VIA	AT 2ND	La HACIENDA	RESERVOIR		Contributed by:		FOR	FOR	RESERVOIR		
DAY	POINT	POINT	POINT	LOSS	STORAGE	POINT	KDWD	CWD	POINT	INC.	LOSS	STORAGE	NKWSD	BVWSD	ID#4	KCWA	LOSS	STORAGE	DAY
Previous Day	136	114	15	13	17,946	0	0	0	0	0	8	13,072			47	0	1	2,901	
1	213	136	14	11	17,998	0	0	0	0	0	6	13,066			45	0	1	2,855	1
2	198	126	14	15	18,041	0	0	0	0	0	10	13,056			47	0	2	2,806	2
3	186	118	14	17	18,078	0	0	0	0	0	10	13,046			48	0	2	2,756	3
4	157	125	14	9	18,087	0	0	0	0	0	6	13,040			41	0	1	2,714	4
5	168	127	14	11	18,103	0	0	0	0	0	7	13,033			51	0	1	2,662	5
6	185	134	2	11	18,141	0	0	0	0	0	6	13,027			46	0	1	2,615	6
7	195	134	1	24	18,177	0	0	0	0	0	14	13,013			73	0	2	2,540	7
8	189	129	3	19	18,215	0	0	0	0	0	11	13,002			76	0	2	2,462	8
9	170	116	1	13	18,255	0	0	0	0	0	8	12,994			84	0	1	2,377	9
10	186	117	2	15	18,307	0	0	0	0	0	8	12,986			70	0	1	2,306	10
11	177	123	2	16	18,343	0	0	0	0	0	10	12,976			73	0	1	2,232	11
12	156	115	1	5	18,378	0	0	0	0	0	3	12,973			73	0	0	2,159	12
13	169	115	2	8	18,422	0	0	0	0	0	5	12,968			79	0	1	2,079	13
14	190	115	0	7	18,490	0	0	0	0	0	5	12,963			77	0	1	2,001	14
15	216	115	1	8	18,582	0	0	0	0	0	5	12,958			66	0	1	1,934	15
16	200	109	1	8	18,664	0	0	0	0	0	5	12,953			62	0	1	1,871	16
17	197	99	2	7	18,753	0	0	0	0	0	4	12,949			65	0	0	1,806	17
18	203	90	14	7	18,845	0	0	0	0	0	5	12,944			68	0	1	1,737	18
19	201	96	14	8	18,928	0	0	0	0	0	5	12,939			60	0	1	1,676	19
20	201	105	15	9	19,000	0	0	0	0	0	6	12,933			56	0	1	1,619	20
21	184	105	14	8	19,057	0	0	0	0	0	5	12,928			52	0	1	1,566	21
22	199	104	13	15	19,124	0	0	0	0	0	9	12,919			54	0	1	1,511	22
23	197	119	14	18	19,170	0	0	0	0	0	11	12,908			53	0	1	1,457	23
24	190	129	12	20	19,199	0	0	0	0	0	11	12,897			49	0	1	1,407	24
25	187	125	12	15	19,234	0	0	0	0	0	8	12,889			52	0	1	1,354	25
26	213	124	14	11	19,298	0	0	0	0	0	7	12,882			53	0	1	1,300	26
27	244	125	14	5	19,398	0	0	0	0	0	2	12,880			50	0	0	1,250	27
28	235	133	14	5	19,481	0	0	0	0	0	3	12,877			48	0	0	1,202	28
29	202	145	15	6	19,517	0	0	0	0	0	4	12,873			53	0	0	1,149	29
30	187	149	13	8	19,534	0	0	0	0	0	5	12,868			46	0	0	1,103	30
31	155	96	14	7	19,577	0	0	0	0	0	4	12,859			55	0	0	1,048	31
S.F.D.	5,950	3,698	280	346	19,577	0	0	0	0	0	208	12,859			1,825	0	28	1,048	S.F.D.
AC.FT.	11,802	7,335	555	686	38,831	0	0	0	0	0	413	25,505			3,620	0	55	2,079	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 1,151,197

TOTAL ACRE-FOOT STORAGE DAYS 796,560

TOTAL ACRE-FOOT STORAGE DAYS 118,124

DECEMBER 2020

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 2020 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)
DECEMBER	11	1	Midnight Storage (Acre-feet)	Midnight Storage adjusted as a result of strong wind conditions.

CARRIER CANAL HEADGATE

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: January 2020 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	29512
LESS NON-CONTRIBUTING CANALS.....	18446
FOR OTHERS AND FIRST POINT CANALS.....	11066
TO BE CONTRIBUTED BY OTHER CANALS.....	676
TO BE USED BY OTHER CANALS.....	10390
EACH OTHER CANAL TO RECEIVE.....	N/A % OF IT'S DIVERSION RIGHT

QUANTITIES IN: ACRE-FEET

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

DIVERSION RIGHT				GROSS	GROSS	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS		ISABELLA RESERVOIR				
RIVER STAGE	AMT.	NAME OF CANAL		DIV'R	ENT'L	To River	Distribution Direct	Distribution Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
		K.C.L. Co. ENT'L @ 2ND PT.																							
300.0	300	KERN ISLAND (1-ST)		6674	18446	9953					8493			200			6674		726		851	1671	23	169	2330
		EASTSIDE		611													611								
		KERN RIVER CONDUIT																							
320.0	20	CASTRO			307																0	0	0	0	0
		KCC&W Co.			851		68			1226				645					2154		0	16706	154	1473	15079
330.5	10.5	SOUTH FORK			615		30					645	645								0	600		0	600
410.5	80	BUENA VISTA (1-ST)		50	4600	4253					347			200			50		694		200	894	7	397	690
530.5	120	JAMES (1-ST)			3850		3328		6008	1170															
550.5	20	ANDERSON (1-ST)			56		1095		1151																
700.5	150	STINE		6998	111		7453				7564		200				6998		111		558	1260	15	303	1500
730.5	30	MEACHAM					948		948																
880.5	150	FARMERS		700			935				935		200				700				582	1478	13	547	1500
920.5	40	PLUNKET					240		240																
960.5	40	JOYCE					109		109																
1000.5	40	JOHNSON																							
1130.5	130	PIONEER (1-ST)																							
1190.5	60	BEARDSLEY (1-ST)		64														64			0	13178	123	64	12991
		LERDO (NKWSD)		3189											3189						5267	41465	417	0	46315
1200.5	10	ANDERSON (2-ND)																							
1240.5	40	JAMES & DIXON																							
1250.5	10	WILSON																			7458	77252	752	2953	81005
		KCC&W Co.																							
1276.5	26	McCAFFREY																							
		McCORD	LERDO 30%																						
1376.5	100		BEARDSLEY 70%																						
		CALLOWAY	CENTRAL 20%	2698										1712		986			587						
2226.5	850		NKWSD 80%																						
		RAILROAD	KCC&W Co. 20%																						
2426.5	200		NKWSD 80%																						
2516.5	90	BUENA VISTA (2-ND)																							
2696.5	180	JAMES (2-ND)																							
2866.5	170	PIONEER (2-ND)																							
3106.5	240	BEARDSLEY (3-RD)																							
3162.5	56	KERN ISLAND (2-ND)																							
		COUNTY OF KERN														30									
		CALIFORNIA WATER SERVICE CO.														807									
		OLCESE WD																							
		PANORAMA PRESERVE																							
		TRUXTUN LAKES		326												326									
		ARVIN EDISON TURNOUT																							
		THE PARK AT RIVER WALK																							
		WILSON DITCH		23												23									
		AERA PARK		99												99									
		ROSEDALE RBWSD																							
		PIONEER INLET																							
		PIONEER PROJECT																							
		2800 ACRES SPREADING		89												89									
		KERN WATER BANK CANAL																							
		1ST POINT PASSING 2ND POINT																							
		BVWSD FOR/VIA KDWD																							
		BVWSD FOR/VIA OTHERS																							
TOTALS			837	21521	28836	14206	14206	0	8456	2396	17339	645	1045	2757	3189	2360	15033	64	4272	0					
		LOSS		4948	676														4272						
FLOW AT FIRST POINT			837	26469	29512																				

TOTAL CHANGE IN STORAGE = 3753

NOTES:

Cally. (Central): Hacienda/ID4 LR= 1712

River Loss: Hacienda/ID4 LR= 587

NKWSD/KCC&W Co. Ent'l: Reflects release to City (Due to inability to divert natural flow ent'l) = 1170

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: February 2020 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	26370
LESS NON-CONTRIBUTING CANALS.....	17256
FOR OTHERS AND FIRST POINT CANALS.....	9114
TO BE CONTRIBUTED BY OTHER CANALS.....	633
TO BE USED BY OTHER CANALS.....	8481
EACH OTHER CANAL TO RECEIVE.....	N/A % OF IT'S DIVERSION RIGHT

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)...	0
B.V.W.S.D. ENTITLEMENT.....	0
SEEPAGE LOSS.....	633
KERN RIVER CONDUIT ENTITLEMENT.....	0
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	633

DIVERSION RIGHT				GROSS	GROSS	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS		ISABELLA RESERVOIR				
RIVER STAGE	AMT.	NAME OF CANAL		DIV'R	ENT'L	To River	Distribution Direct	Distribution Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
		K.C.L. Co. ENT'L @ 2ND PT.																							
300.0	300	KERN ISLAND (1-ST)		10219	17256						17256		109				10328				6795	2330	67	0	9058
		EASTSIDE		133													133								
		KERN RIVER CONDUIT																							
320.0	20	CASTRO			286																0	0	0	0	0
		KCC&W Co.			789					1075				75							823	0	15079	173	2281	12625
330.5	10.5	SOUTH FORK			573							573		34							607	600		0	1207
410.5	80	BUENA VISTA (1-ST)		2176	4213						4213						2176		337		1704	690	17	4	2373
530.5	120	JAMES (1-ST)			2620				2620																
550.5	20	ANDERSON (1-ST)																							
700.5	150	STINE																	66		0	1500	15	66	1419
730.5	30	MEACHAM																							
880.5	150	FARMERS																			0	1500	18	0	1482
920.5	40	PLUNKET																							
960.5	40	JOYCE																							
1000.5	40	JOHNSON																							
1130.5	130	PIONEER (1-ST)																							
1190.5	60	BEARDSLEY (1-ST)		585														585			0	12991	147	585	12259
		LERDO (NKWSD)		1670											1670						1888	46315	534	938	46731
1200.5	10	ANDERSON (2-ND)																							
1240.5	40	JAMES & DIXON																							
1250.5	10	WILSON																			10994	81005	971	3874	87154
		KCC&W Co.																							
1276.5	26	McCAFFREY																							
		McCORD LERDO 30%																							
1376.5	100	BEARDSLEY 70%																							
		CALLOWAY CENTRAL 20%		2293										1398		895			341						
2226.5	850	NKWSD 80%																							
		RAILROAD KCC&W Co. 20%																							
2426.5	200	NKWSD 80%																							
2516.5	90	BUENA VISTA (2-ND)																							
2696.5	180	JAMES (2-ND)																							
2866.5	170	PIONEER (2-ND)																							
3106.5	240	BEARDSLEY (3-RD)																							
3162.5	56	KERN ISLAND (2-ND)																							
		COUNTY OF KERN														32									
		CALIFORNIA WATER SERVICE CO.														753									
		OLCESE WD																							
		PANORAMA PRESERVE																							
		TRUXTUN LAKES		853												853									
		ARVIN EDISON TURNOUT																							
		THE PARK AT RIVER WALK		75												75									
		WILSON DITCH																							
		AERA PARK																							
		ROSEDALE RBWSD																							
		PIONEER INLET																							
		PIONEER PROJECT																							
		2800 ACRES SPREADING																							
		KERN WATER BANK CANAL																							
		1ST POINT PASSING 2ND POINT																							
		BVWSD FOR/VIA KDWD																							
		BVWSD FOR/VIA OTHERS																							
TOTALS			785	18004	25737	0	0	0	2620	1075	21469	573	109	1507	1670	2608	12637	585	1567	0					
		LOSS		2200	633														1567						
FLOW AT FIRST POINT			785	20204	26370																				

TOTAL CHANGE IN STORAGE = 6149

NOTES:

KDWD Storage Transfer to KCC&W Co.=	75
KDWD Storage Transfer to South Fork=	34
Cally. (Central): City Non-ID4 Water=	895
Cally. Exch. Less: Hacienda/ID4 LR=	1398
River Loss: Hacienda/ID4 LR=	341

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: March 2020 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	30006
LESS NON-CONTRIBUTING CANALS.....	17770
FOR OTHERS AND FIRST POINT CANALS.....	12236
TO BE CONTRIBUTED BY OTHER CANALS.....	12236
TO BE USED BY OTHER CANALS.....	0
EACH OTHER CANAL TO RECEIVE.....	N/A % OF IT'S DIVERSION RIGHT

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)...	0
B.V.W.S.D. ENTITLEMENT.....	3677
SEEPAGE LOSS.....	676
KERN RIVER CONDUIT ENTITLEMENT.....	7883
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	12236

DIVERSION RIGHT					GROSS	GROSS	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS	
RIVER STAGE	AMT.	NAME OF CANAL			DIV'R	ENT'L	To River	Distribution Direct	Distribution Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO
		K.C.L. Co. ENT'L @ 2ND PT.																			
300.0	300	KERN ISLAND (1-ST)			9122	17770						17770						9122			
		EASTSIDE			2596													2596			
		KERN RIVER CONDUIT				7883					7883										
320.0	20	CASTRO																			
		KCC&W Co.																		2459	
330.5	10.5	SOUTH FORK																			
410.5	80	BUENA VISTA (1-ST)																			
530.5	120	JAMES (1-ST)																			
550.5	20	ANDERSON (1-ST)																			
700.5	150	STINE																			
730.5	30	MEACHAM																			
880.5	150	FARMERS																			
920.5	40	PLUNKET																			
960.5	40	JOYCE																			
1000.5	40	JOHNSON																			
1130.5	130	PIONEER (1-ST)																			
1190.5	60	BEARDSLEY (1-ST)			587														587		
		LERDO (NKWSD)																			
1200.5	10	ANDERSON (2-ND)																			
1240.5	40	JAMES & DIXON																			
1250.5	10	WILSON																			
		KCC&W Co.																			
1276.5	26	McCAFFREY																			
		McCORD	LERDO	30%																	
1376.5	100		BEARDSLEY	70%																	
		CALLOWAY	CENTRAL	20%	3162										2124			1038		516	
2226.5	850		NKWSD	80%																	
		RAILROAD	KCC&W Co.	20%																	
2426.5	200		NKWSD	80%																	
2516.5	90	BUENA VISTA (2-ND)																			
2696.5	180	JAMES (2-ND)																			
2866.5	170	PIONEER (2-ND)																			
3106.5	240	BEARDSLEY (3-RD)																			
3162.5	56	KERN ISLAND (2-ND)																			
		COUNTY OF KERN																67			
		CALIFORNIA WATER SERVICE CO.																810			
		OLCESE WD																5			
		PANORAMA PRESERVE																			
		TRUXTUN LAKES			742													742			
		ARVIN EDISON TURNOUT																			
		THE PARK AT RIVER WALK			85													85			
		WILSON DITCH			111													111			
		AERA PARK			62													62			
		ROSEDALE RBWSD																			
		PIONEER INLET																			
		PIONEER PROJECT																			
		2800 ACRES SPREADING																			
		KERN WATER BANK CANAL																			
		1ST POINT PASSING 2ND POINT																			
		BVWSD FOR/VIA KDWD																			
		BVWSD FOR/VIA OTHERS																			
TOTALS				882	16467	25653	0	0	0	0	7883	17770	0	0	2124	0	2920	11718	587	2975	0
			LOSS		3651	676														2975	
FLOW AT FIRST POINT				882	20118	26329															

ISABELLA RESERVOIR				
IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
6052	9058	125	0	14985
0	0	0	0	0
2651	12625	173	147	14956
0	1207		0	1207
0	2373	26	0	2347
0	1419	16	0	1403
0	1482	16	0	1466
0	12259	132	587	11540
0	46731	516	0	46215
8703	87154	1004	734	94119

TOTAL CHANGE IN STORAGE = 6965

NOTES:

Cally. (Central): City Non-ID4 Water= 1038
Cally. Exch. Less: Hacienda/ID4 LR= 2124
River Loss: Hacienda/ID4 LR= 516

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: April 2020 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	59213
LESS NON-CONTRIBUTING CANALS.....	17808
FOR OTHERS AND FIRST POINT CANALS.....	41405
TO BE CONTRIBUTED BY OTHER CANALS.....	31268
TO BE USED BY OTHER CANALS.....	10137
EACH OTHER CANAL TO RECEIVE.....	N/A % OF IT'S DIVERSION RIGHT

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)...	625
B.V.W.S.D. ENTITLEMENT.....	13158
SEEPAGE LOSS.....	655
KERN RIVER CONDUIT ENTITLEMENT.....	16830
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	31268

DIVERSION RIGHT				GROSS	GROSS	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS		ISABELLA RESERVOIR				
RIVER STAGE	AMT.	NAME OF CANAL		DIV'R	ENT'L	To River	Distribution Direct	Distribution Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
		K.C.L. Co. ENT'L @ 2ND PT.			625				625																
300.0	300	KERN ISLAND (1-ST)		7878	17808						17808		9478				10279		149		3671	14985	208	5248	13200
		EASTSIDE		1880													1880								
		KERN RIVER CONDUIT			16830					16830															
320.0	20	CASTRO			54																0	0	0	0	0
		KCC&W Co.			159					213				899					11354		2630	14956	232	7004	10350
330.5	10.5	SOUTH FORK			108							108		478							586	1207		0	1793
410.5	80	BUENA VISTA (1-ST)			857						857			1600							2457	2347	46	0	4758
530.5	120	JAMES (1-ST)			1283				1283																
550.5	20	ANDERSON (1-ST)			212				212																
700.5	150	STINE			1604						1604			1600							3204	1403	36	0	4571
730.5	30	MEACHAM			323				323																
880.5	150	FARMERS			1591						1591										1591	1466	30	0	3027
920.5	40	PLUNKET			415				415																
960.5	40	JOYCE			399				399																
1000.5	40	JOHNSON			343				343																
1130.5	130	PIONEER (1-ST)			841				841																
1190.5	60	BEARDSLEY (1-ST)		603	301							301	109					603			227	11540	163	430	11174
		LERDO (NKWSD)		236										2609	173			63			8037	46215	708	12	53532
1200.5	10	ANDERSON (2-ND)			46				46																
1240.5	40	JAMES & DIXON			180				180																
1250.5	10	WILSON			24																22403	94119	1423	12694	102405
		KCC&W Co.			26					50															
1276.5	26	McCAFFREY			101				101																
		McCORD	LERDO 30%		117				117																
1376.5	100		BEARDSLEY 70%		271							271													
		CALLOWAY	CENTRAL 20%	2711	178					178				2401		310									
2226.5	850		NKWSD 80%		704				704																
		RAILROAD	KCC&W Co. 20%																						
2426.5	200		NKWSD 80%																						
2516.5	90	BUENA VISTA (2-ND)																							
2696.5	180	JAMES (2-ND)																							
2866.5	170	PIONEER (2-ND)																							
3106.5	240	BEARDSLEY (3-RD)																							
3162.5	56	KERN ISLAND (2-ND)																							
		COUNTY OF KERN														92									
		CALIFORNIA WATER SERVICE CO.														769									
		OLCESE WD														16									
		PANORAMA PRESERVE		4												4									
		TRUXTUN LAKES		710												710									
		ARVIN EDISON TURNOUT																							
		THE PARK AT RIVER WALK		179												179									
		WILSON DITCH		595												595									
		AERA PARK		256												256									
		ROSEDALE RBWSD		5774												5774									
		PIONEER INLET																							
		PIONEER PROJECT																							
		2800 ACRES SPREADING		2485												2485									
		KERN WATER BANK CANAL																							
		1ST POINT PASSING 2ND POINT																							
		BVWSD FOR/VIA KDWD																							
		BVWSD FOR/VIA OTHERS																							
TOTALS			877	23311	45400	0	0	0	5589	17271	21860	680	9587	9587	173	11190	12159	666	11503	0					
		LOSS		12158	655														11503						
FLOW AT FIRST POINT			877	35469	46055																				

TOTAL CHANGE IN STORAGE = 8286

NOTES:

Kern Island Exch. Plus: KI transfer to BV/Stine=	3200
KCC&W Co. Exch. Less: KDWD transfer=	899
South Fork Exch. Less: KDWD transfer=	478
Lerdo (NKWSD) - Other: KRC&I 30% Ent'l=	172
Lerdo (NKWSD) Exch. Less: KDWD(KI)-NKWSD=	2500
Cally Central Exch. Less: KDWD(KI)/MET/ID4=	2401
Cally Central: City Non-ID4=	310
RRBWSD- City to RRBWSD (Basic)=	5774

CITY OF BAKERSFIELD
KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: May 2020 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	86350
LESS NON-CONTRIBUTING CANALS.....	18446
FOR OTHERS AND FIRST POINT CANALS.....	67904
TO BE CONTRIBUTED BY OTHER CANALS.....	42959
TO BE USED BY OTHER CANALS.....	24945
EACH OTHER CANAL TO RECEIVE.....	N/A % OF IT'S DIVERSION RIGHT

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)...	1029
B.V.W.S.D. ENTITLEMENT.....	21598
SEEPAGE LOSS.....	676
KERN RIVER CONDUIT ENTITLEMENT.....	19656
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	42959

DIVERSION RIGHT				GROSS	GROSS	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS	
RIVER STAGE	AMT.	NAME OF CANAL		DIV'R	ENT'L	To River	Distribution Direct	Distribution Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO
		K.C.L. Co. ENT'L @ 2ND PT.			1029				1029											
300.0	300	KERN ISLAND (1-ST)		10414	18446						18446		3968	292			13071			
		EASTSIDE		3338										121			3217			
		KERN RIVER CONDUIT			19656					19656										
320.0	20	CASTRO			112															
		KCC&W Co.			327					439				6474					9872	
330.5	10.5	SOUTH FORK			230							230		347						
410.5	80	BUENA VISTA (1-ST)		210	1740						1740						210			
530.5	120	JAMES (1-ST)			2614				2614											
550.5	20	ANDERSON (1-ST)			438				438											
700.5	150	STINE			3260						3260									
730.5	30	MEACHAM			645				645											
880.5	150	FARMERS		115	3261						3261						115			
920.5	40	PLUNKET			875				875											
960.5	40	JOYCE			875				875											
1000.5	40	JOHNSON			865				865											
1130.5	130	PIONEER (1-ST)			2590				2590											
1190.5	60	BEARDSLEY (1-ST)		1004	1121							1121	5802					1004		
		LERDO (NKWSD)		7406										1107	5699			600		
1200.5	10	ANDERSON (2-ND)			179				179											
1240.5	40	JAMES & DIXON			696				696											
1250.5	10	WILSON			81															
		KCC&W Co.			79					160										
1276.5	26	McCAFFREY			426				426											
		McCORD	LERDO 30%		375				375											
1376.5	100		BEARDSLEY 70%		879							879								
		CALLOWAY	CENTRAL 20%	3572	651					651				2949		623				
2226.5	850		NKWSD 80%		2626				2626											
		RAILROAD	KCC&W Co. 20%																	
2426.5	200		NKWSD 80%																	
2516.5	90	BUENA VISTA (2-ND)																		
2696.5	180	JAMES (2-ND)																		
2866.5	170	PIONEER (2-ND)																		
3106.5	240	BEARDSLEY (3-RD)																		
3162.5	56	KERN ISLAND (2-ND)																		
		COUNTY OF KERN														119				
		CALIFORNIA WATER SERVICE CO.														1127				
		OLCESE WD														75				
		PANORAMA PRESERVE																		
		TRUXTUN LAKES		792												792				
		ARVIN EDISON TURNOUT																		
		THE PARK AT RIVER WALK		157												157				
		WILSON DITCH		576												576				
		AERA PARK		307												307				
		ROSEDALE RBWSD		4226												4226				
		PIONEER INLET																		
		PIONEER PROJECT																		
		2800 ACRES SPREADING		8555												8555				
		KERN WATER BANK CANAL																		
		1ST POINT PASSING 2ND POINT																		
		BVWSD FOR/VIA KDWD											413							
		BVWSD FOR/VIA OTHERS											1107							
TOTALS			1321	40672	64076	0	0	0	14233	20906	26707	2230	11290	11290	5699	16557	16613	1604	9872	0
		LOSS		10548	676														9872	
FLOW AT FIRST POINT			1321	51220	64752															

ISABELLA RESERVOIR				
IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
1571	13200	310	432	14029
0	0	0	0	0
7116	10350	194	6165	11107
577	1793		0	2370
1597	4758	129	67	6159
3260	4571	141	0	7690
3146	3027	108	0	6065
655	11174	264	6061	5504
8669	53532	1358	135	60708
26591	102405	2504	12860	113632

TOTAL CHANGE IN STORAGE = 11227

NOTES:

Kern Island Exch. Less: from BVWSD=	292
Eastside Exch. Less: from BVWSD=	121
KCC&W Co. Exch. Less: KDWD transfer=	672
South Fork Exch. Less: KDWD transfer=	347
Lerdo (NKWSD) - Other: KRC&I 30% Ent'l=	600
Lerdo (NKWSD) - Other: BVWSD to CWD=	1107
Cally Central Exch. Less: KDWD(KI)/MET/ID4=	2949
Cally Central: City Non-ID4=	623
RRBWSD- City to RRBWSD (Basic)=	4226
KCC&W Co. Exch. Less: Storage Transfer=	5802

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: June 2020 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	35786
LESS NON-CONTRIBUTING CANALS.....	17851
FOR OTHERS AND FIRST POINT CANALS.....	17935
TO BE CONTRIBUTED BY OTHER CANALS.....	16973
TO BE USED BY OTHER CANALS.....	962
EACH OTHER CANAL TO RECEIVE.....	N/A % OF IT'S DIVERSION RIGHT

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)...	272
B.V.W.S.D. ENTITLEMENT.....	5704
SEEPAGE LOSS.....	655
KERN RIVER CONDUIT ENTITLEMENT.....	10342
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	16973

DIVERSION RIGHT				GROSS	GROSS	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS	
RIVER STAGE	AMT.	NAME OF CANAL		DIV'R	ENT'L	To River	Distribution Direct	Distribution Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO
		K.C.L. Co. ENT'L @ 2ND PT.			272				272											
300.0	300	KERN ISLAND (1-ST)		13105	17851						17851		3693	579			16219			
		EASTSIDE		3584										589			2995			
		KERN RIVER CONDUIT			10342					10342										
320.0	20	CASTRO			10															
		KCC&W Co.			28					38									3214	
330.5	10.5	SOUTH FORK			16							16								
410.5	80	BUENA VISTA (1-ST)		3596	133						133			662			2934			
530.5	120	JAMES (1-ST)			198				198											
550.5	20	ANDERSON (1-ST)			38				38											
700.5	150	STINE		5379	250						250			341			5038			
730.5	30	MEACHAM			48				48											
880.5	150	FARMERS		2338	220						220						2338			
920.5	40	PLUNKET			21				21											
960.5	40	JOYCE																		
1000.5	40	JOHNSON																		
1130.5	130	PIONEER (1-ST)																		
1190.5	60	BEARDSLEY (1-ST)		875														875		
		LERDO (NKWSD)		12273										2725	9548					
1200.5	10	ANDERSON (2-ND)																		
1240.5	40	JAMES & DIXON																		
1250.5	10	WILSON																		
		KCC&W Co.																		
1276.5	26	McCAFFREY																		
		McCORD	LERDO 30%																	
1376.5	100		BEARDSLEY 70%																	
		CALLOWAY	CENTRAL 20%	4699										3739		960				
2226.5	850		NKWSD 80%																	
		RAILROAD	KCC&W Co. 20%																	
2426.5	200		NKWSD 80%																	
2516.5	90	BUENA VISTA (2-ND)																		
2696.5	180	JAMES (2-ND)																		
2866.5	170	PIONEER (2-ND)																		
3106.5	240	BEARDSLEY (3-RD)																		
3162.5	56	KERN ISLAND (2-ND)																		
		COUNTY OF KERN														155				
		CALIFORNIA WATER SERVICE CO.														1428				
		OLCESE WD														85				
		PANORAMA PRESERVE		2												2				
		TRUXTUN LAKES		510												510				
		ARVIN EDISON TURNOUT																		
		THE PARK AT RIVER WALK		119												119				
		WILSON DITCH		224												224				
		AERA PARK		109												109				
		ROSEDALE RBWSD																		
		PIONEER INLET		768										768						
		PIONEER PROJECT																		
		2800 ACRES SPREADING		2112												2112				
		KERN WATER BANK CANAL																		
		1ST POINT PASSING 2ND POINT																		
		BVWSD FOR/VIA KDWD											2171							
		BVWSD FOR/VIA CWD											2725							
TOTALS			1668	49693	29427	0	0	0	577	10380	18454	16	8589	9403	9548	5704	29524	875	3214	0
		LOSS		3869	655														3214	
FLOW AT FIRST POINT			1668	53562	30082															

ISABELLA RESERVOIR				
IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
269	14029	371	1632	12295
0	0	0	0	0
1861	11107	394	399	12175
16	2370		0	2386
31	6159	137	2832	3221
0	7690	151	4788	2751
102	6065	147	2220	3800
0	5504	140	875	4489
0	60708	1557	8971	50180
2279	113632	2897	21717	91297

TOTAL CHANGE IN STORAGE = -22335

NOTES:

Kern Island Exch. Less: from BVWSD=	579
Eastside Exch. Less: from BVWSD=	589
Buena Vista Exch. Less: from BVWSD=	662
Stine Exch. Less: from BVWSD=	341
Lerdo (NKWSD) - Other: BVWSD to CWD=	2725
Cally Central Exch. Less: KDWD(KI)/MET/ID4=	3693
Cally Central: City Non-ID4=	960
Cally Central Exch. Less: HWD/ID4=	46
Pioneer Inlet Exch. Less: BVWSD=	768

CITY OF BAKERSFIELD
KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: July 2020 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	15453
LESS NON-CONTRIBUTING CANALS.....	14452
FOR OTHERS AND FIRST POINT CANALS.....	1001
TO BE CONTRIBUTED BY OTHER CANALS.....	1001
TO BE USED BY OTHER CANALS.....	0
EACH OTHER CANAL TO RECEIVE.....	N/A % OF IT'S DIVERSION RIGHT

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)...	4
B.V.W.S.D. ENTITLEMENT.....	141
SEEPAGE LOSS.....	676
KERN RIVER CONDUIT ENTITLEMENT.....	180
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	1001

DIVERSION RIGHT				GROSS	GROSS	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS	
RIVER STAGE	AMT.	NAME OF CANAL		DIV'R	ENT'L	To River	Distribution Direct	Distribution Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO
		K.C.L. Co. ENT'L @ 2ND PT.			4				4											
300.0	300	KERN ISLAND (1-ST)		13035	14452						14452		7036	547			15963		706	
		EASTSIDE		3498										924			2574			
		KERN RIVER CONDUIT			180					180										
320.0	20	CASTRO																		
		KCC&W Co.												40					865	
330.5	10.5	SOUTH FORK												21						
410.5	80	BUENA VISTA (1-ST)		3514										1952			2812			
530.5	120	JAMES (1-ST)																		
550.5	20	ANDERSON (1-ST)																		
700.5	150	STINE		3357										1441			3166			
730.5	30	MEACHAM																		
880.5	150	FARMERS		1127										1024			1103			
920.5	40	PLUNKET																		
960.5	40	JOYCE																		
1000.5	40	JOHNSON																		
1130.5	130	PIONEER (1-ST)																		
1190.5	60	BEARDSLEY (1-ST)		940														940		
		LERDO (NKWSD)		14341										2741	11600					
1200.5	10	ANDERSON (2-ND)																		
1240.5	40	JAMES & DIXON																		
1250.5	10	WILSON																		
		KCC&W Co.																		
1276.5	26	McCAFFREY																		
		McCORD	LERDO 30%																	
1376.5	100		BEARDSLEY 70%																	
		CALLOWAY	CENTRAL 20%	5907										4723		1184			257	
2226.5	850		NKWSD 80%																	
		RAILROAD	KCC&W Co. 20%																	
2426.5	200		NKWSD 80%																	
2516.5	90	BUENA VISTA (2-ND)																		
2696.5	180	JAMES (2-ND)																		
2866.5	170	PIONEER (2-ND)																		
3106.5	240	BEARDSLEY (3-RD)																		
3162.5	56	KERN ISLAND (2-ND)																		
		COUNTY OF KERN														186				
		CALIFORNIA WATER SERVICE CO.														1126				
		OLCESE WD														90				
		PANORAMA PRESERVE		2												2				
		TRUXTUN LAKES		417												417				
		ARVIN EDISON TURNOUT		768										768						
		THE PARK AT RIVER WALK		123												123				
		WILSON DITCH																		
		AERA PARK																		
		ROSEDALE RBWSD																		
		PIONEER INLET		8342										8342						
		PIONEER PROJECT																	1892	
		2800 ACRES SPREADING																		
		KERN WATER BANK CANAL																		
		1ST POINT PASSING 2ND POINT																		
		BVWSD FOR/VIA KDWD																		
		BVWSD FOR/VIA OTHERS																		
TOTALS			1402	55371	14636	0	0	0	4	180	14452	0	7036	22523	11600	3128	25618	940	3720	0
		LOSS		4396	676														3720	
FLOW AT FIRST POINT			1402	59767	15312															

ISABELLA RESERVOIR

IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
86	12295	274	8438	3669
0	0	0	0	0
6	12175	540	3779	7862
21	2386		0	2407
1090	3221	113	2652	1546
1071	2751	67	2987	768
895	3800	166	998	3531
0	4489	167	940	3382
0	50180	1832	11596	36752
3169	91297	3159	31390	59917

TOTAL CHANGE IN STORAGE = -31380

NOTES:

Kern Island Exch. Less: from BVWSD=	547
Eastside Exch. Less: from BVWSD=	924
Buena Vista Exch. Less: from BVWSD=	702
Stine Exch. Less: from BVWSD=	191
Farmers Exch. Less: from BVWSD=	24
KDWD Transfer: KI to BV=	1250
KDWD Transfer: KI to Stine=	1250
KDWD Transfer: KI to Farmers=	1000
Lerdo (NKWSD) - Other: BVWSD to CWD=	2741
Cally Central Exch. Less: KDWD(KI)/MET/ID4=	3475
Cally Central: City Non-ID4=	1184
Cally Central Exch. Less: HWD/ID4=	1248
River Loss: KDWD(KI)/MET/ID4=	706
River Loss: HWD/ID4=	257
Arvin Edison Exch. Less: BVWSD=	768
Pioneer Inlet Exch. Less: BVWSD=	8342
River Loss: BVWSD=	1892
KDWD Storage Transfer to KCC&W Co=	40
KDWD Storage Transfer to South Fork=	21

CITY OF BAKERSFIELD
KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: August 2020 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	12986
LESS NON-CONTRIBUTING CANALS.....	12310
FOR OTHERS AND FIRST POINT CANALS.....	676
TO BE CONTRIBUTED BY OTHER CANALS.....	676
TO BE USED BY OTHER CANALS.....	0
EACH OTHER CANAL TO RECEIVE.....	N/A % OF IT'S DIVERSION RIGHT

QUANTITIES IN: ACRE-FEET

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

DIVERSION RIGHT				GROSS DIV'R	GROSS ENT'L	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS	
RIVER STAGE	AMT.	NAME OF CANAL				To River	Distribution Direct	Distribution Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO
		K.C.L. Co. ENT'L @ 2ND PT.																		
300.0	300	KERN ISLAND (1-ST)		9290	12310						12310		2912	323			11293		334	
		EASTSIDE		2575										1448			1127			
		KERN RIVER CONDUIT																		
320.0	20	CASTRO																		
		KCC&W Co.																		
330.5	10.5	SOUTH FORK												40					621	
410.5	80	BUENA VISTA (1-ST)												21						
530.5	120	JAMES (1-ST)												525						
550.5	20	ANDERSON (1-ST)																		
700.5	150	STINE																		
730.5	30	MEACHAM																		
880.5	150	FARMERS		2277													2277			
920.5	40	PLUNKET																		
960.5	40	JOYCE																		
1000.5	40	JOHNSON																		
1130.5	130	PIONEER (1-ST)																		
1190.5	60	BEARDSLEY (1-ST)		772														772		
		LERDO (NKWSD)		10151										3035	7116					
1200.5	10	ANDERSON (2-ND)																		
1240.5	40	JAMES & DIXON																		
1250.5	10	WILSON																		
		KCC&W Co.																		
1276.5	26	McCAFFREY																		
		McCORD	LERDO 30%																	
1376.5	100		BEARDSLEY 70%																	
		CALLOWAY	CENTRAL 20%	4742										3476		1266			169	
2226.5	850		NKWSD 80%																	
		RAILROAD	KCC&W Co. 20%																	
2426.5	200		NKWSD 80%																	
2516.5	90	BUENA VISTA (2-ND)																		
2696.5	180	JAMES (2-ND)																		
2866.5	170	PIONEER (2-ND)																		
3106.5	240	BEARDSLEY (3-RD)																		
3162.5	56	KERN ISLAND (2-ND)																		
		COUNTY OF KERN														176				
		CALIFORNIA WATER SERVICE CO.														1265				
		OLCESE WD														90				
		PANORAMA PRESERVE		2												2				
		TRUXTUN LAKES		256												256				
		ARVIN EDISON TURNOUT		1442										1442						
		THE PARK AT RIVER WALK																		
		WILSON DITCH																		
		AERA PARK																		
		ROSEDALE RBWSD																		
		PIONEER INLET		3838										3838					593	
		PIONEER PROJECT																	77	
		2800 ACRES SPREADING																		
		KERN WATER BANK CANAL																		
		1ST POINT PASSING 2ND POINT																		
		BVWSD FOR/VIA KDWD																		
		BVWSD FOR/VIA OTHERS																		
TOTALS			1531	35345	12310	0	0	0	0	0	12310	0	2912	14148	7116	3055	14697	772	1794	0
		LOSS		2470	676														1794	
FLOW AT FIRST POINT			1531	37815	12986															

ISABELLA RESERVOIR				
IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
1045	3669	139	2075	2500
0	0	0	0	0
0	7862	416	3636	3810
21	2407		0	2428
525	1546	76	0	1995
0	768	36	0	732
0	3531	115	2277	1139
0	3382	146	772	2464
0	36752	1633	7116	28003
1591	59917	2561	15876	43071

TOTAL CHANGE IN STORAGE = -16846

NOTES:

Kern Island Exch. Less: from BVWSD=	323
Eastside Exch. Less: from BVWSD=	1448
Lerdo (NKWSD) - Other: BVWSD to CWD=	3035
Cally Central Exch. Less: KDWD(KI)/MET/ID4=	2326
Cally Central: City Non-ID4=	1266
Cally Central Exch. Less: HWD/ID4=	1150
River Loss: KDWD(KI)/MET/ID4=	334
River Loss: HWD/ID4=	246
Arvin Edison Exch. Less: BVWSD=	1442
Pioneer Inlet Exch. Less: BVWSD=	3838
River Loss: BVWSD=	593
KCCW&Co. Exch Less: KDWD Stroage Trans.=	40
South Fork Exch. Less: KDWD Storage Trans.=	21
KDWD Storage Transfer: KI to BV=	525

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: September 2020 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	11167
LESS NON-CONTRIBUTING CANALS.....	10512
FOR OTHERS AND FIRST POINT CANALS.....	655
TO BE CONTRIBUTED BY OTHER CANALS.....	655
TO BE USED BY OTHER CANALS.....	0
EACH OTHER CANAL TO RECEIVE.....	N/A % OF IT'S DIVERSION RIGHT

QUANTITIES IN: ACRE-FEET

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

DIVERSION RIGHT				RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS	
RIVER STAGE	AMT.	NAME OF CANAL		To River	Distribution Direct	Distribution Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO
		K.C.L. Co. ENT'L @ 2ND PT.																
300.0	300	KERN ISLAND (1-ST)							10512		1886				7809			
		EASTSIDE													734			
		KERN RIVER CONDUIT																
320.0	20	CASTRO																
		KCC&W Co.										476					33	
330.5	10.5	SOUTH FORK										250						
410.5	80	BUENA VISTA (1-ST)													478			
530.5	120	JAMES (1-ST)																
550.5	20	ANDERSON (1-ST)																
700.5	150	STINE										510						
730.5	30	MEACHAM																
880.5	150	FARMERS										650			242			
920.5	40	PLUNKET																
960.5	40	JOYCE																
1000.5	40	JOHNSON																
1130.5	130	PIONEER (1-ST)																
1190.5	60	BEARDSLEY (1-ST)														496		
		LERDO (NKWSD)										79	4086					
1200.5	10	ANDERSON (2-ND)																
1240.5	40	JAMES & DIXON																
1250.5	10	WILSON																
		KCC&W Co.																
1276.5	26	McCAFFREY																
		McCORD	LERDO 30%															
1376.5	100		BEARDSLEY 70%															
		CALLOWAY	CENTRAL 20%															
2226.5	850		NKWSD 80%															
		RAILROAD	KCC&W Co. 20%															
2426.5	200		NKWSD 80%															
2516.5	90	BUENA VISTA (2-ND)																
2696.5	180	JAMES (2-ND)																
2866.5	170	PIONEER (2-ND)																
3106.5	240	BEARDSLEY (3-RD)																
3162.5	56	KERN ISLAND (2-ND)																
		COUNTY OF KERN												136				
		CALIFORNIA WATER SERVICE CO.												1038				
		OLCESE WD												87				
		PANORAMA PRESERVE																
		TRUXTUN LAKES																
		ARVIN EDISON TURNOUT																
		THE PARK AT RIVER WALK																
		WILSON DITCH																
		AERA PARK																
		ROSEDALE RBWSD																
		PIONEER INLET																
		PIONEER PROJECT																
		2800 ACRES SPREADING																
		KERN WATER BANK CANAL																
		1ST POINT PASSING 2ND POINT																
		BVWSD FOR/VIA KDWD																
		BVWSD FOR/VIA OTHERS																
TOTALS			1261	13924	10512	0	0	0	0	0	10512	0	1886	1965	4086	1261	9263	496	33	0
		LOSS		688	655														33	
FLOW AT FIRST POINT			1261	14612	11167															

ISABELLA RESERVOIR				
IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
2078	2500	87	1995	2496
0	0	0	0	0
11	3810	262	829	2730
250	2428		0	2678
0	1995	70	478	1447
510	732	43	0	1199
650	1139	57	242	1490
0	2464	95	496	1873
0	28003	1120	4086	22797
3499	43071	1734	8126	36710

TOTAL CHANGE IN STORAGE = -6361

NOTES:

KDWD Transfer to KCC&W Co.=	476
KDWD Transfer to South Fork=	250
Kern Island Transfer to Stine =	510
Kern Island Transfer to Farmers =	650
Lerdo (NKWSD) -Other: BVWSD to CWD =	79

CITY OF BAKERSFIELD
KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: October 2020 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	8769
LESS NON-CONTRIBUTING CANALS.....	8093
FOR OTHERS AND FIRST POINT CANALS.....	676
TO BE CONTRIBUTED BY OTHER CANALS.....	676
TO BE USED BY OTHER CANALS.....	0
EACH OTHER CANAL TO RECEIVE.....	N/A % OF IT'S DIVERSION RIGHT

QUANTITIES IN: ACRE-FEET

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

DIVERSION RIGHT				GROSS	GROSS	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS		ISABELLA RESERVOIR				
RIVER STAGE	AMT.	NAME OF CANAL		DIV'R	ENT'L	To River	Distribution Direct	Distribution Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
		K.C.L. Co. ENT'L @ 2ND PT.																							
300.0	300	KERN ISLAND (1-ST)		6890	8093	1104					6989		425				6890		71		287	2496	86	684	2013
		EASTSIDE																							
		KERN RIVER CONDUIT																							
320.0	20	CASTRO					109														0	0	0	0	0
		KCC&W Co.					306			415				278					239		59	2730	204	738	1847
330.5	10.5	SOUTH FORK					141					141		147							288	2678		0	2966
410.5	80	BUENA VISTA (1-ST)		32			141				141						32				123	1447	56	14	1500
530.5	120	JAMES (1-ST)					407		407																
550.5	20	ANDERSON (1-ST)																							
700.5	150	STINE																			0	1199	44	0	1155
730.5	30	MEACHAM																							
880.5	150	FARMERS																			0	1490	56	0	1434
920.5	40	PLUNKET																							
960.5	40	JOYCE																							
1000.5	40	JOHNSON																							
1130.5	130	PIONEER (1-ST)																							
1190.5	60	BEARDSLEY (1-ST)		484														484			0	1873	62	484	1327
		LERDO (NKWSD)		631											631						407	22797	829	631	21744
1200.5	10	ANDERSON (2-ND)																							
1240.5	40	JAMES & DIXON																							
1250.5	10	WILSON																			1164	36710	1337	2551	33986
		KCC&W Co.																							
1276.5	26	McCAFFREY																							
		McCORD	LERDO 30%																						
1376.5	100		BEARDSLEY 70%																						
		CALLOWAY	CENTRAL 20%																						
2226.5	850		NKWSD 80%																						
		RAILROAD	KCC&W Co. 20%																						
2426.5	200		NKWSD 80%																						
2516.5	90	BUENA VISTA (2-ND)																							
2696.5	180	JAMES (2-ND)																							
2866.5	170	PIONEER (2-ND)																							
3106.5	240	BEARDSLEY (3-RD)																							
3162.5	56	KERN ISLAND (2-ND)																							
		COUNTY OF KERN														99									
		CALIFORNIA WATER SERVICE CO.														849									
		OLCESE WD														64									
		PANORAMA PRESERVE																							
		TRUXTUN LAKES		121												121									
		ARVIN EDISON TURNOUT																							
		THE PARK AT RIVER WALK																							
		WILSON DITCH																							
		AERA PARK																							
		ROSEDALE RBWSD																							
		PIONEER INLET																							
		PIONEER PROJECT																							
		2800 ACRES SPREADING																							
		KERN WATER BANK CANAL																							
		1ST POINT PASSING 2ND POINT																							
		BVWSD FOR/VIA KDWD																							
		BVWSD FOR/VIA OTHERS																							
TOTALS			1012	8158	8093	1104	1104	0	407	415	7130	141	425	425	631	1133	6922	484	310	0					
		LOSS		986	676														310						
FLOW AT FIRST POINT			1012	9144	8769																				

TOTAL CHANGE IN STORAGE = -2724

NOTES:

KCCW&Co. Exch. Less: KDWD Storage Trans.=	278
South Fork Exch. Less: KDWD Storage Trans.=	147

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: November 2020 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	10338
LESS NON-CONTRIBUTING CANALS.....	9683
FOR OTHERS AND FIRST POINT CANALS.....	655
TO BE CONTRIBUTED BY OTHER CANALS.....	655
TO BE USED BY OTHER CANALS.....	0
EACH OTHER CANAL TO RECEIVE.....	N/A % OF IT'S DIVERSION RIGHT

QUANTITIES IN: ACRE-FEET

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

DIVERSION RIGHT				GROSS	GROSS	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS	
RIVER STAGE	AMT.	NAME OF CANAL		DIV'R	ENT'L	To River	Distribution Direct	Distribution Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO
		K.C.L. Co. ENT'L @ 2ND PT.																		
300.0	300	KERN ISLAND (1-ST)		4409	9683	6308					3375						4409		8	
		EASTSIDE																		
		KERN RIVER CONDUIT																		
320.0	20	CASTRO					297													
		KCC&W Co.					893			1190				2991					77	
330.5	10.5	SOUTH FORK					625					625	2991							
410.5	80	BUENA VISTA (1-ST)		619			236				236						619		85	
530.5	120	JAMES (1-ST)					4124		4124											
550.5	20	ANDERSON (1-ST)					133		133											
700.5	150	STINE																		
730.5	30	MEACHAM																		
880.5	150	FARMERS		50													50			
920.5	40	PLUNKET																		
960.5	40	JOYCE																		
1000.5	40	JOHNSON																		
1130.5	130	PIONEER (1-ST)																		
1190.5	60	BEARDSLEY (1-ST)		446														446		
		LERDO (NKWSD)		619											619					
1200.5	10	ANDERSON (2-ND)																		
1240.5	40	JAMES & DIXON																		
1250.5	10	WILSON																		
		KCC&W Co.																		
1276.5	26	McCAFFREY																		
		McCORD	LERDO 30%																	
1376.5	100		BEARDSLEY 70%																	
		CALLOWAY	CENTRAL 20%	960										904		56			351	
2226.5	850		NKWSD 80%																	
		RAILROAD	KCC&W Co. 20%																	
2426.5	200		NKWSD 80%																	
2516.5	90	BUENA VISTA (2-ND)																		
2696.5	180	JAMES (2-ND)																		
2866.5	170	PIONEER (2-ND)																		
3106.5	240	BEARDSLEY (3-RD)																		
3162.5	56	KERN ISLAND (2-ND)																		
		COUNTY OF KERN														66				
		CALIFORNIA WATER SERVICE CO.														831				
		OLCESE WD														33				
		PANORAMA PRESERVE																		
		TRUXTUN LAKES																		
		ARVIN EDISON TURNOUT																		
		THE PARK AT RIVER WALK																		
		WILSON DITCH																		
		AERA PARK																		
		ROSEDALE RBWSD																		
		PIONEER INLET																		
		PIONEER PROJECT																		
		2800 ACRES SPREADING																		
		KERN WATER BANK CANAL																		
		1ST POINT PASSING 2ND POINT																		
		BVWSD FOR/VIA KDWD																		
		BVWSD FOR/VIA OTHERS																		
TOTALS			930	7103	9683	6308	6308	0	4257	1190	3611	625	2991	3895	619	986	5078	446	521	0
		LOSS		1176	655														521	
FLOW AT FIRST POINT			930	8279	10338															

ISABELLA RESERVOIR

IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
3	2013	31	1045	940
0	0	0	0	0
3160	1847	115	42	4850
605	2966		2971	600
4	1500	32	472	1000
0	1155	26	0	1129
0	1434	32	50	1352
0	1327	24	446	857
3638	21744	515	0	24867
7410	33986	775	5026	35595

TOTAL CHANGE IN STORAGE = 1609

NOTES:

Cally Central: City Non-ID4=	56
Cally Central Exch. Less: HWD/ID4=	904
River Loss: HWD/ID4=	351
South Fork Exch. Less: KCC&W Storage Trans.=	2991

CITY OF BAKERSFIELD
KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: December 2020 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	11802
LESS NON-CONTRIBUTING CANALS.....	11125
FOR OTHERS AND FIRST POINT CANALS.....	677
TO BE CONTRIBUTED BY OTHER CANALS.....	676
TO BE USED BY OTHER CANALS.....	1
EACH OTHER CANAL TO RECEIVE.....	N/A % OF IT'S DIVERSION RIGHT

QUANTITIES IN: ACRE-FEET

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

DIVERSION RIGHT				GROSS DIV'R	GROSS ENT'L	RELEASES			ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES				EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS				WATER TRANS. LOSS	
RIVER STAGE	AMT.	NAME OF CANAL				To River	Distribution Direct	Distribution Pro	NKWSD	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO
		K.C.L. Co. ENT'L @ 2ND PT.																		
300.0	300	KERN ISLAND (1-ST)		1894	11126	9076					2050						1894		157	
		EASTSIDE																		
		KERN RIVER CONDUIT																		
320.0	20	CASTRO					307												0	0
		KCC&W Co.					902			1209				661					152	
330.5	10.5	SOUTH FORK					655					655	655						0	600
410.5	80	BUENA VISTA (1-ST)					191				191								191	
530.5	120	JAMES (1-ST)					5576		5576											
550.5	20	ANDERSON (1-ST)					718		718											
700.5	150	STINE					12				12								12	
730.5	30	MEACHAM					593		593											
880.5	150	FARMERS					122				122								122	
920.5	40	PLUNKET																		
960.5	40	JOYCE																		
1000.5	40	JOHNSON																		
1130.5	130	PIONEER (1-ST)																		
1190.5	60	BEARDSLEY (1-ST)		417														417		
		LERDO (NKWSD)		3977										4	3977					
1200.5	10	ANDERSON (2-ND)																		
1240.5	40	JAMES & DIXON																		
1250.5	10	WILSON																		
		KCC&W Co.																		
1276.5	26	McCAFFREY																		
		McCORD	LERDO 30%																	
1376.5	100		BEARDSLEY 70%																	
		CALLOWAY	CENTRAL 20%	2728										2666		62			954	
2226.5	850		NKWSD 80%																	
		RAILROAD	KCC&W Co. 20%																	
2426.5	200		NKWSD 80%																	
2516.5	90	BUENA VISTA (2-ND)																		
2696.5	180	JAMES (2-ND)																		
2866.5	170	PIONEER (2-ND)																		
3106.5	240	BEARDSLEY (3-RD)																		
3162.5	56	KERN ISLAND (2-ND)																		
		COUNTY OF KERN														44				
		CALIFORNIA WATER SERVICE CO.														500				
		OLCESE WD														11				
		PANORAMA PRESERVE																		
		TRUXTUN LAKES																		
		ARVIN EDISON TURNOUT																		
		THE PARK AT RIVER WALK																		
		WILSON DITCH																		
		AERA PARK																		
		ROSEDALE RBWSD																		
		PIONEER INLET																		
		PIONEER PROJECT																		
		2800 ACRES SPREADING																		
		KERN WATER BANK CANAL																		
		1ST POINT PASSING 2ND POINT																		
		BVWSD FOR/VIA KDWD																		
		BVWSD FOR/VIA OTHERS											10							
TOTALS			555	9016	11126	9076	9076	0	6887	1209	2375	655	665	3331	3977	617	1894	417	1263	0
		LOSS		1939	676														1263	
FLOW AT FIRST POINT			555	10955	11802															

ISABELLA RESERVOIR				
IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
51	940	18	52	921
0	0	0	0	0
1101	4850	107	0	5844
0	600		0	600
191	1000	22	0	1169
12	1129	22	0	1119
122	1352	25	0	1449
0	857	12	417	428
2914	24867	480	0	27301
4391	35595	686	469	38831

TOTAL CHANGE IN STORAGE = 3236

NOTES:

Cally Central: City Non-ID4= 62

Cally Central Exch. Less: HWD/ID4= 2666

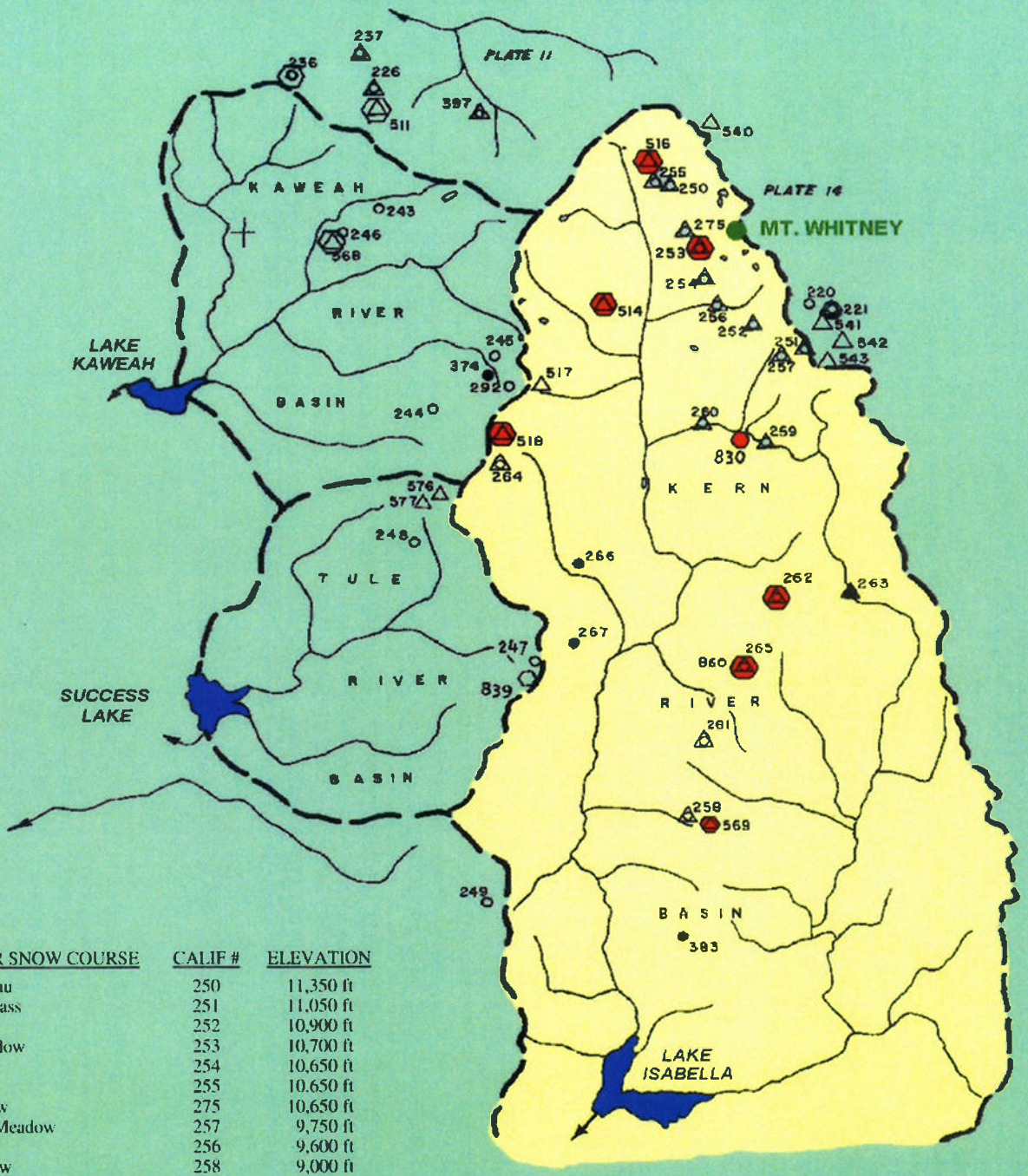
River Loss: HWD/ID4= 954

South Fork Exch. Less: KCC&W Storage Trans.= 655

BVWSD Transfer to 1st Pt. Grp.: NKWSD (4); City (6)

KERN RIVER BASIN

Drainage Basin Above Lake Isabella = 2,074 Square Miles



KERN RIVER SNOW COURSE	CALIF #	ELEVATION
Bighorn Plateau	250	11,350 ft
Cottonwood Pass	251	11,050 ft
Siberian Pass	252	10,900 ft
Crabtree Meadow	253	10,700 ft
Guyot Flat	254	10,650 ft
Tyndall Creek	255	10,650 ft
Sandy Meadow	275	10,650 ft
Big Whitney Meadow	257	9,750 ft
Rock Creek	256	9,600 ft
Round Meadow	258	9,000 ft
Ramshaw Meadow	259	8,700 ft
Little Whitney Meadow	260	8,500 ft
Quinn Ranger Station	264	8,350 ft
Bonita Meadows	261	8,300 ft
Casa Vieja Meadows	262	8,300 ft
Beach Meadows	265	7,650 ft
Dead Horse Meadow	249	7,300 ft

KERN RIVER SNOW SENSOR		
Upper Tyndall Creek	516	11,400 ft
Crabtree Meadow	253	10,700 ft
Chagoopa Plateau	514	10,300 ft
Pascoe	569	9,150 ft
Wet Meadow (W)	518	8,950 ft
Tunnel Guard Station (W)	830	8,900 ft
Casa Vieja Meadows (W)	262	8,300 ft
Beach Meadows	860	7,650 ft

N

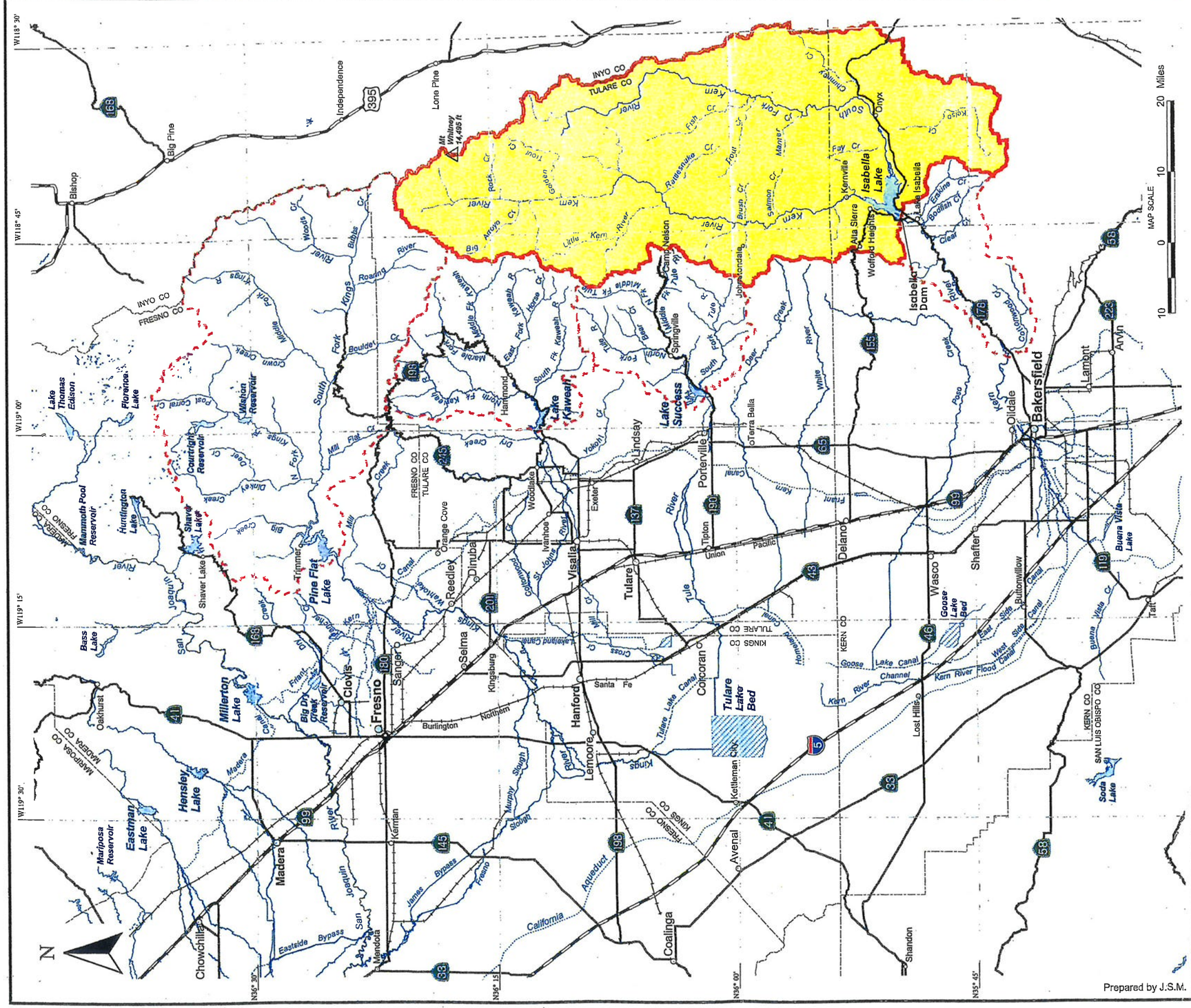
0 10 20

Scale in Miles

STATE OF CALIFORNIA
THE RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF WATER RESOURCES
DIVISION OF FLOOD MANAGEMENT
CALIFORNIA COOPERATIVE SNOW SURVEYS

LEGEND

- SNOW COURSE
- AERIAL SNOW DEPTH MARKER
- SNOW SENSOR
- RIVER BASIN



ISABELLA DAM AND LAKE
KERN RIVER, CALIFORNIA

GENERAL MAP

U.S. ARMY CORPS OF ENGINEERS
SACRAMENTO DISTRICT

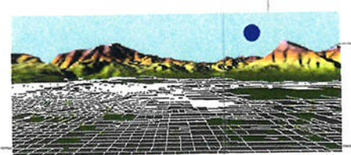
Revised Apr 2006 SHEET 1 OF 2 PLATE 2-1

METRO BAKERSFIELD CANALS

N
W E
S

- KERN RIVER : 326-3716
- KERN DELTA CANALS : 834-4656
- ARVIN-EDISON CANAL : 854-5573
- CROSS VALLEY CANAL : 634-1400
- NORTH KERN CANALS : 393-2696
- FRIANT-KERN CANAL : 559-562-6305
- ROSEDALE RBWSD : 589-6045
- BUENA VISTA WSD : 324-1101

#5 DITCH
#4 DITCH
#1 DITCH
RRID MAIN CANAL
CALLOWAY CANAL
FRIANT-KERN CANAL
PUMP STATION "A"
BEARDSLEY CANAL
BEARDSLEY RIVER WEIR
FIRST POINT OF MEASUREMENT
ROCKY POINT WEIR
CALLOWAY RIVER WEIR
FOUR WEIRS
LEVEE #1
KCWA WATER TREATMENT PLANT
Highway 178
CARRIER CANAL
RIVER CANAL WEIR
ARVIN-EDISON TURNOUT
KERN ISLAND CANAL
EASTSIDE CANAL
ROSEDALE CHANNEL
BELLEVUE WEIR
PIONEER INLET TO CVC
CROSS VALLEY CANAL
PIONEER EXTENSION
LAKE OHSHUH
LAKE XAHLY
TRUXTUN LAKES
Highway 58
K.I. EAST BRANCH
STINE CANAL
K.I. CENTRAL BRANCH
McCLUNG WEIR
BERRENDA MESA PIPELINE TURNOUT
THE PARK AT RIVER WALK
RIVER CANAL
ALTERNATE 2ND POINT
Kern Water Bank Canal
2800 ACRE RECHARGE FACILITY
SEC. 15 DITCH
SEC. 23 DITCH
Highway 99
SECOND POINT OF MEASUREMENT
ALEJANDRO CANAL
ARVIN-EDISON CANAL
BUENA VISTA CANAL
STINE BRANCH 2
KERN ISLAND BRANCH 1
KERN ISLAND MAIN BRANCH
HIRSCHFIELD DITCH
FARMERS CANAL
Interstate 5



BAKERSFIELD
Geographic Information Services

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PRODUCED BY: D. Quimby

1888
KERN RIVER
CENTRAL RECORDS
CITY OF BAKERSFIELD SINCE 1976
BAKERSFIELD
THE SOUND OF Something Better