KERN RIVER 2014

PREPARED FOR:

FERNANDO RIZO

2014
HYDROGRAPHIC ANNUAL REPORT

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HISTORICAL DATA

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	468	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	317	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	209	264	446	651	352	114	203	82	97	128	189	--	827	64	242

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

Acre-foot Quantities in Order of Magnitude

Year: 2014

YEAR	APR	MAY	JUN	JUL	TOTAL	% OF AVERAGE
1961	24,137	29,980	24,305	8,952	87,374	19%
1924	28,540	41,722	14,069	8,225	92,556	20%
2014	**26,527**	**40,042**	**20,965**	**7,016**	**94,550**	**21%**
1977	23,391	25,630	35,655	10,973	95,649	21%
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%
1900	28,102	68,295	76,366	24,125	196,888	43%
1949	50,517	84,508	57,685	17,201	209,911	46%
1987	55,236	75,108	56,146	24,918	211,408	46%
1913	42,494	73,561	60,738	34,929	211,722	46%
1899	53,133	51,353	79,178	30,046	213,710	47%
2002	58,838	69,991	63,775	22,703	215,307	48%
1929	39,064	85,995	63,487	30,986	219,532	48%
1966	68,779	82,336	45,431	23,347	219,893	48%
2004	64,197	78,343	56,378	23,084	222,002	49%
1955	37,567	69,544	86,660	31,014	224,785	50%
1930	53,506	67,851	82,824	28,401	232,582	50%
1926	66,079	98,598	49,530	18,575	232,782	51%
1989	91,380	71,849	49,823	21,378	234,430	52%
1948	43,976	86,108	78,565	31,331	239,980	53%
1971	52,661	66,635	82,707	42,472	244,475	54%
1968	65,584	87,991	64,054	30,690	248,319	54%
1947	60,353	110,325	57,778	21,116	249,572	54%
2001	58,249	124,417	43,033	24,593	250,292	55%
1912	37,246	80,471	100,925	33,170	251,812	55%
1999	55,843	95,199	68,733	32,852	252,627	55%
1981	69,320	91,914	65,817	25,630	252,681	57%
1908	79,320	79,418	60,305	41,851	260,894	57%
1951	48,914	85,039	88,990	38,941	261,884	58%
1939	92,136	92,253	58,400	25,480	268,269	60%
1991	58,092	79,763	100,423	38,265	276,543	63%
1957	38,644	79,355	132,359	41,988	292,346	64%
2009	63,650	130,352	65,252	35,907	295,161	64%
1894	88,974	98,801	64,564	43,061	295,400	65%
1933	57,265	60,026	125,395	56,898	299,584	65%
1950	76,155	98,483	90,367	34,901	299,906	66%
2000	67,388	129,406	81,396	28,306	306,496	68%
1925	56,408	102,016	96,252	58,437	313,113	69%
1904	59,812	113,205	103,904	39,725	316,646	69%
1970	63,513	110,057	95,700	50,138	319,408	70%
1921	51,723	100,096	120,387	49,119	321,325	71%
2003	56,146	113,472	118,383	37,075	325,076	71%
1953	70,730	86,019	103,164	69,657	329,570	72%
2008	80,991	123,177	89,078	38,095	331,341	72%
1923	73,355	120,849	82,528	55,800	332,532	73%
1918	74,513	78,722	136,753	44,828	334,816	74%
1919	86,574	140,215	81,844	34,364	342,997	
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	85%
1946	109,658	155,476	85,880	39,733	390,747	85%
1903	74,315	132,097	139,222	53,355	398,989	87%
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	135,864	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	122%
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	130%
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	149%
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	173%
1962	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%
1967	99,509	269,631	311,063	243,802	924,005	200%
1995	143,244	255,046	293,129	237,802	929,221	202%
2011	231,304	261,005	274,675	175,874	942,858	205%
1938	223,928	315,044	291,880	130,917	961,769	209%
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	247%
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	23,391	25,630	14,069	7,016	87,374	
AVERAGE	98,245	154,718	136,925	71,129	461,018	

KERN RIVER AT FIRST POINT OF MEASUREMENT

HISTORICAL MONTHLY NATURAL FLOWS

YEAR: 2014

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	37,133	42,681	64,642	98,245	154,718	136,925	71,129	30,711	18,005	17,291	19,892	27,878	719,250
Mean Monthly Flow (second foot days)	604	694	1,051	1,598	2,516	2,227	1,157	499	293	281	334	453	993
Maximum Monthly Flow	246,022	202,510	378,116	481,749	617,968	571,846	399,841	154,935	68,503	53,300	96,968	313,811	
Year of Occurrence	*1997*	*1916*	*1916*	*1916*	*1969*	*1983*	*1906*	*1983*	*1983*	*1983*	*1950*	*1966*	
Minimum Monthly Flow	9,947	9,215	14,221	23,391	25,630	14,069	7,016	5,881	5,050	5,960	7,880	9,148	
Year of Occurrence	*2014*	*1991*	*1961*	*1977*	*1977*	*1924*	*2014*	*1924*	*2014*	*2014*	*2014*	*1990*	
Number Months of Record	121	121	121	121	121	121	121	121	121	122	122	122	
Cumulative Monthly Flow	4,493,096	5,164,441	7,821,679	11,887,671	18,720,902	16,567,915	8,606,660	3,716,012	2,178,561	2,076,611	2,396,006	3,369,389	
Median Monthly Flow	23,762	31,347	47,508	75,138	120,063	107,240	46,441	21,295	13,472	14,251	15,858	19,379	535,754
Median Monthly Flow (second foot days)	399	527	798	1,263	2,018	1,802	780	358	226	232	267	315	740

MEAN APRIL - JULY RUNOFF TO DATE = 461,018 AcFt
MEDIAN APRIL - JULY RUNOFF TO DATE = 348,882 AcFt

MEAN MARCH - OCTOBER RUNOFF TO DATE = 591,666 AcFt
MEDIAN MARCH - OCTOBER RUNOFF TO DATE = 445,408 AcFt

Kern River Mean Natural Flow at First Point of Measurement

DISCHARGE IN CUBIC FEET PER SECOND (1893 to Date) Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	472	715	853	1,298	2,115	2,665	1,668	714	361	294	290	347
2	518	683	881	1,302	2,144	2,639	1,648	691	355	290	286	358
3	601	650	950	1,320	2,187	2,631	1,622	671	352	287	284	369
4	506	604	928	1,335	2,249	2,622	1,593	653	343	285	281	385
5	511	604	953	1,359	2,293	2,666	1,539	629	355	280	283	480
6	482	657	920	1,380	2,329	2,650	1,497	611	359	288	283	1,020
7	470	773	884	1,395	2,354	2,641	1,453	594	337	279	286	504
8	473	724	901	1,416	2,392	2,606	1,408	581	324	283	353	421
9	476	763	977	1,437	2,426	2,553	1,364	566	314	283	371	425
10	504	735	1,015	1,459	2,451	2,529	1,322	558	305	280	315	433
11	521	677	1,021	1,546	2,453	2,492	1,273	549	301	278	316	443
12	555	692	980	1,562	2,455	2,464	1,238	537	304	276	314	428
13	564	792	988	1,557	2,480	2,444	1,208	514	295	275	308	410
14	649	783	999	1,577	2,509	2,412	1,185	495	285	280	310	385
15	577	777	979	1,599	2,535	2,385	1,147	493	283	278	306	381
16	588	754	1,016	1,642	2,557	2,338	1,120	484	279	276	306	378
17	579	775	1,039	1,663	2,586	2,303	1,088	473	277	281	314	388
18	642	867	1,094	1,697	2,621	2,256	1,062	470	275	280	328	389
19	617	868	1,086	1,741	2,656	2,217	1,029	467	270	279	444	485
20	584	860	1,081	1,790	2,657	2,184	1,003	454	270	281	399	451
21	597	811	1,117	1,833	2,651	2,152	970	436	271	278	358	404
22	677	816	1,109	1,869	2,656	2,120	940	420	270	274	368	420
23	695	838	1,122	1,881	2,644	2,074	927	411	269	275	355	533
24	701	821	1,127	1,895	2,647	2,013	923	397	268	273	374	482
25	916	822	1,169	1,913	2,665	1,957	882	387	284	272	377	483
26	891	815	1,190	1,946	2,707	1,897	853	375	320	279	357	458
27	749	823	1,225	1,975	2,717	1,854	833	374	298	283	368	488
28	704	818	1,236	2,023	2,722	1,807	805	375	282	283	362	472
29	629	843	1,242	2,043	2,731	1,759	776	373	287	283	353	465
30	608	-	1,240	2,079	2,719	1,703	756	368	284	289	380	511
31	662	-	1,268	-	2,696	-	729	363	-	295	-	459
TOTAL	18,718	21,519	32,590	49,532	78,004	69,033	35,861	15,483	9,077	8,717	10,029	14,055
MAXIMUM DAY	916	868	1,268	2,079	2,731	2,666	1,668	714	361	295	444	1,020
MINIMUM DAY	470	604	853	1,298	2,115	1,703	729	363	268	272	281	347
MEAN	604	762	1,051	1,651	2,516	2,301	1,157	499	303	281	334	453
TOTAL AC. FT.	37,133	42,681	64,642	98,245	154,718	136,925	71,129	30,711	18,005	17,291	19,892	27,878

WHOLE YEAR:- TOTAL, 362,618 MAX., 2,731 MIN., 268 MEAN, 993 TOTAL AC.FT., 719,250

Kern River Median Natural Flow at First Point of Measurement

DISCHARGE IN CUBIC FEET PER SECOND (1893 to Date) Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	347	439	633	1,057	1,621	2,114	1,163	479	252	227	245	281
2	344	429	635	1,044	1,662	2,173	1,128	461	252	227	258	283
3	345	452	647	1,020	1,661	2,167	1,088	458	250	226	253	300
4	354	459	650	1,045	1,717	2,107	1,090	450	254	227	252	312
5	355	463	699	1,050	1,698	2,060	1,009	431	244	223	257	307
6	375	470	675	1,108	1,722	2,113	965	423	247	215	252	314
7	371	480	648	1,172	1,704	2,305	960	401	241	225	256	309
8	373	512	629	1,189	1,707	2,154	901	392	236	228	257	307
9	379	524	650	1,185	1,868	2,150	856	384	239	228	259	298
10	365	536	633	1,181	1,897	2,090	816	374	239	227	263	299
11	375	533	648	1,185	1,860	2,077	802	359	229	224	262	304
12	386	544	661	1,180	1,905	2,087	797	352	233	221	263	305
13	385	568	622	1,213	1,986	2,070	777	359	228	228	267	315
14	391	550	672	1,203	1,947	2,109	784	341	223	228	271	319
15	369	534	723	1,175	1,941	2,041	739	339	218	225	269	318
16	376	552	719	1,204	1,906	1,939	721	333	218	227	267	322
17	373	593	739	1,224	2,061	1,835	686	327	222	228	268	321
18	372	604	750	1,257	2,147	1,712	690	321	223	232	269	308
19	380	587	790	1,261	2,141	1,582	667	312	218	243	279	310
20	401	582	803	1,322	2,073	1,544	668	307	216	241	273	317
21	386	568	871	1,360	2,026	1,478	646	305	218	237	266	308
22	406	572	847	1,405	2,122	1,494	610	291	214	233	269	320
23	402	573	876	1,430	2,048	1,435	605	300	211	234	279	331
24	425	580	878	1,467	2,085	1,403	579	297	207	232	280	325
25	422	599	903	1,444	2,088	1,417	566	294	209	234	287	334
26	408	605	953	1,461	2,068	1,325	571	275	214	240	282	324
27	408	623	999	1,485	2,105	1,300	536	282	209	249	271	328
28	423	631	992	1,511	2,161	1,274	522	271	201	246	269	332
29	419	642	976	1,504	2,120	1,278	504	273	208	245	277	334
30	422	-	998	1,540	2,244	1,234	488	273	219	242	275	340
31	443	-	1,033	-	2,241	-	480	272	-	243	-	345
TOTAL	11,980	15,804	23,952	37,882	60,532	54,067	23,414	10,736	6,792	7,185	7,995	9,770
MAXIMUM DAY	443	642	1,033	1,540	2,244	2,305	1,163	479	254	249	287	345
MINIMUM DAY	344	429	622	1,020	1,621	1,234	480	271	201	215	245	281
MEAN	386	559	773	1,263	1,953	1,802	755	346	226	232	267	315
TOTAL AC. FT.	23,762	31,347	47,508	75,138	120,063	107,240	46,441	21,295	13,472	14,251	15,858	19,379

WHOLE YEAR:- TOTAL, 270,109 MAX., 2,305 MIN., 201 MEAN, 740 TOTAL AC.FT., 535,754

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	6,700	9,786	10,643	353,165
1960	12,516	17,405	24,044	25,041	47,985	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	57,486	68,338	51,110	19,535	14,739	15,265	82,447	504,506
1967	146,180	40,516	57,923	82,732	190,249	200,743	183,566	240,154	146,509	85,002	56,799	35,482	1,465,855
1968	33,088	36,284	44,904	45,035	52,156	88,046	82,937	56,584	13,656	13,886	16,365	14,085	497,026
1969	50,499	106,247	237,265	378,817	332,015	374,767	263,903	221,738	121,359	102,494	90,523	34,122	2,313,769
1970	42,299	32,206	52,489	60,101	53,698	86,904	94,112	88,421	35,667	21,285	18,228	15,844	601,254
1971	25,978	35,520	48,589	30,809	31,950	57,322	82,128	64,643	23,520	12,184	12,839	17,169	442,651
1972	19,527	22,094	32,130	29,760	32,410	44,965	47,996	31,579	11,560	10,286	12,460	16,524	311,291
1973	21,356	26,214	38,878	66,541	97,172	143,554	161,028	102,660	47,883	29,457	24,811	25,579	785,133
1974	35,447	45,969	49,248	47,151	57,477	96,807	120,476	109,093	69,648	54,365	37,085	23,137	745,903
1975	21,221	34,844	45,041	38,444	57,142	95,197	108,932	89,738	34,139	17,072	15,108	15,213	572,091
1976	14,690	19,008	31,789	23,609	28,901	52,300	54,190	30,742	21,828	19,440	12,946	11,341	320,784
1977	14,051	14,380	15,925	18,778	17,431	25,813	32,951	21,888	8,765	7,660	8,287	14,773	200,702
1978	26,132	50,285	49,222	149,450	266,073	236,549	198,587	146,660	73,234	93,098	70,927	30,458	1,390,675
1979	32,549	31,793	45,903	46,508	62,557	109,987	126,343	107,605	32,267	22,792	18,855	18,909	656,068
1980	55,976	81,590	157,503	185,089	167,415	194,134	238,716	200,338	106,516	82,893	61,644	28,838	1,560,652
1981	25,482	27,013	40,594	41,768	46,348	78,405	80,906	51,310	14,315	14,324	18,426	21,578	460,469
1982	30,363	43,374	49,110	57,060	86,469	155,508	166,492	156,341	88,411	104,122	101,403	82,435	1,121,088
1983	57,566	71,165	152,862	286,605	370,706	419,760	387,505	176,194	153,814	117,233	97,616	90,549	2,381,575
1984	84,280	96,998	68,614	49,793	67,327	89,409	110,785	96,734	43,180	41,726	37,420	47,770	834,036
1985	40,133	48,686	53,821	56,358	72,506	98,757	111,385	77,728	34,973	25,305	20,333	28,986	668,971
1986	31,277	39,039	95,946	172,221	205,204	233,197	193,767	141,114	67,569	82,792	45,227	24,208	1,331,561
1987	24,117	28,919	43,408	44,894	43,609	68,424	73,047	42,545	18,589	15,624	14,269	14,664	432,309
1988	20,793	26,906	35,036	33,769	31,815	50,995	60,458	28,346	13,529	9,025	10,318	14,483	335,473
1989	16,869	21,568	32,092	38,575	39,632	56,527	55,765	36,204	14,241	12,773	10,788	13,739	348,773
1990	12,926	16,124	25,071	24,422	25,454	30,030	31,129	21,519	6,885	8,979	8,037	8,925	219,501
1991	10,627	9,112	27,814	28,937	30,539	62,997	63,654	48,196	12,490	11,353	13,381	14,394	333,494
1992	13,593	20,711	25,451	25,777	33,548	38,600	40,967	31,928	10,195	7,789	10,383	13,880	272,822
1993	22,062	25,426	52,479	45,489	63,322	107,357	118,677	88,671	51,846	34,725	14,021	18,264	642,339
1994	19,622	28,720	41,819	41,256	35,411	69,470	75,175	53,484	16,072	13,745	12,060	15,527	422,361
1995	19,839	20,858	57,225	113,865	138,034	186,960	195,546	205,924	102,593	71,157	57,106	27,993	1,197,100
1996	28,994	34,576	47,226	59,046	148,419	153,050	147,913	113,232	64,770	43,593	45,201	82,016	968,036
1997	63,352	142,831	158,678	95,933	120,789	133,315	133,724	108,452	55,240	42,278	46,977	31,894	1,133,463
1998	45,636	93,987	97,466	132,317	239,423	284,408	239,607	200,713	114,224	89,980	93,054	31,739	1,662,556
1999	32,523	40,907	29,209	29,480	38,071	64,411	78,924	64,167	36,405	20,473	10,848	16,203	461,621
2000	19,946	23,320	33,834	46,580	49,204	81,023	83,659	59,577	26,533	20,340	12,260	16,260	472,536
2001	13,936	17,643	26,364	29,679	41,423	73,624	61,618	42,432	21,410	15,588	13,259	18,793	375,769
2002	25,339	19,898	26,465	28,300	34,740	54,714	58,163	36,317	16,197	13,635	20,165	23,694	357,627
2003	28,584	20,966	24,889	25,548	41,952	78,152	83,336	68,297	37,192	29,364	12,785	17,724	468,789
2004	19,772	17,917	34,389	49,551	49,068	71,088	61,801	48,508	27,646	15,009	14,041	16,589	425,379
2005	34,455	33,256	36,881	38,928	86,217	191,024	188,997	137,561	78,554	60,066	35,747	30,654	952,340
2006	55,783	32,313	24,899	49,966	273,669	258,061	157,823	86,747	45,725	22,006	20,484	18,660	1,046,136
2007	23,408	22,678	28,256	27,362	36,690	49,642	57,969	36,724	17,179	12,742	9,645	11,998	334,293
2008	13,854	19,952	34,365	39,580	58,926	83,715	80,059	68,881	28,848	18,787	15,935	9,857	472,759
2009	14,268	19,888	28,126	34,491	47,734	75,827	84,876	56,850	34,415	20,772	14,437	10,584	442,268
2010	12,012	14,686	30,864	50,750	117,758	144,075	125,470	105,922	53,233	28,571	17,448	51,515	752,305
2011	85,304	69,949	68,260	154,407	244,080	242,027	192,218	119,108	86,797	88,985	28,040	25,470	1,404,645
2012	25,173	27,493	33,156	33,807	51,211	67,845	61,641	31,345	14,174	10,564	11,989	17,011	385,409
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	19,898	15,610	7,018	9,577	7,820	11,185	176,356
MAXIMUM	**146,180**	**142,831**	**237,265**	**378,817**	**370,706**	**419,760**	**387,505**	**240,154**	**153,814**	**117,233**	**101,403**	**90,549**	**2,381,575**
MINIMUM	**10,627**	**8,951**	**14,017**	**16,318**	**16,780**	**19,321**	**19,898**	**14,419**	**6,885**	**7,267**	**7,117**	**4,784**	**176,356**
AcFt TOTAL	**1,818,052**	**2,103,946**	**2,998,113**	**3,833,387**	**5,237,084**	**6,884,619**	**6,590,764**	**4,918,280**	**2,557,814**	**2,033,716**	**1,592,268**	**1,487,906**	**42,055,950**
AcFt AVERAGE	**29,804**	**34,491**	**49,149**	**62,842**	**85,854**	**112,863**	**108,045**	**80,628**	**41,931**	**33,340**	**26,103**	**24,392**	**689,442**
S.F.D. AVERAGE	**485**	**616**	**799**	**1,056**	**1,396**	**1,897**	**1,757**	**1,311**	**705**	**542**	**439**	**397**	**950**
% OF TOTAL	**4.32%**	**5.00%**	**7.13%**	**9.12%**	**12.45%**	**16.37%**	**15.67%**	**11.69%**	**6.08%**	**4.84%**	**3.79%**	**3.54%**	**100.00%**

Kern River Mean Regulated Flow at First Point of Measurement

DISCHARGE IN CUBIC FEET PER SECOND (1954 to Date) Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	447	522	742	889	1,251	1,596	1,896	1,515	881	633	444	407
2	453	532	733	910	1,271	1,644	1,857	1,495	860	638	436	387
3	442	549	739	912	1,280	1,696	1,847	1,500	840	624	440	377
4	445	549	747	914	1,319	1,744	1,819	1,494	832	612	443	382
5	451	546	746	930	1,328	1,770	1,847	1,500	808	604	442	391
6	453	555	744	932	1,325	1,788	1,870	1,502	787	621	445	454
7	456	556	754	951	1,319	1,823	1,873	1,485	767	598	440	396
8	452	558	753	982	1,342	1,843	1,886	1,470	752	586	441	386
9	447	635	749	1,007	1,353	1,869	1,885	1,483	733	583	446	378
10	443	622	769	1,026	1,356	1,883	1,864	1,484	720	570	445	372
11	443	593	792	1,038	1,349	1,895	1,838	1,477	711	554	454	369
12	450	590	771	1,044	1,365	1,912	1,830	1,453	699	528	451	376
13	456	601	779	1,044	1,369	1,927	1,807	1,420	690	529	454	375
14	459	620	774	1,053	1,370	1,950	1,812	1,389	692	529	440	372
15	465	613	791	1,065	1,359	1,955	1,813	1,378	685	521	436	377
16	486	605	797	1,065	1,366	1,974	1,795	1,366	681	514	440	373
17	489	606	807	1,068	1,361	2,014	1,760	1,340	674	502	444	377
18	499	614	798	1,073	1,376	2,026	1,723	1,343	659	511	437	401
19	504	628	797	1,094	1,388	2,026	1,708	1,312	650	515	438	428
20	500	660	809	1,095	1,422	1,996	1,681	1,273	645	518	439	413
21	499	657	828	1,102	1,438	2,003	1,708	1,241	643	522	443	398
22	490	669	834	1,109	1,451	2,015	1,698	1,200	646	517	436	391
23	492	696	843	1,123	1,468	1,998	1,691	1,177	649	514	426	390
24	523	692	850	1,141	1,476	2,010	1,666	1,158	645	511	414	397
25	542	681	853	1,149	1,480	1,988	1,647	1,130	638	510	426	396
26	559	687	856	1,166	1,472	1,953	1,643	1,089	638	506	433	397
27	549	695	863	1,185	1,477	1,903	1,633	1,058	635	499	432	410
28	532	707	864	1,186	1,488	1,886	1,612	1,026	629	493	435	420
29	524	151	853	1,197	1,518	1,913	1,600	995	634	493	430	434
30	536	-	868	1,233	1,554	1,902	1,592	968	617	487	430	434
31	540	-	877	-	1,594	-	1,555	929	-	466	-	440
TOTAL	15,026	17,389	24,780	31,683	43,285	56,902	54,456	40,650	21,140	16,808	13,160	12,298
MAXIMUM INSTANT.	559	707	877	1,233	1,594	2,026	1,896	1,515	881	638	454	454
MINIMUM INSTANT.	442	151	733	889	1,251	1,596	1,555	929	617	466	414	369
MEAN	485	616	799	1,056	1,396	1,897	1,757	1,311	705	542	439	397
TOTAL AC. FT.	29,804	34,491	49,149	62,842	85,854	112,863	108,013	80,628	41,931	33,338	26,103	24,392

WHOLE YEAR:- TOTAL, 347,577 MAX., 2,026 MIN., 151 MEAN, 950 TOTAL AC.FT., 689,408

MIDNIGHT STORAGE IN ACRE-FEET

Isabella Reservoir Daily Mean Storage (1954-2014)

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	151,177	161,466	170,969	185,864	216,311	279,673	292,810	248,821	195,876	169,807	151,607	144,677
2	151,451	161,801	171,372	186,718	217,905	281,523	292,128	247,125	194,765	169,022	151,236	144,615
3	152,079	161,922	171,722	187,523	219,507	283,263	291,400	245,335	193,665	168,105	150,868	144,671
4	152,358	162,001	172,168	188,355	221,175	284,838	290,658	243,515	192,593	167,520	150,486	144,634
5	152,621	162,098	172,712	189,127	222,820	286,507	289,760	241,639	191,635	166,799	150,094	145,007
6	152,756	162,231	173,061	189,885	224,538	288,008	288,786	239,712	190,726	166,058	149,727	147,384
7	152,872	162,392	173,364	190,615	226,244	289,458	287,729	237,797	189,790	165,354	149,352	147,873
8	152,986	162,656	173,715	191,275	227,959	290,720	286,540	235,926	188,844	164,644	149,270	148,011
9	153,139	163,063	174,032	191,967	229,763	291,817	285,282	233,965	187,903	163,946	149,235	148,079
10	153,362	163,438	174,426	192,640	231,677	292,826	283,978	232,003	186,971	163,258	148,984	148,184
11	153,630	163,644	174,904	193,582	233,559	293,689	282,617	230,073	186,060	162,610	148,708	148,368
12	154,040	163,822	175,294	194,544	235,389	294,426	281,197	228,161	185,197	162,028	148,397	148,452
13	154,527	164,245	175,631	195,487	237,295	294,964	279,784	226,256	184,311	161,423	148,101	148,513
14	155,000	164,656	176,018	196,404	239,206	295,487	278,355	224,383	183,398	160,851	147,814	148,526
15	155,254	165,039	176,344	197,348	241,218	295,900	276,831	222,531	182,496	160,290	147,538	148,523
16	155,633	165,399	176,710	198,280	243,305	296,256	275,313	220,712	181,583	159,742	147,235	148,525
17	155,933	165,748	177,123	199,273	245,460	296,443	273,790	218,889	180,700	159,226	146,977	148,521
18	156,088	166,471	177,499	200,287	247,707	296,476	272,309	217,053	179,844	158,699	146,772	148,569
19	156,356	167,110	177,900	201,318	250,092	296,519	270,785	215,298	178,992	158,161	146,537	148,874
20	156,589	167,774	178,290	202,409	252,493	296,584	269,207	213,598	178,157	157,632	146,284	149,174
21	156,874	168,211	178,764	203,563	254,838	296,562	267,556	211,895	177,350	157,049	146,072	149,240
22	157,136	168,610	179,284	204,744	257,232	296,472	265,927	210,260	176,517	156,485	145,926	149,402
23	157,393	169,015	179,841	205,888	259,587	296,349	264,269	208,634	175,674	155,931	145,757	149,981
24	157,778	169,350	180,398	207,001	261,890	296,062	262,620	207,044	174,854	155,391	145,638	150,319
25	158,856	169,728	180,950	208,107	264,104	295,728	260,928	205,454	174,093	154,831	145,561	150,624
26	159,560	170,168	181,506	209,231	266,384	295,384	259,186	203,933	173,482	154,319	145,402	150,876
27	159,989	170,307	182,129	210,456	268,693	295,068	257,454	202,463	172,782	153,842	145,179	151,205
28	160,265	170,590	182,855	211,792	271,016	294,677	255,718	201,051	172,029	153,352	144,992	151,403
29	160,432	179,499	183,534	213,232	273,336	294,132	253,954	199,674	171,286	153,034	144,830	151,602
30	160,550	-	184,234	214,748	275,493	293,499	252,212	198,337	170,551	152,430	144,782	151,742
31	160,897	-	185,017	-	277,619	-	250,486	197,054	-	152,032	-	151,831
MAXIMUM DAY	160,897	179,499	185,017	214,748	277,619	296,584	292,810	248,821	195,876	169,807	151,607	151,831
MINIMUM DAY	151,177	161,466	170,969	185,864	216,311	279,673	250,486	197,054	170,551	152,032	144,782	144,615

HISTORICAL INFLOWS TO ISABELLA LAKE

Runoff in 1,000 acre-feet

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1955	11.8	14.4	16.0	18.1	22.7	28.1	35.1	67.9	83.4	29.1	18.9	10.3	355.8
1956	9.5	11.5	90.4	77.1	48.2	59.9	94.5	156.3	167.4	97.2	38.1	20.3	870.4
1957	17.6	15.7	15.1	16.4	25.3	30.3	38.5	78.1	131.8	41.0	16.4	12.5	438.7
1958	13.6	13.3	17.6	20.6	36.5	61.5	153.6	312.3	231.7	120.1	51.1	25.8	1057.7
1959	20.6	18.7	17.8	19.3	21.2	31.7	39.5	39.4	33.0	15.8	9.9	9.6	276.5
1960	9.6	9.7	10.3	12.2	27.9	30.2	44.5	58.0	45.5	15.1	7.9	8.4	279.3
1961	9.5	13.0	11.7	10.6	10.0	13.1	23.0	29.1	23.8	8.5	15.1	7.6	175.0
1962	7.1	8.8	11.0	12.4	47.1	32.4	140.5	130.8	154.7	72.1	23.7	13.1	653.7
1963	12.9	11.6	11.1	26.5	99.6	41.0	67.6	134.0	162.3	102.6	42.2	26.5	737.9
1964	24.5	23.8	21.5	18.2	16.6	22.7	39.6	60.0	52.3	22.0	13.3	8.6	323.1
1965	8.7	13.9	44.2	43.5	30.2	33.2	74.5	131.0	149.9	94.9	50.7	22.0	696.7
1966	15.6	28.4	28.3	27.0	21.4	37.8	66.7	81.5	45.4	21.9	16.1	9.6	399.7
1967	9.5	13.7	299.0	59.6	62.5	83.2	95.5	268.1	302.9	238.1	90.5	53.5	1576.1
1968	34.9	31.9	33.0	32.2	38.9	47.1	64.4	86.7	62.1	28.4	18.4	11.3	489.3
1969	12.6	15.3	17.1	159.4	93.4	133.9	337.4	597.5	485.6	236.0	93.8	44.3	2226.3
1970	33.3	32.4	30.9	61.8	39.0	56.9	62.1	109.8	92.7	49.2	22.7	13.4	604.2
1971	12.7	18.8	26.8	31.5	29.4	40.6	51.1	64.4	81.1	41.6	18.9	11.1	428.0
1972	11.4	13.4	17.2	18.2	17.6	32.3	27.3	45.4	37.7	14.6	10.7	11.2	257.0
1973	10.6	14.5	19.3	30.5	32.2	45.0	103.9	282.5	226.5	91.8	36.9	18.8	912.5
1974	16.8	20.4	25.1	45.6	28.1	68.8	108.1	182.2	166.7	68.6	37.6	20.4	788.4
1975	19.1	17.6	20.6	21.1	25.3	39.9	43.9	142.8	138.8	50.3	22.4	16.2	558.0
1976	15.1	14.7	15.6	14.6	15.3	21.8	24.2	47.0	18.9	13.9	13.7	23.1	237.9
1977	18.7	11.7	10.0	12.2	12.0	12.6	22.4	24.3	34.5	10.3	9.8	7.0	185.5
1978	7.9	8.1	21.8	42.0	90.0	163.4	170.2	352.2	351.9	188.1	73.1	58.9	1527.6
1979	28.1	24.3	27.2	32.2	38.7	66.9	99.4	164.0	105.5	47.0	26.9	19.1	679.3
1980	18.2	18.2	17.7	138.7	159.4	130.7	204.1	284.4	274.9	198.9	69.9	35.1	1550.2
1981	27.1	24.9	28.0	25.9	33.4	43.6	67.5	90.8	65.7	25.5	15.6	12.2	460.2
1982	14.0	18.5	21.4	33.9	49.5	71.4	202.9	253.0	194.9	124.6	58.1	60.6	1102.8
1983	45.1	55.2	73.7	81.0	121.2	227.6	182.2	465.9	567.1	285.8	152.5	61.0	2318.3
1984	46.9	65.9	93.6	69.1	55.0	77.3	88.0	159.4	90.7	72.4	45.6	26.9	890.8
1985	26.2	33.6	35.6	36.7	37.0	49.5	133.6	147.4	100.4	38.7	23.4	16.7	678.8
1986	15.1	20.0	30.4	38.9	143.6	196.2	198.6	283.9	250.4	107.4	46.1	24.3	1354.9
1987	25.5	22.4	21.3	22.5	27.3	37.7	54.5	72.6	54.5	23.4	13.6	10.0	385.3
1988	10.6	14.3	15.5	22.0	19.1	29.0	39.6	58.4	42.6	21.5	13.4	10.2	296.2
1989	8.9	9.9	14.6	15.4	22.6	64.0	90.2	69.8	48.4	22.1	12.3	10.2	388.4
1990	10.4	10.5	10.0	11.4	11.8	21.4	32.0	38.5	29.1	14.9	8.2	6.3	204.5
1991	8.3	7.6	7.8	9.6	8.5	44.2	55.2	78.9	100.7	37.9	14.1	11.1	383.9
1992	9.4	12.7	11.6	12.7	20.0	24.6	54.2	74.7	33.3	16.3	11.7	7.5	288.7
1993	9.6	11.5	13.4	36.1	35.8	90.1	131.9	202.9	163.9	88.0	34.6	16.1	833.9
1994	13.4	14.1	17.1	18.3	22.6	38.1	46.3	68.4	56.6	20.8	11.2	9.1	336.0
1995	14.6	12.2	14.1	41.9	45.9	146.4	137.6	245.0	281.9	227.7	78.3	37.7	1283.3
1996	21.7	20.4	25.7	36.7	87.8	99.7	143.7	218.1	150.6	67.9	29.9	16.0	918.2
1997	15.1	39.5	80.9	231.9	94.8	113.0	142.0	211.7	137.7	71.1	39.7	23.6	1201.0
1998	22.5	25.1	26.1	40.4	101.4	126.8	163.9	277.5	346.3	251.4	82.0	46.2	1509.6
1999	35.2	33.1	29.8	33.9	33.6	35.3	52.7	94.1	67.7	31.3	15.0	12.0	473.7
2000	10.6	12.2	12.4	17.5	32.0	46.5	66.9	130.1	81.9	27.8	14.7	10.9	463.5
2001	12.1	12.0	11.9	14.3	17.6	35.7	57.1	125.2	41.4	23.8	11.3	9.3	371.7
2002	9.6	14.8	23.6	25.2	19.9	30.3	58.3	71.1	63.9	21.6	9.7	8.0	356.0
2003	9.0	71.8	26.3	30.9	29.6	47.3	54.5	113.2	118.1	36.1	23.4	14.8	575.0
2004	10.3	12.4	17.3	22.2	23.7	68.9	64.1	79.9	56.6	22.9	12.9	8.8	400.0
2005	12.7	14.5	16.3	68.9	47.2	91.0	129.8	283.4	231.2	123.5	45.0	26.4	1089.9
2006	22.6	19.5	31.2	51.6	35.2	62.1	143.5	296.9	222.7	100.3	36.9	20.2	1042.7
2007	18.8	17.4	20.2	19.7	20.7	33.7	35.5	51.7	24.4	13.7	10.0	8.8	274.6
2008	10.1	9.9	13.0	22.3	34.6	56.9	80.7	122.9	89.3	37.6	15.2	10.3	502.8
2009	11.3	16.9	16.7	22.7	26.8	40.8	63.6	131.8	66.4	35.5	14.3	10.5	457.3
2010	24.6	15.3	18.5	24.3	34.9	55.7	93.8	161.5	226.1	93.4	29.6	17.5	795.2
2011	18.0	19.5	109.2	66.5	51.0	101.4	220.6	256.8	269.3	172.4	70.8	36.8	1392.3
2012	41.5	28.2	23.7	28.4	25.4	36.4	64.4	71.2	28.2	14.3	11.1	9.9	382.7
2013	9.1	11.4	18.1	19.1	16.9	24.4	33.9	39.4	20.2	12.2	8.7	6.9	220.3
2014	8.0	9.0	9.9	10.1	11.5	16.2	26.4	40.0	20.9	7.7	12.5	5.3	177.5
MEAN	17.0	19.6	30.3	37.7	41.4	60.8	90.7	150.3	133.4	70.1	31.3	19.0	701.6

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
AVERAGE	0.36	1.17	2.01	2.34	2.12	1.57	0.68	0.25	0.07	0.14	0.17	0.30	11.18
MAXIMUM	2.30	5.76	11.82	9.56	10.60	6.43	2.77	1.74	0.80	2.01	1.20	5.20	24.34
DAILY MAXIMUM	1.13	2.85	5.20	2.58	3.58	1.72	1.45	0.75	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	03/04/91	04/02/74	05/26/99	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
Normal	44.8	47.4	51.1	55.9	64.1	73.3	80.2	78.8	72.8	62.4	51.8	44.9	60.6
Maximum	52.0	56.1	59.1	64.1	73.0	79.8	86.8	85.5	79.4	68.9	60.8	50.8	65.2
Minimum	38.9	41.7	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
MEAN	6.32	3.43	2.21	2.27	2.75	4.73	7.00	10.28	12.94	14.56	13.16	9.71	89.36

ISABELLA RESERVOIR EVAPORATION

April 1954 to Date

Quantities in acre-feet

Year: 2014

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1954				161	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	4,163	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	42,655
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	3,366	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
Average	827	905	1,554	2,463	4,219	6,062	6,894	5,869	4,136	2,673	1,435	885	37,920

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

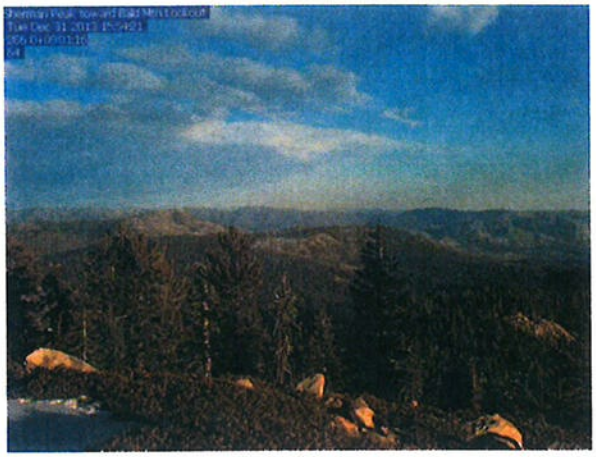
KERN RIVER OPERATIONS 2014

KERN RIVER IN REVIEW

2014

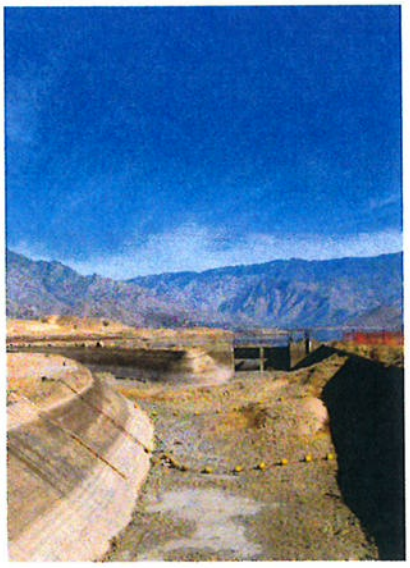
Introduction

The 2013-2014 water year started in October with Isabella storage at 55,697 acre-feet and the first storm activity did not occur until the 28th. November was not much better until the 20th, when finally storms started to bring in snow to the basin. By the end of December, an average of 3.0 inches of snow water content had accumulated in the basin and snow models were predicting a 65% yield on the runoff. By the end January, the model had dropped to 24% A-J runoff. The forecast from the State of California, Department of Water Resources, Snow Surveys Section, issued on February 1st was 30% for the April-July runoff period. By March 1st the forecast was downgraded to 26% on the A-J. The April 1st forecast was downgraded again to 22% of runoff. May 1st the downgrade was to 20%. The basin yield for April-July came in at 21% of normal.



Precipitation

Monthly precipitation amounts in inches as recorded at selected Kern County stations during the 2013-2014 Water Year were as follows:



	Bakersfield Meadows Field (Elev. 494 ft.)			Isabella Dam (Elev. 2660 ft.)			Glennville (Elev. 3140 ft.)		
	13-14	Ave.	% of Ave.	13-14	Ave.	% of Ave.	13-14	Ave.	% of Ave.
Oct	0.0	0.30	10%	0.24	0.36	67%	0.62	0.75	83%
Nov	0.94	0.64	147%	0.50	1.19	42%	1.16	1.85	63%
Dec	0.10	1.02	10%	0.38	1.87	20%	1.12	2.96	38%
Jan	0.12	1.16	10%	0.35	2.45	14%	0.93	3.32	28%
Feb	0.32	1.24	26%	2.11	2.20	96%	1.41	2.99	47%
Mar	0.36	1.21	30%	0.99	1.61	61%	2.42	3.05	79%
Apr	0.50	0.52	96%	0.75	0.68	110%	2.28	2.06	111%
May	0.04	0.18	22%	0.02	0.25	8%	0.80	0.75	107%
Jun	0.00	0.08	0%	0.00	0.08	0%	0.00	0.18	0%
Jul	0.00	0.02	0%	0.00	0.14	86%	0.00	0.04	25%
Aug	0.00	0.04	0%	0.22	0.17	129%	0.13	0.10	130%
Sep	0.01	0.15	1%	0.00	0.33	0%	0.00	0.37	0%
TOTAL	2.42	6.49	37%	5.56	11.33	49%	10.87	18.42	59%

Temperature

Isabella, California, 2014 mean air temperatures (°F) with comparative averages were as follows:

	2014 Actual	Normal	Variance from Norm		2014 Actual	Normal	Variance from Norm
Jan	51.4	44.8	+6.6	Jul	84.8	80.2	+4.6
Feb	52.3	47.4	+4.9	Aug	81.2	78.8	+2.4
Mar	56.7	51.1	+5.6	Sep	77.5	72.8	+4.7
Apr	61.0	55.9	+5.1	Oct	67.8	62.4	+5.4
May	68.5	64.1	+4.4	Nov	55.7	51.8	+3.9
Jun	78.4	73.3	+5.1	Dec	47.6	44.9	+2.7

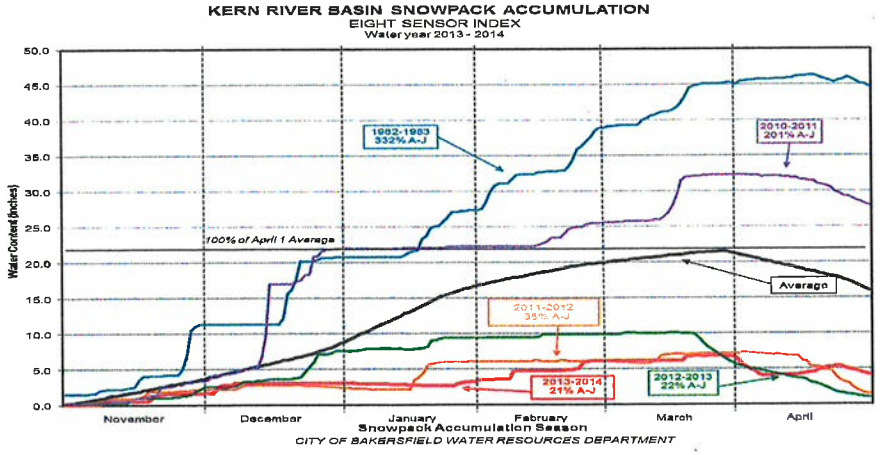
The mean annual temperature as recorded at Isabella Dam for 2014 was 65.2° Fahrenheit, 4.6° above the long-term (1956 to 2014) normal. The maximum high temperature for 2014 occurred on two days, June 30th and again on July 1st at 105° with a low of 23° occurring on December 31st, 2014.

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, 2014, with April 1st 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, 2013	11.0	7.8	8.7	10.6	5.3	M	5.5	0.72
April 1, Average	27.7	19.8	21.8	24.9	30.3	15.6	20.7	11.0

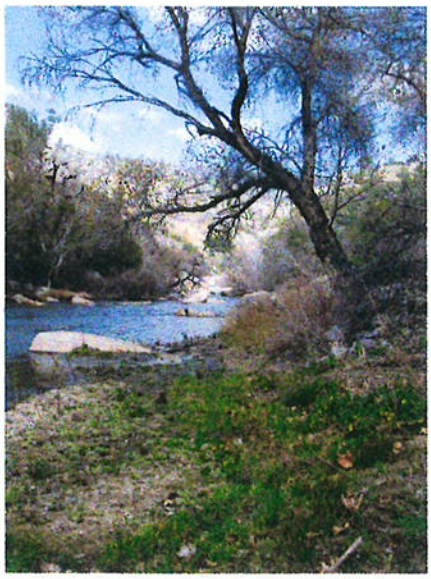
The 2013-14 Kern River Basin winter snowpack accumulation is depicted on the chart below.



Forecast

The State of California, Department of Water Resources, issued the following forecasts of Kern River runoff into Isabella Reservoir for the 2014 April-July snow melt period:

February 1, 2014:	30% of average (140,000 acre-feet)
March 1, 2014:	26% of average (120,000 acre-feet)
April 1, 2014:	22% of average (100,000 acre-feet)
May 1, 2014:	20% of average (95,000 acre-feet)



Runoff

Actual 2014 April-July Kern River inflow to Isabella Lake was 94,550 acre-feet (21% of average). Peak snow melt inflow to Isabella Reservoir occurred on May 4, 2014 with 984 cubic feet per second. Calendar Year runoff at First Point of Measurement near Bakersfield for 2014 totaled 175,409 acre-feet, 24% of the long-term average (719,250 acre-feet) and 33% of the historical median (535,754 acre-feet).

Storage

Isabella Reservoir began the year with 59,601 acre-feet of storage. The low point for storage at Isabella Lake during 2014 fell on December 1st with 44,804 acre-feet. Peak reservoir storage was reached on June 10, 2014 with 80,882 acre-feet (2541.73 ft. elevation). The largest daily increase in Isabella Dam storage occurred on May 19, 2014 with 853 acre-feet of storage gain; demand for stored water peaked on July 16, 2014 with 741 acre-feet of withdrawal.

Operations

Kern River regulated flow as computed at First Point of Measurement during the 2014 Calendar Year amounted to 175,353 acre-feet, 25% of the 1954-2014 average regulated flow of 689,408 acre-feet. Maximum regulated flow for the year occurred on June 2, 2014, with a mean daily discharge of 485 cubic feet per second.

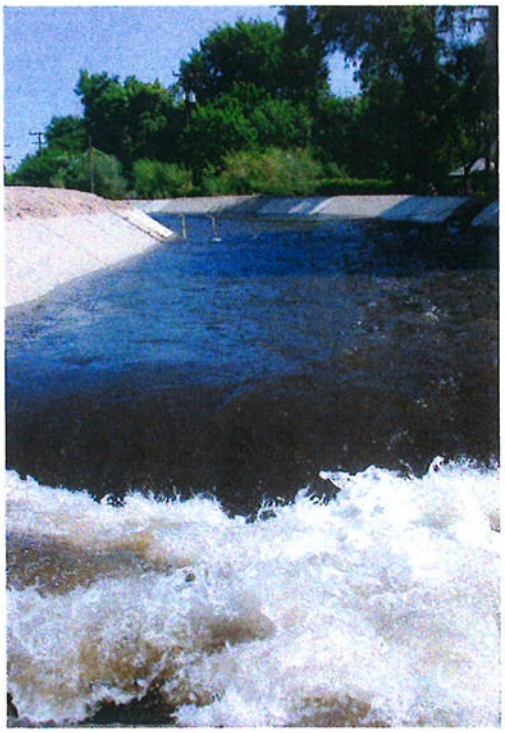
Deliveries of Kern River water to Second Point of Measurement totaled 2,037 acre-feet during 2014.

Total water yield of the Kern River drainage basin and its surface storage reservoir in acre-feet during 2014 is summarized as follows:

+	Kern River Computed Natural Flow	174,409
+	Isabella Reservoir Storage	16,016
-	Isabella Reservoir Evaporation	15,800
-	Kern River Diversion Above First Point	10,520
=	Kern River Flow at First Point	164,105

Delivery of ***Kern River*** water to canal and conveyance facilities located below First Point of Measurement for the 2014 Calendar Year was as follows:

Delivery Point	Flow in Acre-Feet
Beardsley Canal	31,854
Calloway Canal	8,356
Kern Island Canal	81,413
Eastside Canal	14,441
Stine Canal	0
Arvin-Edison Turnout	0
Buena Vista Canal	3,569
Rosedale Channel	0
Truxtun Lakes	1,186
The Park at River Walk	460
Second Point of Measurement	2,037
Seepage Loss (River, Carrier, including refill)	20,789



DISCHARGE IN CUBIC FEET PER SECOND

Kern River at First Point of Measurement "Computed Natural"

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	164	270	426	291	594	584	172	172	112	110	137	143
2	135	173	352	308	646	557	154	173	91	122	140	325
3	141	159	288	286	696	542	140	216	85	111	134	297
4	146	151	289	283	740	523	137	259	85	104	131	250
5	163	169	265	268	733	504	128	446	88	100	134	209
6	161	190	270	288	717	506	151	342	86	97	141	193
7	156	188	267	291	668	523	145	294	78	84	146	182
8	158	200	288	322	617	517	152	306	67	82	142	160
9	155	215	267	346	555	509	136	222	80	76	137	141
10	148	235	263	358	530	484	121	222	87	75	130	150
11	165	225	247	379	517	454	96	223	99	77	135	210
12	173	207	233	405	506	412	95	229	97	93	126	256
13	195	204	220	438	510	388	117	389	100	97	126	258
14	169	202	234	459	557	380	111	261	100	86	112	206
15	180	203	229	469	636	355	99	253	96	76	137	173
16	161	203	239	494	739	307	84	241	94	78	141	173
17	164	202	232	526	794	278	97	222	89	88	155	183
18	147	196	248	555	827	269	110	197	85	89	126	182
19	155	183	237	562	782	259	106	177	82	87	122	166
20	159	178	241	546	729	239	112	159	81	72	120	166
21	157	178	235	554	654	217	120	150	80	78	131	170
22	155	183	230	562	600	229	119	141	83	90	130	183
23	148	196	239	550	542	215	122	134	87	111	133	170
24	151	188	235	524	516	207	100	126	82	99	135	188
25	149	199	246	533	550	175	92	112	74	93	135	187
26	159	218	259	561	653	185	78	107	64	95	132	190
27	157	249	276	574	737	189	74	109	67	102	129	151
28	159	543	278	555	790	190	81	106	70	106	129	135
29	164	-	275	542	749	181	87	93	76	107	130	139
30	175	-	285	545	705	192	98	79	81	113	117	155
31	246	-	300	-	599	-	103	120	-	207	-	157
TOTAL	5,015	5,907	8,193	13,374	20,188	10,570	3,537	6,280	2,546	3,005	3,973	5,848
MAXIMUM DAY	246	543	426	574	827	584	172	446	112	207	155	325
MINIMUM DAY	135	151	220	268	506	175	74	79	64	72	112	135
MEAN	162	211	264	446	651	352	114	203	85	97	132	189
TOTAL AC. FT.	9,947	11,716	16,251	26,527	40,042	20,965	7,016	12,456	5,050	5,960	7,880	11,599

WHOLE YEAR:- TOTAL, 88,436 MAX., 827 MIN., 64 MEAN, 242 TOTAL AC.FT., 175,409

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	139	160	436	255	783	498	145	180	109	100	98	111
2	140	143	263	254	808	475	144	153	105	97	112	134
3	140	139	244	235	903	467	138	147	99	93	108	285
4	140	141	241	245	984	407	133	395	103	91	106	155
5	140	142	238	249	978	405	131	566	103	90	107	135
6	139	147	231	240	944	499	129	417	98	88	109	102
7	139	156	240	257	739	557	131	288	95	88	110	117
8	139	162	232	323	583	528	136	223	93	87	110	119
9	138	166	217	410	501	507	140	201	94	87	109	109
10	138	173	219	445	464	474	137	188	101	89	108	117
11	138	176	218	459	461	458	129	173	104	90	107	122
12	139	163	212	518	414	421	123	237	100	89	111	155
13	138	160	209	572	404	393	119	439	96	95	112	186
14	136	163	200	574	444	340	115	297	91	90	112	150
15	135	165	196	612	646	275	112	234	90	90	118	137
16	136	164	196	658	794	243	112	198	91	90	117	141
17	136	162	199	688	869	257	113	176	94	91	114	152
18	135	158	208	747	861	242	114	158	89	91	112	138
19	134	155	205	736	783	217	111	147	90	92	111	138
20	134	153	196	695	696	202	107	142	90	91	113	144
21	134	150	192	746	634	200	106	138	90	88	116	136
22	133	149	192	784	586	198	115	132	90	88	114	123
23	135	149	190	739	504	190	109	127	91	88	113	140
24	134	155	189	655	415	183	102	122	90	88	113	154
25	135	157	192	675	463	179	96	115	88	88	111	117
26	134	159	206	798	627	175	93	120	86	89	105	146
27	135	215	232	737	764	173	92	119	88	90	112	128
28	135	336	206	703	774	169	89	116	89	92	110	126
29	135	-	212	703	759	159	100	114	93	91	110	126
30	140	-	234	751	665	150	112	111	98	90	107	133
31	183	-	236	-	554	-	115	111	-	90	-	116
TOTAL	4,286	4,618	6,881	16,463	20,804	9,641	3,648	6,284	2,838	2,801	3,315	4,292
MAXIMUM DAY	183	336	436	798	984	557	145	566	109	100	118	285
MINIMUM DAY	133	139	189	235	404	150	89	111	86	87	98	102
MEAN	138	165	222	549	671	321	118	203	95	90	111	138
TOTAL AC. FT.	8,501	9,160	13,648	32,654	41,264	19,123	7,236	12,464	5,629	5,556	6,575	8,513

WHOLE YEAR:- TOTAL, 85,871 MAX., 984 MIN., 86 MEAN, 235 TOTAL AC.FT., 170,323

DISCHARGE IN CUBIC FEET PER SECOND

Kern River at First Point of Measurement "Regulated"

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	39	132	252	284	349	472	353	180	158	87	132	136
2	38	105	195	304	370	485	360	220	131	96	126	137
3	40	95	203	310	362	465	369	228	132	103	119	156
4	189	94	205	306	371	434	403	275	194	132	128	201
5	197	119	204	307	370	409	411	253	195	128	135	208
6	192	111	218	294	370	423	408	280	186	117	146	210
7	182	148	283	301	388	433	364	421	120	117	149	238
8	181	127	274	298	384	421	310	416	108	114	147	182
9	182	138	278	293	392	426	317	365	113	106	149	179
10	187	172	275	328	395	451	310	362	105	99	144	180
11	183	187	291	328	385	447	310	359	100	88	130	205
12	189	209	285	324	388	441	331	297	111	79	128	232
13	194	220	264	330	388	436	328	254	114	85	125	220
14	183	231	328	328	389	436	293	267	122	95	127	176
15	181	219	300	330	375	457	385	370	123	112	126	170
16	179	218	259	329	382	435	426	355	131	108	124	181
17	183	221	264	328	384	421	383	344	130	98	123	191
18	192	158	265	336	381	425	331	322	130	98	122	187
19	203	148	260	328	378	420	350	263	120	99	124	177
20	210	140	268	327	411	423	356	231	101	103	120	177
21	208	140	262	328	426	444	344	191	92	153	123	177
22	212	136	258	380	391	435	297	183	91	272	130	174
23	211	135	276	367	383	448	282	162	83	262	133	177
24	208	131	286	368	400	413	259	166	90	248	132	174
25	214	140	280	368	415	394	212	155	91	230	134	168
26	212	202	273	391	415	381	202	150	101	243	131	173
27	200	205	263	363	405	377	197	151	101	244	134	170
28	186	232	263	365	409	408	158	154	94	250	135	172
29	185	-	258	347	430	406	154	152	84	295	135	167
30	177	-	262	349	422	393	168	169	87	288	131	171
31	169	-	232	-	455	-	156	175	-	280	-	174
TOTAL	5,506	4,513	8,084	9,939	12,163	12,859	9,527	7,870	3,538	4,829	3,942	5,640
MAXIMUM INSTANT.	224	242	355	461	460	616	577	501	203	295	149	250
MINIMUM INSTANT.	38	91	168	284	282	311	143	145	64	73	114	120
MEAN	178	161	261	331	392	429	307	254	118	156	131	182
TOTAL AC. FT.	10,920	8,951	16,034	19,712	24,124	25,505	18,897	15,610	7,018	9,577	7,820	11,185

WHOLE YEAR:- TOTAL, 88,410 MAX., 616 MIN., 38 MEAN, 242 TOTAL AC.FT., 175,353

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2014

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

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

DISCHARGE IN CUBIC FEET PER SECOND

Kern River Conduit at Alternate Second Point (Total Flow)

Year: 2014

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	45	0	0
23	0	0	0	0	0	0	0	0	0	98	0	0
24	0	0	0	0	0	0	0	0	0	90	0	0
25	0	0	0	0	0	0	0	0	0	86	0	0
26	0	0	0	0	0	0	0	0	0	99	0	0
27	0	0	0	0	0	0	0	0	0	103	0	0
28	0	0	0	0	0	0	0	0	0	100	0	0
29	0	-	0	0	0	0	0	0	0	119	0	0
30	0	-	0	0	0	0	0	0	0	143	0	0
31	0	-	0	-	0	-	0	0	-	144	-	0
TOTAL	0	0	0	0	0	0	0	0	0	1,027	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	144	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	33	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	2,037	0	0

WHOLE YEAR:- TOTAL, 1,027 MAX., 144 MIN., 0 MEAN, 3 TOTAL AC.FT., 2,037

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2014

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

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

CITY OF BAKERSFIELD
SUMMARY OF KERN RIVER ENTITLEMENTS

Quantities in acre-feet

Year: 2014

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista W.S.D. Entitlement	0	0	113	2,819	6,875	1,732	0	177	0	0	0	0	11,716
Hacienda W.D. Entitlement	0	0	0	0	0	0	0						0
K.C.L. Entitlement @ 2nd Point	0	0	0	0	297	79	0	8	0	0	0	0	384
Kern Island (1-st)	9,271	10,645	15,221	17,012	18,381	15,203	6,340	11,292	4,395	5,284	7,225	10,895	131,164
Eastside													
Kern River Conduit			241	6,041	13,541	3,296	0	303					23,422
Castro	0	10	0	0	0	0	0	0	0	0	0	6	16
KCC & W Co.	0	28	0	0	10	0	0	0	0	0	0	16	54
South Fork	0	20	0	0	6	0	0	0	0	0	0	6	32
Buena Vista (1-st)	0	150	0	0	46	0	0	0	0	0	0	0	196
James (1-st)	0	228	0	0	63	0	0	0	0	0	0	0	291
Anderson (1-st)	0	24	0	0	10	0	0	0	0	0	0	0	34
Stine	0	0	0	0	81	0	0	0	0	0	0	0	81
Meacham	0	0	0	0	18	0	0	0	0	0	0	0	18
Farmers	0	0	0	0	38	0	0	0	0	0	0	0	38
Plunket	0	0	0	0	0	0	0	0	0	0	0	0	0
Joyce	0	0	0	0	0	0	0	0	0	0	0	0	0
Johnson	0	0	0	0	0	0	0	0	0	0	0	0	0
Pioneer (1-st)	0	0	0	0	0	0	0	0	0	0	0	0	0
Beardsley (1-st)	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo (NKWSD)													
Anderson (2-nd)	0	0	0	0	0	0	0	0	0	0	0	0	0
James & Dixon	0	0	0	0	0	0	0	0	0	0	0	0	0
Wilson	0	0	0	0	0	0	0	0	0	0	0	0	0
KCC & W Co.	0	0	0	0	0	0	0	0	0	0	0	0	0
McCaffrey	0	0	0	0	0	0	0	0	0	0	0	0	0
McCord: Lerdo 30%	0	0	0	0	0	0	0	0	0	0	0	0	0
Beardsley 70%	0	0	0	0	0	0	0	0	0	0	0	0	0
Calloway: Central 20%	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD 80%	0	0	0	0	0	0	0	0	0	0	0	0	0
Railroad: KCC & W Co. 20%	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD 80%	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista (2-nd)	0	0	0	0	0	0	0	0	0	0	0	0	0
James (2-nd)	0	0	0	0	0	0	0	0	0	0	0	0	0
Pioneer (2-nd)	0	0	0	0	0	0	0	0	0	0	0	0	0
Beardsley (3-rd)	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island (2-nd)	0	0	0	0	0	0	0	0	0	0	0	0	0
Computed Loss	676	611	676	655	676	655	676	676	655	676	655	676	7,963
Total 1st Point Group Entitlement	9,947	11,716	16,138	23,708	33,167	19,233	7,016	12,279	5,050	5,960	7,880	11,599	163,693

CITY OF BAKERSFIELD

SUMMARY OF KERN RIVER FIRST POINT GROUP

KERN RIVER DIVERSIONS

Quantities in acre-feet

Year: 2014

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
KERN RIVER FLOW AT FIRST POINT	**9,993**	**8,715**	**15,053**	**18,746**	**22,939**	**24,409**	**17,693**	**14,461**	**6,006**	**8,624**	**7,012**	**10,454**	**164,105**
BEARDSLEY CANAL	202	698	1,371	4,058	3,519	4,260	6,149	1,686	1,559	659	569	7,124	31,854
CALLOWAY CANAL	0	771	1,942	1,980	3,336	327	0	0	0	0	0	0	8,356
KERN ISLAND CANAL	8,459	3,985	7,444	7,872	8,789	10,810	8,134	11,000	3,624	3,985	5,387	1,924	81,413
EASTSIDE CANAL	0	0	1,829	2,749	3,632	3,644	2,061	526	0	0	0	0	14,441
STINE CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUXTUN LAKES	0	0	0	0	388	113	119	113	65	152	73	163	1,186
ARVIN-EDISON TURNOUT	0	0	0	0	0	0	0	0	0	0	0	0	0
BUENA VISTA CANAL	0	0	0	0	149	3,420	0	0	0	0	0	0	3,569
THE PARK AT RIVER WALK	0	0	0	0	60	83	75	65	0	52	32	93	460
ROSEDALE CHANNEL	0	0	0	0	0	0	0	0	0	0	0	0	0
PIONEER CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0
BERRENDA MESA PIPELINE	0	0	0	0	0	0	0	0	0	0	0	0	0
PIONEER PROPERTY	0	0	0	0	0	0	0	0	0	0	0	0	0
AERA PARK TURNOUT	0	0	0	0	0	0	0	0	0	0	0	0	0
KERN WATER BANK VIA 2800 ACRES	0	0	0	0	0	0	0	0	0	0	0	0	0
KERN WATER BANK CANAL AT HEAD	0	0	0	0	0	0	0	0	0	0	0	0	0
2800 ACRE RECHARGE FACILITY	0	0	0	0	0	0	0	0	0	0	0	0	0
First Point Passing Second Point	0	0	0	0	0	0	0	0	0	0	0	0	0
CARRIER CANAL LOSS/REFILL	571	35	18	78	688	655	0	0	0	0	0	0	2,045
RIVER LOSS & SPREADING	761	3,226	2,449	2,009	2,378	1,097	1,155	1,071	758	1,739	951	1,150	18,744
FIRST POINT CANALS TOTAL FLOW	**9,993**	**8,715**	**15,053**	**18,746**	**22,939**	**24,409**	**17,693**	**14,461**	**6,006**	**6,587**	**7,012**	**10,454**	**162,068**
TOTAL FLOW AT SECOND POINT	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2,037**	**0**	**0**	**2,037**
BUENA VISTA WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY to BUENA VISTA WSD	0	0	0	0	0	0	0	0	0	2,037	0	0	2,037
HACIENDA WATER DISTRICT	0	0	0	0	0	0	0	0	0	0	0	0	0
KERN DELTA WATER DISTRICT	0	0	0	0	0	0	0	0	0	0	0	0	0

UTILIZATION OF STORAGE - ISABELLA RESERVOIR
KERN RIVER FIRST POINT GROUP

Year: 2014

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	519	3,561	4,057	3,912	3,948	1,728	375	591	1,341	2,500	403	517	23,452
Buena Vista	1,500	1,630	1,584	1,526	1,320	0	0	0	0	0	232	228	8,020
Stine	110	140	136	132	132	127	119	111	103	97	93	91	1,391
Farmers	10	10	10	10	12	12	12	12	12	12	12	12	136
KERN DELTA WD TOTAL	**2,139**	**5,341**	**5,787**	**5,580**	**5,412**	**1,867**	**506**	**714**	**1,456**	**2,609**	**740**	**848**	**32,999**
City of Bakersfield	7,689	6,899	6,145	15,390	26,221	25,822	21,016	17,563	14,119	8,498	8,298	8,094	165,754
Kern River Canal & Irr. Co.	0	0	0	0	0	0	0	0	0	0	0	0	0
South Fork	600	600	600	600	606	606	606	606	606	606	600	600	7,236
Improvement District No. 4	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF BAKERSFIELD TOTAL	**8,289**	**7,499**	**6,745**	**15,990**	**26,827**	**26,428**	**21,622**	**18,169**	**14,725**	**9,104**	**8,898**	**8,694**	**172,990**
NORTH KERN WSD	**11,423**	**11,352**	**11,353**	**10,765**	**9,729**	**6,590**	**3,442**	**3,152**	**2,954**	**2,791**	**4,357**	**4,570**	**82,478**
TOTAL 1ST POINT STORAGE	**21,851**	**24,192**	**23,885**	**32,335**	**41,968**	**34,885**	**25,570**	**22,035**	**19,135**	**14,504**	**13,995**	**14,112**	**288,467**

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: 2014

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	+	9,271	10,795	15,221	17,012	18,546	15,203	6,340	11,292	4,395	5,284	7,225	10,895	131,479
Kern River Preserved Entitlement	+	8,840	0	0	0	0	0	0	0	0	6,989	3,633	2,460	21,922
Release	+ or -	(491)	(148)	(1,900)	(3,812)	(1,644)	0	0	0	0	(48)	(3,614)	(8,845)	(20,502)
Entitlement + or - Releases	=	**8,780**	**10,647**	**13,321**	**13,200**	**16,902**	**15,203**	**6,340**	**11,292**	**4,395**	**5,236**	**3,611**	**2,050**	**110,977**
Into Isabella Storage	-	1,164	3,389	1,129	0	207	166	280	1,515	855	1,343	278	902	11,228
From Isabella Storage	+	1,414	113	512	0	145	3,507	1,585	1,234	40	92	2,054	776	11,472
From City of Bakersfield	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From North Kern WSD	+	0	0	0	0	0	0	0	0	0	0	0	0	0
To City of Bakersfield	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage Transfer/Exch.	+ or -	0	0	0	0	0	0	0	0	0	0	0	0	0
River and Carrier Canal Loss	-	571	0	0	0	0	393	0	0	0	0	0	0	964
To North Kern WSD	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Via Cawelo Water District	-	0	0	0	0	0	0	0	0	0	0	0	0	0
For Improvement District No.4	-	0	3,386	3,481	2,992	4,270	278	0	0	0	0	0	0	14,407
Other	+ or -	0	771	3,481	2,992	4,270	278	0	0	0	0	0	0	11,792
Diverted at Heads of Canals	=	**8,459**	**4,756**	**12,704**	**13,200**	**16,840**	**18,151**	**7,645**	**11,011**	**3,580**	**3,985**	**5,387**	**1,924**	**107,642**
From North Kern WSD	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From Cawelo Water District	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From Improvement District No.4	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	=	**8,459**	**4,756**	**12,704**	**13,200**	**16,840**	**18,151**	**7,645**	**11,011**	**3,580**	**3,985**	**5,387**	**1,924**	**107,642**
Utility Deliveries		5,257	3,041	8,955	9,401	11,196	9,956	4,351	5,758	1,584	1,766	2,934	1,687	65,886
Contract Deliveries		257	312	561	499	536	425	132	156	57	71	54	30	3,090
Total Irrigation Deliveries	-	**5,514**	**3,353**	**9,516**	**9,900**	**11,732**	**10,381**	**4,483**	**5,914**	**1,641**	**1,837**	**2,988**	**1,717**	**68,976**
Canal Conveyance Losses	=	2,945	1,403	3,188	3,300	5,108	7,770	3,162	5,097	1,939	2,148	2,399	207	38,666
Delivery Percentage		65%	71%	75%	75%	70%	57%	59%	54%	46%	46%	55%	89%	64%

Reservoir Evaporation Loss		60	74	171	207	230	204	56	73	73	98	93	18	1,357
End of Month Reservoir Storage		**2,139**	**5,341**	**5,787**	**5,580**	**5,412**	**1,867**	**506**	**714**	**1,456**	**2,609**	**740**	**848**	

DISCHARGE IN CUBIC FEET PER SECOND

Total Flow via the Kern Island Canal Headgate

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	89	107	119	106	175	128	102	90	50	90	107
2	0	66	121	155	131	170	125	143	69	55	91	110
3	0	64	124	149	112	171	128	145	61	58	90	123
4	0	63	126	148	116	174	127	162	60	95	89	162
5	39	52	118	115	125	181	124	186	59	93	90	160
6	155	52	133	97	146	185	125	211	61	81	90	161
7	157	53	196	103	164	188	122	238	60	80	90	147
8	155	52	143	100	145	187	108	243	53	80	90	0
9	156	59	122	96	147	176	107	250	54	72	91	0
10	160	106	132	117	139	174	103	249	52	64	90	0
11	159	118	124	163	123	168	109	253	53	55	90	0
12	163	119	130	176	127	173	133	226	52	49	89	0
13	169	111	142	177	138	170	140	189	61	45	89	0
14	158	97	188	174	145	166	148	203	71	56	90	0
15	153	88	112	171	149	166	213	276	72	74	90	0
16	154	93	104	174	147	170	204	274	75	72	90	0
17	158	94	108	187	145	183	168	265	75	64	90	0
18	165	62	104	183	129	185	169	252	73	64	90	0
19	178	52	111	177	127	184	185	215	64	65	90	0
20	180	45	115	136	130	183	196	174	61	64	90	0
21	177	39	114	116	152	185	183	136	55	65	90	0
22	179	39	113	96	145	185	146	134	54	59	90	0
23	180	38	108	111	124	181	145	121	46	61	90	0
24	176	38	105	94	155	177	135	119	54	60	90	0
25	180	39	104	103	156	200	105	120	55	61	91	0
26	182	87	102	97	166	206	86	110	64	59	90	0
27	166	93	104	83	169	202	92	108	65	59	91	0
28	154	101	110	107	171	201	94	109	59	60	90	0
29	149	-	124	107	170	200	88	110	49	60	91	0
30	138	-	121	138	168	184	84	109	50	60	104	0
31	125	-	88	-	164	-	81	114	-	69	-	0
TOTAL	4,265	2,009	3,753	3,969	4,431	5,450	4,101	5,546	1,827	2,009	2,716	970
MAXIMUM DAY	182	119	196	187	171	206	213	276	90	95	104	162
MINIMUM DAY	0	38	88	83	106	166	81	102	46	45	89	0
MEAN	138	69	121	132	143	182	132	179	61	65	91	31
TOTAL AC. FT.	8,459	3,985	7,444	7,872	8,789	10,810	8,134	11,000	3,624	3,985	5,387	1,924

WHOLE YEAR:- TOTAL, 41,046 MAX., 276 MIN., 0 MEAN, 112 TOTAL AC.FT., 81,413

KERN DELTA WATER DISTRICT

KERN ISLAND CANAL SERVICE AREA

Quantities in acre-feet

Year: 2014

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern Island (1st) Gross Ent'l	+	9,271	10,645	15,221	17,012	18,381	15,203	6,340	11,292	4,395	5,284	7,225	10,895	131,164
Kern Island (1st) Preserved Ent'l	+	8,493	0	0	0	0	0	0	0	0	6,989	3,375	2,050	20,907
Kern Island (1st) Release	-	778	188	1,900	3,812	1,491	0	0	0	0	0	3,850	8,845	20,864
Kern Island (2nd) Gross Ent'l	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island (2nd) Release	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Entitlement + or - Releases	=	**8,493**	**10,457**	**13,321**	**13,200**	**16,890**	**15,203**	**6,340**	**11,292**	**4,395**	**5,284**	**3,375**	**2,050**	**110,300**
Into Storage	-	877	3,199	1,129	0	199	166	280	1,515	855	1,343	42	902	10,507
From Storage	+	1,414	113	512	0	0	2,214	1,585	1,234	40	92	2,054	776	10,034
From North Kern WSD	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From City of Bakersfield	+	0	0	0	0	0	0	0	0	0	0	0	0	0
River and Carrier Canal Loss	-	571	0	0	0	0	393	0	0	0	0	0	0	964
Other: Canal Refill	+/-	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	+/-	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastside Canal Entitlement	-	0	0	0	2,749	2,749	3,644	1,599	526	0	0	0	0	11,267
To City of Bakersfield	-	0	0	0	0	0	0	0	0	0	0	0	0	0
To North Kern WSD	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Other: Exchange Plus	+/-		771	3,481	2,992	4,270	278	0	315	0	0	0	0	12,107
For Improvement District No.4	-	0	3,386	3,481	2,992	4,270	278	0	0	0	0	0	0	14,407
Diverted at Head of Canal	=	**8,459**	**4,756**	**12,704**	**10,451**	**13,942**	**13,214**	**6,046**	**10,800**	**3,580**	**4,033**	**5,387**	**1,924**	**95,296**
From Cawelo Water District	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From North Kern WSD	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From Improvement District No.4	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	=	**8,459**	**4,756**	**12,704**	**10,451**	**13,942**	**13,214**	**6,046**	**10,800**	**3,580**	**4,033**	**5,387**	**1,924**	**95,296**
Utility Deliveries		5,257	3,041	8,094	7,826	9,500	6,598	3,214	5,343	1,584	1,766	2,934	1,687	56,844
Contract Deliveries		257	312	561	499	536	425	132	132	57	71	54	30	3,066
Total Irrigation Deliveries	-	**5,514**	**3,353**	**8,655**	**8,325**	**10,036**	**7,023**	**3,346**	**5,475**	**1,641**	**1,837**	**2,988**	**1,717**	**59,910**
Canal Conveyance Losses	=	2,945	1,403	4,049	2,126	3,906	6,191	2,700	5,325	1,939	2,196	2,399	207	35,386
Delivery Percentage		65%	71%	68%	80%	72%	53%	55%	51%	46%	46%	55%	89%	63%

Into Reservoir Storage		877	3,199	1,129	0	199	166	280	1,515	855	1,343	42	902	10,507
Reservoir Evaporation Loss		32	44	121	145	163	172	48	65	65	92	85	12	1,044
From Reservoir Storage		1,414	113	512	0	0	2,214	1,585	1,234	40	92	2,054	776	10,034
End of Month Reservoir Storage		**519**	**3,561**	**4,057**	**3,912**	**3,948**	**1,728**	**375**	**591**	**1,341**	**2,500**	**403**	**517**	

State Exchange Diverted		0	0	0	0	0	0	244	200	44	0	0	0	488
State Exchange Delivered (Irrigation)		0	0	0	0	0	0	244	200	44	0	0	0	488
State Exchange Delivered (Loss/Spdg.)		0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Water Diverted		0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Water Delivered (Irrigation)		0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Water Delivered (Loss/Spreading)		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
Lower River Water Delivered		0	0	0	0	0	0	0	0	0	0	0	0	0
Rio Bravo Well Water Transported		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

Year: 2014

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
KERN ISLAND CANAL ENTITLEMENT:													
Maximum	8,493	16,661	18,446	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	207,234
Actual	8,493	10,645	15,221	17,012	18,381	15,203	6,340	11,292	4,395	5,284	7,225	10,895	130,386
Maximum Percentage	100.00%	63.89%	82.52%	95.30%	99.65%	85.17%	34.37%	61.22%	24.62%	28.65%	40.47%	59.06%	
CONTRACT ENTITLEMENT:													
Maximum	113	222	246	238	246	238	246	246	238	246	45	45	2,369
Actual	113	142	203	227	245	203	85	151	59	70	18	27	1,543
Sum to Date	113	255	458	685	930	1,133	1,218	1,369	1,428	1,498	1,516	1,543	
CONTRACT DIVERTED:													
For Month	94	95	352	267	297	222	88	44	0	0	0	0	1,459
To Date	94	189	541	808	1,105	1,327	1,415	1,459	1,459	1,459	1,459	1,459	
UNUSED ENTITLEMENT:													
For Month	19	47	(149)	(40)	(52)	(19)	(3)	107	59	70	18	27	84
Sum to Date	19	66	(83)	(123)	(175)	(194)	(197)	(90)	(31)	39	57	84	

KERN ISLAND CANAL

ENTITLEMENT AND DIVERSION OF CONTRACT WATER

BLOOMFIELD CONTRACT

Year: 2014

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
KERN ISLAND CANAL ENTITLEMENT:													
Maximum	8,493	10,645	18,446	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	201,218
Actual	8,493	10,645	15,221	17,012	18,381	15,203	6,340	11,292	4,395	5,284	7,225	10,895	130,386
Maximum Percentage	100.00%	100.00%	82.52%	95.30%	99.65%	85.17%	34.37%	61.22%	24.62%	28.65%	40.47%	59.06%	
CONTRACT ENTITLEMENT:													
Maximum	142	142	307	298	307	298	307	307	298	116	56	34	2,612
Actual	142	142	253	284	306	254	106	188	73	33	23	20	1,824
Sum to Date	142	284	537	821	1,127	1,381	1,487	1,675	1,748	1,781	1,804	1,824	
CONTRACT DIVERTED:													
For Month	163	217	209	232	239	202	44	88	57	71	54	30	1,606
To Date	163	380	589	821	1,060	1,262	1,306	1,394	1,451	1,522	1,576	1,606	
UNUSED ENTITLEMENT:													
For Month	(21)	(75)	44	52	67	52	62	100	16	(38)	(31)	(10)	218
Sum to Date	(21)	(96)	(52)	0	67	119	181	281	297	259	228	218	

DISCHARGE IN CUBIC FEET PER SECOND

Total Flow via the Eastside Canal Headgate

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	37	52	54	47	0	0	0	0	0
2	0	0	0	35	56	53	45	0	0	0	0	0
3	0	0	0	36	56	73	48	0	0	0	0	0
4	0	0	0	36	57	73	57	0	0	0	0	0
5	0	0	0	40	62	66	54	0	0	0	0	0
6	0	0	0	41	63	66	55	8	0	0	0	0
7	0	0	0	40	59	66	59	60	0	0	0	0
8	0	0	0	48	58	65	48	58	0	0	0	0
9	0	0	0	50	58	63	45	51	0	0	0	0
10	0	0	0	51	48	62	41	47	0	0	0	0
11	0	0	0	56	46	67	40	41	0	0	0	0
12	0	0	0	51	45	63	37	0	0	0	0	0
13	0	0	0	44	52	68	23	0	0	0	0	0
14	0	0	25	43	58	70	24	0	0	0	0	0
15	0	0	70	50	55	66	25	0	0	0	0	0
16	0	0	64	50	55	62	25	0	0	0	0	0
17	0	0	61	51	64	54	26	0	0	0	0	0
18	0	0	55	50	63	54	33	0	0	0	0	0
19	0	0	52	49	68	54	33	0	0	0	0	0
20	0	0	50	51	71	55	32	0	0	0	0	0
21	0	0	50	51	70	55	43	0	0	0	0	0
22	0	0	50	54	76	56	45	0	0	0	0	0
23	0	0	51	58	64	62	37	0	0	0	0	0
24	0	0	55	53	63	67	32	0	0	0	0	0
25	0	0	56	50	63	71	32	0	0	0	0	0
26	0	0	56	46	62	73	32	0	0	0	0	0
27	0	0	55	37	60	67	21	0	0	0	0	0
28	0	0	52	41	57	47	0	0	0	0	0	0
29	0	-	44	42	59	42	0	0	0	0	0	0
30	0	-	40	45	59	43	0	0	0	0	0	0
31	0	-	36	-	52	-	0	0	-	0	-	0
TOTAL	0	0	922	1,386	1,831	1,837	1,039	265	0	0	0	0
MAXIMUM DAY	0	0	70	58	76	73	59	60	0	0	0	0
MINIMUM DAY	0	0	0	35	45	42	0	0	0	0	0	0
MEAN	0	0	30	46	59	61	34	9	0	0	0	0
TOTAL AC. FT.	0	0	1,829	2,749	3,632	3,644	2,061	526	0	0	0	0

WHOLE YEAR:- TOTAL, 7,280 MAX., 76 MIN., 0 MEAN, 20 TOTAL AC.FT., 14,441

KERN DELTA WATER DISTRICT

EASTSIDE CANAL SERVICE AREA

Quantities in acre-feet

Year: 2014

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	+	0	0	1,779	2,749	3,632	3,644	1,599	526	0	0	0	0	13,929
State Exchange Diverted	+	0	0	50	0	0	0	462	0	0	0	0	0	512
City Miscellaneous Diverted	+	0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Water Diverted	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Lower River Water Diverted	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastside Canal at Head	=	**0**	**0**	**1,829**	**2,749**	**3,632**	**3,644**	**2,061**	**526**	**0**	**0**	**0**	**0**	**14,441**
Utility Deliveries	+	0	0	861	1,343	1,696	2,362	475	215	0	0	0	0	6,952
Contract Deliveries	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal Utility Deliveries	=	0	0	861	1,343	1,696	2,362	475	215	0	0	0	0	6,952
State Exchange Delivered	+	0	0	0	0	0	0	462	0	0	0	0	0	462
City Miscellaneous Delivered	+	0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Water Delivered	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Lower River Water Diverted	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal State/Other Deliveries	=	0	0	0	0	0	0	462	0	0	0	0	0	462
Total Irrigation Deliveries		**0**	**0**	**861**	**1,343**	**1,696**	**2,362**	**937**	**215**	**0**	**0**	**0**	**0**	**7,414**
Canal Loss (Utility)	+	0	0	918	1,406	1,936	1,282	1,124	311	0	0	0	0	6,977
Canal Loss (State)	+	0	0	50	0	0	0	0	0	0	0	0	0	50
Canal Loss (Other)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Canal Loss	=	**0**	**0**	**968**	**1,406**	**1,936**	**1,282**	**1,124**	**311**	**0**	**0**	**0**	**0**	**7,027**
Delivery Percentage		0%	0%	47%	49%	47%	65%	45%	41%	0%	0%	0%	0%	51%

DISCHARGE IN CUBIC FEET PER SECOND

Total Flow via the Buena Vista Canal Headgate

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	33	0	0	0	0	0	0
2	0	0	0	0	0	63	0	0	0	0	0	0
3	0	0	0	0	0	76	0	0	0	0	0	0
4	0	0	0	0	0	75	0	0	0	0	0	0
5	0	0	0	0	0	77	0	0	0	0	0	0
6	0	0	0	0	0	77	0	0	0	0	0	0
7	0	0	0	0	0	78	0	0	0	0	0	0
8	0	0	0	0	0	77	0	0	0	0	0	0
9	0	0	0	0	0	78	0	0	0	0	0	0
10	0	0	0	0	0	72	0	0	0	0	0	0
11	0	0	0	0	0	73	0	0	0	0	0	0
12	0	0	0	0	0	61	0	0	0	0	0	0
13	0	0	0	0	0	60	0	0	0	0	0	0
14	0	0	0	0	0	72	0	0	0	0	0	0
15	0	0	0	0	0	80	0	0	0	0	0	0
16	0	0	0	0	0	75	0	0	0	0	0	0
17	0	0	0	0	0	75	0	0	0	0	0	0
18	0	0	0	0	0	78	0	0	0	0	0	0
19	0	0	0	0	0	82	0	0	0	0	0	0
20	0	0	0	0	0	80	0	0	0	0	0	0
21	0	0	0	0	0	81	0	0	0	0	0	0
22	0	0	0	0	0	72	0	0	0	0	0	0
23	0	0	0	0	0	77	0	0	0	0	0	0
24	0	0	0	0	0	47	0	0	0	0	0	0
25	0	0	0	0	0	5	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	16	0	0	0	0	0	0	0
30	0	-	0	0	30	0	0	0	0	0	0	0
31	0	-	0	-	29	-	0	0	-	0	-	0
TOTAL	0	0	0	0	75	1,724	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	30	82	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	2	57	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	149	3,420	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 1,799 MAX., 82 MIN., 0 MEAN, 5 TOTAL AC.FT., 3,569

KERN DELTA WATER DISTRICT

BUENA VISTA CANAL SERVICE AREA

Quantities in acre-feet

Year: 2014

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista (1st) Gross Ent'l	+	0	150	0	0	46	0	0	0	0	0	0	0	196
Buena Vista (1st) Preserved Ent'l	+	347	0	0	0	0	0	0	0	0	0	236	191	774
Buena Vista (1st) Release	+ or -	200	8	0	0	(42)	0	0	0	0	0	236	0	402
Buena Vista (2nd) Gross Ent'l	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista (2nd) Release	+ or -	0	0	0	0	0	0	0	0	0	0	0	0	0
Entitlement + or - Releases	=	**200**	**158**	**0**	**0**	**4**	**0**	**0**	**0**	**0**	**0**	**236**	**0**	**598**
Into Storage	-	200	158	0	0	0	0	0	0	0	0	236	0	594
From Storage	+	0	0	0	0	145	1,293	0	0	0	0	0	0	1,438
Via Cawelo Water District	-	0	0	0	0	0	0	0	0	0	0	0	0	0
To North Kern WSD	-	0	0	0	0	0	0	0	0	0	0	0	0	0
To City of Bakersfield	-	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	0	0
Transfer in Storage	+ or -	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal/River Loss	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head of Canal	=	**0**	**0**	**0**	**0**	**149**	**1,293**	**0**	**0**	**0**	**0**	**0**	**0**	**1,442**
From Cawelo Water District	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From North Kern WSD	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	=	**0**	**0**	**0**	**0**	**149**	**1,293**	**0**	**0**	**0**	**0**	**0**	**0**	**1,442**
Utility Deliveries		0	0	0	0	0	718	0	0	0	0	0	0	718
Contract Deliveries		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	-	**0**	**0**	**0**	**0**	**0**	**718**	**0**	**0**	**0**	**0**	**0**	**0**	**718**
Canal Conveyance Losses	=	0	0	0	0	149	575	0	0	0	0	0	0	724
Delivery Percentage		0%	0%	0%	0%	0%	56%	0%	0%	0%	0%	0%	0%	50%
Into Reservoir Storage		200	158	0	0	0	0	0	0	0	0	236	0	594
Reservoir Evaporation Loss		27	28	46	58	61	27	0	0	0	0	4	4	255
From Reservoir Storage		0	0	0	0	145	1,293	0	0	0	0	0	0	1,438
End of Month Reservoir Storage		**1,500**	**1,630**	**1,584**	**1,526**	**1,320**	**0**	**0**	**0**	**0**	**0**	**232**	**228**	
State Exchange Diverted		0	0	0	0	0	0	0	0	0	0	0	0	0
State Exchange Delivered		0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Water Diverted		0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Water Delivered (Irrigation)		0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Water Delivered (Loss/Spreading)		0	0	0	0	0	0	0	0	0	0	0	0	0
City of Bakersfield via Buena Vista		0	0	0	0	0	0	0	0	0	0	0	0	0

KERN DELTA WATER DISTRICT
BUENA VISTA CANAL

DISTRIBUTION OF WATER

Quantities in acre-feet

Year: 2014

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista Canal at Headworks	0	0	0	0	149	3,420	0	0	0	0	0	0	3,569
Buena Vista Canal from Maples Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL BUENA VISTA CANAL SUPPLY	**0**	**0**	**0**	**0**	**149**	**3,420**	**0**	**0**	**0**	**0**	**0**	**0**	**3,569**
Deliveries:													
Buena Vista Utility	0	0	0	0	0	718	0	0	0	0	0	0	718
Buena Vista State Exchange (Irrigation)	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista State Exchange (Spreading)	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista MWD Water (Irrigation)	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista MWD Water (Loss)	0	0	0	0	0	0	0	0	0	0	0	0	0
Stine Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Stine MWD/State Exchange (Irrigation)	0	0	0	0	0	0	0	0	0	0	0	0	0
Stine MWD/State Exchange (Spreading)	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island Utility	0	0	0	0	0	845	0	0	0	0	0	0	845
Kern Island State Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island MWD Water	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DELIVERED	**0**	**0**	**0**	**0**	**0**	**1,563**	**0**	**0**	**0**	**0**	**0**	**0**	**1,563**
Canal Conveyance Losses	0	0	0	0	149	1,857	0	0	0	0	0	0	2,006
Delivery Percentage	0%	0%	0%	0%	0%	46%	0%	0%	0%	0%	0%	0%	44%
DISTRIBUTION:													
Buena Vista Utility	0	0	0	0	0	1,293	0	0	0	0	0	0	1,293
Buena Vista State Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista MWD Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Stine Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Stine MWD/State Exchange Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island Utility Delivered	0	0	0	0	0	845	0	0	0	0	0	0	845
Kern Island Utility Loss	0	0	0	0	0	1,282	0	0	0	0	0	0	1,282
Kern Island State Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island MWD Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Floodwater	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**3,420**	**0**	**0**	**0**	**0**	**0**	**0**	**3,420**

DISCHARGE IN CUBIC FEET PER SECOND

Total Flow via the Stine Canal Headgate

Year: 2014

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

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

KERN DELTA WATER DISTRICT
STINE CANAL SERVICE AREA

Quantities in acre-feet

Year: 2014

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	+	0	0	0	0	81	0	0	0	0	0	0	0	81
Preserved Entitlement	+	0	0	0	0	0	0	0	0	583	1,380	22	12	1,997
Release	+ or -	87	32	0	0	(75)	0	0	0	0	0	0	0	44
Entitlement + or - Releases	=	**87**	**32**	**0**	**0**	**6**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**125**
Into Storage	-	87	32	0	0	6	0	0	0	0	0	0	0	125
From Storage	+	0	0	0	0	0	0	0	0	0	0	0	0	0
To North Kern WSD	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Via Cawelo Water District	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	+ or -	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Loss	-	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	0	0
Diverted at Head of Canal	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
From Cawelo Water District	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Utility Deliveries		0	0	0	0	0	0	0	0	0	0	0	0	0
Contract Deliveries		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	-	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Canal Conveyance Losses	=	0	0	0	0	0	0	0	0	0	0	0	0	0
Delivery Percentage		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Into Reservoir Storage	87	32	0	0	6	0	0	0	0	0	0	0	0	125
Reservoir Evaporation Loss	1	2	4	4	6	5	8	8	8	6	4	2	58	
From Reservoir Storage	0	0	0	0	0	0	0	0	0	0	0	0	0	
End of Month Reservoir Storage	**110**	**140**	**136**	**132**	**132**	**127**	**119**	**111**	**103**	**97**	**93**	**91**		

State Exchange Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
State Exchange Delivered (Irrigation)	0	0	0	0	0	0	0	0	0	0	0	0	0
State Exchange Delivered (Loss/Spreading)	0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Water Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Water Delivered (Irrigation)	0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Water Delivered (Loss/Spreading)	0	0	0	0	0	0	0	0	0	0	0	0	0
Mandatory Release 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: 2014

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	+	0	0	0	0	38	0	0	0	0	0	0	0	38
Preserved Entitlement	+	0	0	0	0	0	0	0	610	268	0	0	0	878
Release	+ or -	0	0	0	0	(36)	0	0	0	0	0	0	0	(36)
Entitlement + or - Releases	=	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**
Into Storage	-	0	0	0	0	2	0	0	0	0	0	0	0	2
From Storage	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	+ or -	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Loss	-	0	0	0	0	0	0	0	0	0	0	0	0	0
For Improvement District No.4	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head of Canal	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Utility Deliveries		0	0	0	0	0	0	0	0	0	0	0	0	0
Contract Deliveries		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	-	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Canal Conveyance Losses	=	0	0	0	0	0	0	0	0	0	0	0	0	0
Delivery Percentage		0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%

Into Reservoir Storage		0	0	0	0	2	0	0	0	0	0	0	0	2
Reservoir Evaporation Loss		0	0	0	0	0	0	0	0	0	0	0	0	0
From Reservoir Storage		0	0	0	0	0	0	0	0	0	0	0	0	0
End of Month Reservoir Storage		**10**	**10**	**10**	**10**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	**12**	

State Exchange Diverted		0	0	0	0	0	0	0	0	0	0	0	0	0
State Exchange Delivered (Irrigation)		0	0	0	0	0	0	0	0	0	0	0	0	0
State Exchange Delivered (Loss/Spreading)		0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Water Diverted		0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Water Delivered (Irrigation)		0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Water Delivered (Loss/Spreading)		0	0	0	0	0	0	0	0	0	0	0	0	0
Mandatory Release 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: 2014

		Kern Island	Eastside	East of Kern Island	Buena Vista	Stine	Farmers	Pioneer Project	For ID4	Via A-EWSD	Carrier Loss	Reservoir Loss	Total	Storage Balance
														866
	November	121	0	0	0	0	0	0	0	0	0	0	121	745
	December	0	0	0	0	0	0	0	0	0	0	0	0	745
2013	January	0	0	0	0	0	0	0	0	0	0	0	0	745
Carry	February	0	0	0	0	0	0	0	0	0	0	0	0	745
Over	March	0	50	0	0	0	0	0	0	0	0	14	64	681
	April	413	0	0	0	0	0	0	0	0	0	20	433	248
	May	0	0	0	0	0	0	0	0	0	0	14	14	234
	June	0	0	0	0	0	0	0	0	0	0	14	14	220
	July	0	212	0	0	0	0	0	0	0	0	8	220	0
	Total	**534**	**262**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**70**	**866**	
														929
	March	0	0	0	0	0	0	0	0	0	0	0	0	929
	April	0	0	0	0	0	0	0	0	0	0	0	0	929
	May	0	0	0	0	0	0	0	0	0	0	0	0	929
	June	0	0	0	0	0	0	0	0	0	0	0	0	929
2014	July	244	251	0	0	0	0	0	0	0	0	0	495	434
Contract	August	200	0	0	0	0	0	0	0	0	0	0	200	234
	September	44	0	0	0	0	0	0	0	0	0	0	44	190
	October	0	0	0	0	0	0	0	0	0	0	0	0	190
	Total	**488**	**251**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**739**	
														190
2014	November	0	0	0	0	0	0	0	0	0	0	0	0	190
Carry	December	0	0	0	0	0	0	0	0	0	0	0	0	190
Over	**Total**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

DISCHARGE IN CUBIC FEET PER SECOND

Kern Delta Water District Diverted to Improvement District No. 4

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	62	48	71	70	0	0	0	0	0	0
2	0	0	44	45	75	70	0	0	0	0	0	0
3	0	0	43	43	72	0	0	0	0	0	0	0
4	0	0	45	45	70	0	0	0	0	0	0	0
5	0	38	52	43	67	0	0	0	0	0	0	0
6	0	36	48	40	69	0	0	0	0	0	0	0
7	0	40	44	43	74	0	0	0	0	0	0	0
8	0	48	46	51	65	0	0	0	0	0	0	0
9	0	45	49	45	63	0	0	0	0	0	0	0
10	0	47	49	51	69	0	0	0	0	0	0	0
11	0	48	66	44	67	0	0	0	0	0	0	0
12	0	68	53	43	72	0	0	0	0	0	0	0
13	0	87	54	52	67	0	0	0	0	0	0	0
14	0	111	65	49	72	0	0	0	0	0	0	0
15	0	114	73	51	70	0	0	0	0	0	0	0
16	0	112	51	50	70	0	0	0	0	0	0	0
17	0	109	53	49	70	0	0	0	0	0	0	0
18	0	74	65	54	70	0	0	0	0	0	0	0
19	0	73	61	52	69	0	0	0	0	0	0	0
20	0	74	56	58	67	0	0	0	0	0	0	0
21	0	79	58	60	64	0	0	0	0	0	0	0
22	0	75	57	59	70	0	0	0	0	0	0	0
23	0	74	74	64	70	0	0	0	0	0	0	0
24	0	73	74	51	70	0	0	0	0	0	0	0
25	0	75	70	50	70	0	0	0	0	0	0	0
26	0	75	65	50	70	0	0	0	0	0	0	0
27	0	67	60	50	70	0	0	0	0	0	0	0
28	0	65	57	50	70	0	0	0	0	0	0	0
29	0	-	47	55	70	0	0	0	0	0	0	0
30	0	-	57	63	70	0	0	0	0	0	0	0
31	0	-	57	-	70	-	0	0	-	0	-	0
TOTAL	0	1,707	1,755	1,508	2,153	140	0	0	0	0	0	0
MAXIMUM DAY	0	114	74	64	75	70	0	0	0	0	0	0
MINIMUM DAY	0	0	43	40	63	0	0	0	0	0	0	0
MEAN	0	61	57	50	69	5	0	0	0	0	0	0
TOTAL AC. FT.	0	3,386	3,481	2,992	4,270	278	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 7,263 MAX., 114 MIN., 0 MEAN, 20 TOTAL AC.FT., 14,407

Kern Delta Water District Diverted to Improvement District No. 4

DISCHARGE IN CUBIC FEET PER SECOND

(Kern Island Canal Instantaneous Exchange)

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	62	48	71	70	0	0	0	0	0	0
2	0	0	44	45	75	70	0	0	0	0	0	0
3	0	0	43	43	72	0	0	0	0	0	0	0
4	0	0	45	45	70	0	0	0	0	0	0	0
5	0	38	52	43	67	0	0	0	0	0	0	0
6	0	36	48	40	69	0	0	0	0	0	0	0
7	0	40	44	43	74	0	0	0	0	0	0	0
8	0	48	46	51	65	0	0	0	0	0	0	0
9	0	45	49	45	63	0	0	0	0	0	0	0
10	0	47	49	51	69	0	0	0	0	0	0	0
11	0	48	66	44	67	0	0	0	0	0	0	0
12	0	68	53	43	72	0	0	0	0	0	0	0
13	0	87	54	52	67	0	0	0	0	0	0	0
14	0	111	65	49	72	0	0	0	0	0	0	0
15	0	114	73	51	70	0	0	0	0	0	0	0
16	0	112	51	50	70	0	0	0	0	0	0	0
17	0	109	53	49	70	0	0	0	0	0	0	0
18	0	74	65	54	70	0	0	0	0	0	0	0
19	0	73	61	52	69	0	0	0	0	0	0	0
20	0	74	56	58	67	0	0	0	0	0	0	0
21	0	79	58	60	64	0	0	0	0	0	0	0
22	0	75	57	59	70	0	0	0	0	0	0	0
23	0	74	74	64	70	0	0	0	0	0	0	0
24	0	73	74	51	70	0	0	0	0	0	0	0
25	0	75	70	50	70	0	0	0	0	0	0	0
26	0	75	65	50	70	0	0	0	0	0	0	0
27	0	67	60	50	70	0	0	0	0	0	0	0
28	0	65	57	50	70	0	0	0	0	0	0	0
29	0	-	47	55	70	0	0	0	0	0	0	0
30	0	-	57	63	70	0	0	0	0	0	0	0
31	0	-	57	-	70	-	0	0	-	0	-	0
TOTAL	0	1,707	1,755	1,508	2,153	140	0	0	0	0	0	0
MAXIMUM DAY	0	114	74	64	75	70	0	0	0	0	0	0
MINIMUM DAY	0	0	43	40	63	0	0	0	0	0	0	0
MEAN	0	61	57	50	69	5	0	0	0	0	0	0
TOTAL AC. FT.	0	3,386	3,481	2,992	4,270	278	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 7,263 MAX., 114 MIN., 0 MEAN, 20 TOTAL AC.FT., 14,407

CITY OF BAKERSFIELD

KERN RIVER CHANNEL OPERATIONS

CITY OF BAKERSFIELD

Year: 2014

Quantities in acre-feet

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+	**Kern River at First Point of Measurement**	**9,993**	**8,715**	**15,053**	**18,746**	**22,939**	**24,409**	**17,693**	**14,461**	**6,006**	**8,624**	**7,012**	**10,454**	**164,105**
-	Computed Loss	676	611	676	655	676	655	676	676	655	676	655	676	7,963
-	Beardsley Canal at Head	202	698	1,371	4,058	3,519	4,260	6,149	1,686	1,559	659	569	7,124	31,854
-	Carrier Canal at Head	9,039	7,406	13,006	14,033	18,744	19,494	10,868	12,099	3,792	7,289	5,788	2,654	124,212
=	**Rocky Point Weir**	**76**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**76**
+	Carrier Waste Gate	0	0	0	0	0	0	0	0	0	0	0	0	0
+	Farmers-Stine-Anderson: to River	0	3,386	3,715	3,334	5,038	458	0	0	0	0	0	0	15,931
-	Farmers-Stine-Anderson: from River	0	0	0	0	0	0	0	0	0	0	0	0	0
-	Calloway Canal at Head	0	771	1,942	1,980	3,336	327	0	0	0	0	0	0	8,356
-	River Loss: Rocky Point to Calloway Weir	76	2,615	1,773	1,354	1,702	131	0	0	0	0	0	0	7,651
=	**Calloway River Weir**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
+	CVC T.O. #4 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+	Truxtun Lake to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+	CVC T.O. #3 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+	Friant-Kern Inflow	0	0	0	0	0	0	0	0	0	0	0	0	0
-	River Canal from River	0	0	0	0	0	0	0	0	0	0	0	0	0
-	River Loss: Cally. Weir to River Canal Weir	0	0	0	0	0	0	0	0	0	0	0	0	0
=	**River Canal Weir**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
+	Pioneer Turnout	0	0	0	0	60	111	75	65	0	250	32	156	749
-	The Park at River Walk	0	0	0	0	60	83	75	65	0	52	32	111	478
+	CVC T.O. #2 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
-	Rosedale Channel at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
-	Aera Park Turnout	0	0	0	0	0	0	0	0	0	0	0	0	0
-	Pioneer Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
-	Berrenda Mesa Pipeline Turnout	0	0	0	0	0	0	0	0	0	0	0	0	0
-	River Loss: River Canal to Bellevue Weir	0	0	0	0	0	28	0	0	0	198	0	45	271
=	**Flow at Bellevue Weir**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
-	River Loss: Bellevue Weir to ID#4 Boundary	0	0	0	0	0	0	0	0	0	0	0	0	0
-	River Loss: ID#4 Boundary to 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
+	CVC T.O. #1 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+	River Canal Turnout to 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
-	Pioneer Central from 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
-	Pioneer North from 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
-	Kern Water Bank from 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
-	Kern Water Bank Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
-	River Loss: 2800 Acres to Second Point	0	0	0	0	0	0	0	0	0	0	0	0	0
-	2800 Acre Recharge Facility	0	0	0	0	0	0	0	0	0	0	0	0	0
=	**Second Point via Kern River Channel**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

CARRIER CANAL OPERATIONS
CITY OF BAKERSFIELD

Year: 2014

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ **Carrier Canal at Head**	**9,039**	**7,406**	**13,006**	**14,033**	**18,744**	**19,494**	**10,868**	**12,099**	**3,792**	**7,289**	**5,788**	**2,654**	**124,212**
- 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	571	0	0	0	0	0	0	0	0	0	0	0	571
= **Carrier Reclamation Weir**	**8,468**	**7,406**	**13,006**	**14,033**	**18,744**	**19,494**	**10,868**	**12,099**	**3,792**	**7,289**	**5,788**	**2,654**	**123,641**
+ Storm Drain Inflow	0	0	0	0	0	0	0	0	0	0	0	99	99
- Eastside Canal at Head	0	0	1,829	2,749	3,632	3,644	2,061	526	0	0	0	0	14,441
- Kern Island Canal at Head	8,459	3,985	7,444	7,872	8,789	10,810	8,134	11,000	3,624	3,985	5,387	1,924	81,413
= **Levee No. 1**	**9**	**3,421**	**3,733**	**3,412**	**6,323**	**5,040**	**673**	**573**	**168**	**3,304**	**401**	**829**	**27,886**
- Farmers-Stine-Anderson: to River	0	3,386	3,715	3,334	5,038	458	0	0	0	0	0	0	15,931
+ Farmers-Stine-Anderson: from River	0	0	0	0	0	0	0	0	0	0	0	0	0
= **Carrier Canal at Oak Street**	**9**	**35**	**18**	**78**	**1,285**	**4,582**	**673**	**573**	**168**	**3,304**	**401**	**829**	**11,955**
- Stine Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
- Carrier to Truxtun Lakes	0	0	0	0	565	345	343	194	71	311	93	266	2,188
+ Truxtun Lakes to Carrier	0	0	0	0	177	232	224	81	6	159	20	103	1,002
- Arvin-Edison Turnout	0	0	0	0	0	0	0	0	0	0	0	0	0
- Total Carrier Canal Loss	9	35	18	78	688	938	479	395	103	865	296	510	4,414
+ River Canal from River	0	0	0	0	0	0	0	0	0	0	0	0	0
= **River Canal at Stockdale Highway**	**0**	**0**	**0**	**0**	**209**	**3,531**	**75**	**65**	**0**	**2,287**	**32**	**156**	**6,355**
- Buena Vista Canal at Head	0	0	0	0	149	3,420	0	0	0	0	0	0	3,569
- Pioneer Turnout	0	0	0	0	60	111	75	65	0	250	32	156	749
- James Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Pioneer Well Water Production	0	0	0	379	634	606	625	608	587	591	569	132	4,731
= **River Canal at Alternate Second Point**	**0**	**0**	**0**	**379**	**634**	**606**	**625**	**608**	**587**	**2,628**	**569**	**132**	**6,768**
+ City-Olcese Well Water Production	510	1,221	1,275	1,146	1,101	961	916	891	857	0	0	0	8,878
+ Berrenda Mesa Well Water Production	279	696	645	436	655	795	767	701	656	651	525	122	6,928
+ ID4 Well Water Production	437	762	800	744	740	701	711	690	659	684	654	157	7,739
+ Pioneer Well Water Production	869	2,965	3,134	1,743	2,304	2,311	2,158	2,040	1,931	1,670	1,364	338	22,827
+ KWB Well Water Production	856	1,555	1,555	1,485	1,479	1,346	1,352	1,400	1,204	1,293	1,264	306	15,095
+ 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
- County of Kern	0	0	0	0	0	0	0	0	0	0	0	0	0
= **Second Point Group Flow via River Canal**	**2,951**	**7,199**	**7,409**	**5,933**	**6,913**	**6,720**	**6,529**	**6,330**	**5,894**	**6,926**	**4,376**	**1,055**	**68,235**

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

Quantities in acre-feet

Year: 2014

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	+	0	38	241	6,041	13,551	3,296	0	303	0	0	0	22	23,492
Release	+	80	81	634	1,125	851	0	0	0	0	48	1,171	1,071	5,061
ENTITLEMENT + OR - RELEASES	=	**80**	**119**	**875**	**7,166**	**14,402**	**3,296**	**0**	**303**	**0**	**48**	**1,171**	**1,093**	**28,553**
NKWSD to City	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From Reservoir Storage	+	1,076	650	783	0	0	1,135	3,298	2,162	2,378	4,868	51	133	16,534
Into Reservoir Storage	-	6	2	232	9,632	11,722	2,155	0	121	0	0	208	121	24,199
Other	+ or -	42	61	196	4,001	0	0	0	0	0	0	549	528	5,377
TOTAL SUPPLY	=	**1,192**	**828**	**1,622**	**1,535**	**2,680**	**2,276**	**3,298**	**2,344**	**2,378**	**4,916**	**1,563**	**1,633**	**26,265**
County of Kern (Above First Point)		32	32	71	90	120	156	187	178	137	96	68	45	1,212
Kern Valley Golf Course		0	0	0	0	0	0	0	0	0	0	0	0	0
California Water Service Company		879	163	868	809	958	809	909	898	790	794	698	678	9,253
Olcese Water District		14	41	44	67	107	131	109	73	85	63	42	6	782
North Kern WSD		0	0	0	0	0	0	0	0	0	0	0	0	0
North Kern WSD (Surplus Miscellaneous)		0	0	0	0	0	0	0	0	0	0	0	0	0
North Kern WSD (Borrow/Payback)		0	0	0	0	0	0	0	0	0	0	0	0	0
Cawelo WD (Make-up)		0	0	0	0	0	0	0	91	0	0	0	0	91
Cawelo WD (Exchange)		0	0	0	0	0	0	0	0	561	0	0	0	561
Kern-Tulare WD (Make-up)		0	0	0	0	0	0	0	0	0	0	0	0	0
Kern-Tulare WD (Surplus Miscellaneous)		0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale RBWSD (Basic Contract)		0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale RBWSD (Miscellaneous)		0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch ID		0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Canal & Irrigating Company		180	557	621	491	359	410	510	531	637	659	354	172	5,481
Calloway Canal Non ID 4 (NW Feeder)		0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Water Bank Canal		0	0	0	0	0	0	0	0	0	0	0	0	0
Pioneer Inlet & Project		0	0	0	0	0	0	0	0	0	0	0	0	0
Truxtun Lake		0	0	0	0	388	113	119	113	65	152	73	163	1,186
The Park at River Walk		0	0	0	0	60	83	75	65	0	52	32	93	460
Aera Park		0	0	0	0	0	0	0	0	0	0	0	0	0
City to Buena Vista Water Storage District		0	0	0	0	0	0	0	0	0	2,037	0	0	2,037
Glen Grundeis		2	0	0	0	0	0	0	0	0	0	0	2	4
Michael Harvick		0	0	0	0	0	0	0	0	0	0	0	0	0
Joy Cordova		0	0	0	0	0	0	0	0	0	0	0	0	0
City to Arvin-Edison via Kern Delta		0	0	0	0	0	0	910	0	0	0	0	0	910
2800 Acre Banking		0	0	0	0	0	0	0	0	0	0	0	0	0
River and Carrier Canal Loss		85	35	18	78	688	574	479	395	103	1,063	296	474	4,288
TOTAL DIVERTED	=	**1,192**	**828**	**1,622**	**1,535**	**2,680**	**2,276**	**3,298**	**2,344**	**2,378**	**4,916**	**1,563**	**1,633**	**26,265**
Into Reservoir Storage		6	2	232	9,632	11,722	2,155	0	121	0	0	208	121	24,199
Reservoir Evaporation Loss		192	142	203	387	891	1,419	1,508	1,412	1,066	753	357	192	8,522
From Reservoir Storage		1,076	650	783	0	0	1,135	3,298	2,162	2,378	4,868	51	133	16,534
End of Month Reservoir Storage		**7,689**	**6,899**	**6,145**	**15,390**	**26,221**	**25,822**	**21,016**	**17,563**	**14,119**	**8,498**	**8,298**	**8,094**	

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
2012	0	700,000	0	700,000	0
2013	0	700,000	0	700,000	0
2014	0	700,000	0	700,000	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)

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)

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)

CITY OF BAKERSFIELD

Deliveries to Long Term Contractors

Basic Contract - Make Up Quantities

Quantities in acre-feet

Year: 2014

	NORTH KERN WSD		CAWELO WD		KERN-TULARE WD		MONTH TOTALS	
	Basic	Accum.	Basic	Accum.	Basic	Accum.	Basic	Accum.
January	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0
August	0	0	91	91	0	0	91	91
September	0	0	0	91	0	0	0	91
October	0	0	0	91	0	0	0	91
November	0	0	0	91	0	0	0	91
December	0	0	0	91	0	0	0	91
Year Total	**0**		**91**		**0**		**91**	

CAWELO WATER DISTRICT OPERATIONS

Quantities in acre-feet

Year: 2014

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+	**Cawelo WD via Pump Station "B"**	**0**	**0**	**0**	**498**	**1,735**	**1,115**	**2,668**	**1,361**	**914**	**910**	**952**	**0**	**10,153**
	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	6	56	61	8	0	0	0	131
	Lerdo Delivery Gate No. 8-0-25 +	0	4	0	48	89	106	69	36	36	66	10	0	464
	Lerdo Delivery Gate No. 8-0-100 +	0	6	0	10	6	8	2	6	0	6	0	0	44
	Lerdo Delivery Gate No. 8-23-00 "D" +	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	45	0	99	83	0	0	0	0	0	0	0	227
	Lerdo Delivery Gate No. 8-0-291 +	0	34	0	188	143	58	0	0	12	0	0	0	435
	Lerdo Delivery Gate No. 8-0-292 +	0	0	0	16	18	20	6	18	2	0	0	0	80
+	**Total Lerdo Turnout Deliveries =**	**0**	**89**	**0**	**361**	**339**	**198**	**133**	**121**	**58**	**72**	**10**	**0**	**1,381**
+	**Cawelo WD via Pump Station "D"**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**460**	**0**	**0**	**0**	**0**	**460**
	Beardsley Canal Loss +	0	0	0	20	56	54	61	61	59	61	10	0	382
	Lerdo Loss +	0	0	0	6	22	14	24	14	10	0	0	0	90
+	Total Loss =	0	0	0	26	78	68	85	75	69	61	10	0	472
+	Via North Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
=	**Total Diverted for Cawelo WD**	**0**	**89**	**0**	**885**	**2,152**	**1,381**	**2,886**	**2,017**	**1,041**	**1,043**	**972**	**0**	**12,466**
	Cawelo Water District Source of Supply:													
+	City of Bakersfield Make-Up Water	0	0	0	0	0	0	0	91	0	0	0	0	91
+	City of Bakersfield Exchange	0	0	0	0	0	0	0	0	561	0	0	0	561
+	Oildale Mutual WD Well Inflow	0	0	0	0	91	119	119	123	119	123	20	0	714
+	Nickel LLC Water Well Sale	0	0	0	0	0	135	36	0	0	0	0	0	171
+	Sunview Vineyards Well	0	0	0	28	63	38	0	0	0	10	0	0	139
+	Paramount Farming Well	0	0	0	163	89	0	0	0	0	0	0	0	252
-	Pump Station "D" Wells	0	0	0	0	0	0	0	460	0	0	0	0	460
+	Buena Vista WSD State Exchange	0	0	0	694	1,909	1,089	2,731	998	361	0	0	0	7,782
+	North Kern WSD Well Exchange	0	89	0	0	0	0	0	0	0	910	952	0	1,951
+	Improvement District #4 Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
+	via CVC Conduit "A"	0	0	0	0	0	0	0	345	0	0	0	0	345
=	**Total Cawelo Water District Supply**	**0**	**89**	**0**	**885**	**2,152**	**1,381**	**2,886**	**2,017**	**1,041**	**1,043**	**972**	**0**	**12,466**

DISCHARGE IN CUBIC FEET PER SECOND

Cawelo Water District Total Diverted via Beardsley-Lerdo Canal System

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	6	35	0	41	38	22	2	21	0
2	0	0	0	4	37	0	50	38	19	13	18	0
3	0	0	0	3	37	0	41	43	21	14	19	0
4	0	0	0	4	37	3	43	44	90	13	18	0
5	0	3	0	5	37	25	42	26	89	14	19	0
6	0	3	0	4	37	38	42	26	78	13	17	0
7	0	0	0	4	35	40	38	75	17	14	16	0
8	0	0	0	3	37	35	47	74	16	13	17	0
9	0	0	0	3	37	34	84	32	16	16	16	0
10	0	0	0	6	37	40	89	31	2	18	16	0
11	0	3	0	4	35	37	82	30	2	19	16	0
12	0	3	0	3	35	43	83	31	16	19	17	0
13	0	2	0	4	35	41	83	51	17	17	16	0
14	0	0	0	5	38	23	41	68	16	17	16	0
15	0	5	0	4	38	22	45	70	16	19	17	0
16	0	3	0	4	40	27	41	68	17	18	20	0
17	0	2	0	3	40	19	40	68	16	19	16	0
18	0	0	0	5	58	24	41	68	16	20	18	0
19	0	3	0	4	40	19	40	27	16	18	16	0
20	0	3	0	3	38	22	39	26	2	17	16	0
21	0	3	0	39	38	19	39	24	3	18	13	0
22	0	3	0	38	40	21	41	10	2	19	24	0
23	0	0	0	38	40	20	39	3	2	20	18	0
24	0	0	0	38	37	20	41	2	2	19	17	0
25	0	3	0	37	56	21	39	2	2	20	9	0
26	0	3	0	35	38	20	39	2	2	21	9	0
27	0	3	0	35	38	20	40	2	2	19	14	0
28	0	0	0	35	21	21	19	2	2	19	16	0
29	0	-	0	35	1	21	20	2	2	19	12	0
30	0	-	0	35	1	21	48	17	2	20	13	0
31	0	-	0	-	12	-	38	17	-	19	-	0
TOTAL	0	45	0	446	1,085	696	1,455	1,017	525	526	490	0
MAXIMUM DAY	0	5	0	39	58	43	89	75	90	21	24	0
MINIMUM DAY	0	0	0	3	1	0	19	2	2	2	9	0
MEAN	0	2	0	15	35	23	47	33	18	17	16	0
TOTAL AC. FT.	0	89	0	885	2,152	1,381	2,886	2,017	1,041	1,043	972	0

WHOLE YEAR:- TOTAL, 6,285 MAX., 90 MIN., 0 MEAN, 17 TOTAL AC.FT., 12,466

DISCHARGE IN CUBIC FEET PER SECOND

City of Bakersfield Diverted to Cawelo Water District
(Make-up Water)

Year: 2014

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	23	0	0	0	0
8	0	0	0	0	0	0	0	23	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	46	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	23	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	1	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	91	0	0	0	0

WHOLE YEAR:- TOTAL, 46 MAX., 23 MIN., 0 MEAN, 0 TOTAL AC.FT., 91

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	35	0	36	36	20	0	0	0
2	0	0	0	0	35	0	45	36	17	0	0	0
3	0	0	0	0	35	0	36	41	19	0	0	0
4	0	0	0	0	35	0	38	36	88	0	0	0
5	0	0	0	0	35	11	37	16	38	0	0	0
6	0	0	0	0	35	31	37	15	0	0	0	0
7	0	0	0	0	35	34	36	36	0	0	0	0
8	0	0	0	0	35	28	45	36	0	0	0	0
9	0	0	0	0	35	28	82	16	0	0	0	0
10	0	0	0	0	35	33	87	15	0	0	0	0
11	0	0	0	0	35	31	80	15	0	0	0	0
12	0	0	0	0	35	36	81	15	0	0	0	0
13	0	0	0	0	35	36	81	19	0	0	0	0
14	0	0	0	0	35	18	39	24	0	0	0	0
15	0	0	0	0	35	18	43	25	0	0	0	0
16	0	0	0	0	35	20	39	24	0	0	0	0
17	0	0	0	0	35	15	38	24	0	0	0	0
18	0	0	0	0	35	19	39	23	0	0	0	0
19	0	0	0	0	35	15	38	0	0	0	0	0
20	0	0	0	0	35	17	37	10	0	0	0	0
21	0	0	0	35	35	15	37	9	0	0	0	0
22	0	0	0	35	35	16	39	1	0	0	0	0
23	0	0	0	35	35	16	37	1	0	0	0	0
24	0	0	0	35	35	15	39	0	0	0	0	0
25	0	0	0	35	35	16	37	0	0	0	0	0
26	0	0	0	35	35	15	37	0	0	0	0	0
27	0	0	0	35	35	16	38	0	0	0	0	0
28	0	0	0	35	17	16	17	0	0	0	0	0
29	0	-	0	35	0	17	18	0	0	0	0	0
30	0	-	0	35	0	17	46	15	0	0	0	0
31	0	-	0	-	0	-	38	15	-	0	-	
TOTAL	0	0	0	350	962	549	1,377	503	182	0	0	0
MAXIMUM DAY	0	0	0	35	35	36	87	41	88	0	0	0
MINIMUM DAY	0	0	0	0	0	0	17	0	0	0	0	0
MEAN	0	0	0	12	31	18	44	16	6	0	0	0
TOTAL AC. FT.	0	0	0	694	1,909	1,089	2,731	998	361	0	0	0

WHOLE YEAR:- TOTAL, 3,923 MAX., 88 MIN., 0 MEAN, 11 TOTAL AC.FT., 7,782

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

Year: 2014

Quantities in acre-feet

		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+	Make-Up Water Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
+	Miscellaneous Quantity Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
=	**Total Diverted**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	via Calloway Canal	+	0	0	0	0	0	0	0	0	0	0	0	0	0
	River Transportation Loss/Spreading	+	0	0	0	0	0	0	0	0	0	0	0	0	0
	Carrier Canal Recharge	+	0	0	0	0	0	0	0	0	0	0	0	0	0
	via Truxtun Lake	+	0	0	0	0	0	0	0	0	0	0	0	0	0
	via Park at River Walk	+	0	0	0	0	0	0	0	0	0	0	0	0	0
	via North Kern Water Storage District	+	0	0	0	0	0	0	0	0	0	0	0	0	0
	Isabella Reservoir Evaporation Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
-	**Total Diverted to I.D. No. 4**	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
	via Arvin-Edison Turnout	+	0	0	0	0	0	0	0	0	0	0	0	0	0
	Canal Transportation Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
-	**Total Diverted to Arvin-Edison T.O.**	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
=	**Via North Kern Water Storage District**		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

IMPROVEMENT DISTRICT NO. 4
KERN RIVER SUPPLY AND DIVERSION RECAP

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

YEAR: 2014

Quantities in acre-feet

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
	Treatment Plant via Calloway Canal	+	0	695	1789	1793	3108	297	0	0	0	0	0	0	7682
	Calloway Canal Operational Losses	+	0	60	153	149	155	16	0	0	0	0	0	0	533
	Calloway Canal Below "99"	+	0	16	0	38	73	14	0	0	0	0	0	0	141
	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	=	0	771	1942	1980	3336	327	0	0	0	0	0	0	8356
	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	+	0	2615	1773	1354	1702	131	0	0	0	0	0	0	7575
	River Spreading Below Calloway Weir	+	0	0	0	0	0	0	0	0	0	0	0	0	0
+	Sub-total River Loss/Spreading	=	0	2615	1773	1354	1702	131	0	0	0	0	0	0	7575
+	The Park at River Walk			0	0	0	0	0	0	0	0	0	0	0	0
=	**Improvement District #4 Total Diverted**		**0**	**3386**	**3715**	**3334**	**5038**	**458**	**0**	**0**	**0**	**0**	**0**	**0**	**15931**
+	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 / ID 4 Exchange 2013	+	0	0	0	0	0	0	0	0	0	0	0	0	0
	City (Non-Improvement District #4 Water)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
+	Sub-total City of Bakersfield	=	0	0	0	0	0	0	0	0	0	0	0	0	0
+	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	532	166	0	0	0	0	0	0	698
+	Nickel Well Water Purchase		0	0	234	342	236	14	0	0	0	0	0	0	826
+	Buena Vista WSD to Kern Delta via ID #4		0	0	0	0	0	0	0	0	0	0	0	0	0
+	Kern Delta WD/MET Well Exchange		0	3386	3481	2992	4270	278	0	0	0	0	0	0	14407
+	Kern Delta WD Instantaneous Exchange		0	0	0	0	0	0	0	0	0	0	0	0	0
=	**Improvement District #4 Total Supply**		**0**	**3386**	**3715**	**3334**	**5038**	**458**	**0**	**0**	**0**	**0**	**0**	**0**	**15931**

ROSEDALE RBWSD DIVERSION RECAPITULATION

Quantities in acre-feet

YEAR: 2014

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Rosedale Channel at Headgate	+	0	0	0	0	0	0	0	0	0	0	0	0	0
City for Others	-	0	0	0	0	0	0	0	0	0	0	0	0	0
for Rosedale RBWSD	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
- City Contract Water		0	0	0	0	0	0	0	0	0	0	0	0	0
= Other 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 Aera Park Turnout	+	0	0	0	0	0	0	0	0	0	0	0	0	0
The Park at River Walk	+	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**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

City of Bakersfield Basic Contract	+	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Bakersfield Miscellaneous	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Hacienda WD Exchange	+	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
Arvin-Edison WD Exchange	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Rio Bravo WSD 215	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern-Tulare WD Exchange	+	0	0	0	0	0	0	0	0	0	0	0	0	0
D.E.I.D. Exchange	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Supply	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

ROSEDALE RIO BRAVO WATER STORAGE DISTRICT

Hydrographic and Accounting Report by City of Bakersfield

Year: 2014

Quantities in acre-feet

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

6.440 = Current Escalator = 6.440

$6.44 = Totals = $6.44

(per 1961 Agreement)

0	0	2013
7,328	0	2012
25,185	0	2011
14,848	0	2010

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).
(h) Delivered during periods of Kern River Mandatory Release when designated by U.S. Army Corps of Engineers.

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)

(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)

Notes:

(1) Includes water delivered pursuant to Article II, Section 2.1 (i) (7) of Agreement No. 76-80, "Failure to Accept Water".
Column (B) 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: 2014

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Release	+ or -	0	0	0	0	0	0	0	0	0	0	0	0	0
ENTITLEMENT + OR - RELEASE	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
From City of Bakersfield	+	180	557	621	491	359	410	510	531	637	659	354	172	5,481
From NKWSD	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Into Isabella Storage	-	0	0	0	0	0	0	0	0	0	0	0	0	0
From Isabella Storage	+	0	0	0	0	0	0	0	0	0	0	0	0	0
To City of Bakersfield	-	0	0	0	0	0	0	0	0	0	0	0	0	0
To NKWSD in Isabella Storage	-	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED AT HEAD	=	**180**	**557**	**621**	**491**	**359**	**410**	**510**	**531**	**637**	**659**	**354**	**172**	**5,481**
Irrigation Deliveries	-	71	260	291	155	0	54	140	180	320	318	55	0	1,844
North Garden Treatment Plant	-	83	221	261	277	298	291	298	284	242	250	233	136	2,874
NKWSD at Seventh Standard Line	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Spreading Deliveries	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Canal Loss	=	24	56	61	60	61	60	61	61	60	61	60	60	685
Irrigation Delivery Percentage		86%	86%	89%	88%	83%	84%	86%	87%	88%	86%	81%	79%	86%

Into Isabella Storage		0	0	0	0	0	0	0	0	0	0	0	0	0
Isabella Evaporation Loss		0	0	0	0	0	0	0	0	0	0	0	0	0
From Isabella Storage		0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage		0	0	0	0	0	0	0	0	0	0	0	0	0
End of Month Isabella Storage		**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

SOUTH FORK DIVERSION RIGHT SUMMARY

Quantities in acre-feet

Year: 2014

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	+	0	0	0	0	6	0	0	0	0	0	0	6	12
Release	+ or -	42	61	196	0	0	0	0	0	0	8	543	516	1,366
Entitlement + or - Releases	=	**42**	**61**	**196**	**0**	**6**	**0**	**0**	**0**	**0**	**8**	**543**	**522**	**1,378**
Into Isabella Storage	-	0	0	0	0	6	0	0	0	0	0	0	0	6
From Isabella Storage	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	+ or -	(42)	(61)	(196)	0	0	0	0	0	0	(8)	(543)	(522)	(1,372)
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	0	0	0	6	0	0	0	0	0	0	0	6
From Isabella Storage		0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage		0	0	0	0	0	0	0	0	0	0	6	0	6
End of Month Isabella Storage		**600**	**600**	**600**	**600**	**606**	**606**	**606**	**606**	**606**	**606**	**600**	**600**	

DISCHARGE IN CUBIC FEET PER SECOND

City of Bakersfield Diverted to California Water Service Company
Bakersfield Water Treatment Plant

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14	13	14	14	15	18	13	14	13	13	12	11
2	14	13	14	14	15	18	13	14	13	12	12	11
3	14	0	14	14	15	12	13	14	13	13	12	11
4	14	0	14	14	15	13	13	15	13	12	11	11
5	14	0	14	13	15	14	13	15	13	12	11	11
6	14	0	14	13	14	13	13	15	13	12	12	11
7	14	0	13	13	14	13	14	14	13	13	12	11
8	14	0	14	13	14	13	14	14	13	12	13	11
9	14	0	13	13	14	12	14	14	13	13	13	11
10	14	0	14	13	14	13	14	14	13	12	13	11
11	13	0	14	13	14	13	14	14	13	12	13	11
12	13	0	14	13	14	13	14	14	13	12	13	11
13	14	0	14	13	14	12	15	14	13	13	11	11
14	14	0	14	13	14	13	15	14	13	13	11	11
15	14	0	14	13	15	13	15	14	13	13	11	11
16	14	0	14	13	18	12	15	14	13	13	11	11
17	13	0	14	13	18	12	15	14	13	13	11	11
18	14	0	14	13	18	12	15	14	13	13	11	11
19	14	0	14	13	15	13	15	14	13	13	11	11
20	14	0	14	13	15	12	15	14	13	13	11	11
21	14	0	13	14	15	13	14	14	13	13	11	11
22	14	0	13	14	15	12	14	14	13	13	11	9
23	14	0	13	14	14	13	15	14	13	13	11	11
24	14	0	14	13	14	12	15	14	12	13	11	11
25	14	4	14	13	15	13	14	14	12	12	11	10
26	14	14	14	13	15	13	14	13	12	12	11	11
27	14	13	14	13	14	13	14	14	12	12	11	11
28	14	13	14	13	15	13	14	14	12	12	11	11
29	16	-	13	13	17	13	14	14	12	12	11	9
30	14	-	14	13	18	13	15	14	12	13	11	11
31	14	-	13	-	18	-	14	14	-	12	-	12
TOTAL	433	70	427	397	470	392	439	436	383	389	345	337
MAXIMUM DAY	16	14	14	14	18	18	15	15	13	13	13	12
MINIMUM DAY	13	0	13	13	14	12	13	13	12	12	11	9
MEAN	14	3	14	13	15	13	14	14	13	13	12	11
TOTAL AC. FT.	858	139	846	787	932	777	871	864	760	772	684	668

WHOLE YEAR:- TOTAL, 4,518 MAX., 18 MIN., 0 MEAN, 12 TOTAL AC.FT., 8,958

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1	1	0	1	0	1	1	0	1	0	1	0
2	0	0	0	0	1	0	0	1	0	0	0	0
3	1	0	1	0	0	1	1	0	1	1	0	0
4	0	1	0	1	0	0	0	1	0	0	1	0
5	0	0	0	0	0	1	1	1	1	0	0	0
6	1	0	1	0	1	0	0	0	0	1	0	1
7	0	1	0	1	0	1	1	1	1	0	0	0
8	0	0	0	0	1	0	0	0	0	1	0	0
9	1	0	1	0	0	1	1	1	1	0	1	0
10	0	1	0	1	1	0	1	0	0	1	0	0
11	0	0	0	0	0	1	1	1	1	0	0	0
12	1	0	1	0	1	0	0	1	0	0	0	1
13	0	1	0	1	0	1	1	0	1	1	0	0
14	0	0	0	0	1	0	0	1	0	0	1	0
15	1	1	1	1	0	1	1	0	1	0	0	0
16	0	1	0	1	1	1	1	1	0	1	0	0
17	0	1	0	0	0	1	1	0	1	0	0	0
18	1	0	1	0	1	0	0	0	0	0	0	1
19	0	1	0	1	0	1	1	1	1	1	1	0
20	0	0	0	0	1	0	1	0	0	0	0	0
21	1	0	1	0	0	1	1	1	1	0	0	0
22	0	1	0	1	1	0	0	1	0	1	0	0
23	0	0	0	0	0	1	1	0	1	0	0	0
24	1	0	1	0	1	0	0	1	0	1	1	1
25	0	1	0	1	0	1	1	0	1	0	0	0
26	0	0	0	0	1	0	0	1	0	1	0	0
27	1	0	1	0	0	1	1	1	1	0	0	0
28	0	1	0	1	0	0	0	0	0	0	1	0
29	0	-	0	0	0	1	1	1	1	1	0	0
30	1	-	1	0	1	0	0	0	0	0	0	1
31	0	-	1	-	0	-	1	1	-	0	-	0
TOTAL	11	12	11	11	13	16	19	17	15	11	7	5
MAXIMUM DAY	1	1	1	1	1	1	1	1	1	1	1	1
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	1	1	1	1	0	0	0
TOTAL AC. FT.	21	24	22	22	26	32	38	34	30	22	14	10

WHOLE YEAR:- TOTAL, 148 MAX., 1 MIN., 0 MEAN, 0 TOTAL AC.FT., 295

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: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	1	1	1	1	2	3	2	2	2	1	1	0
2	0	1	0	1	2	2	2	1	1	2	1	0
3	0	0	1	1	0	2	0	1	2	1	0	0
4	0	1	0	1	2	2	2	1	1	1	1	0
5	1	1	1	1	2	2	2	1	2	1	1	0
6	0	0	0	1	0	3	0	2	1	1	0	0
7	0	1	1	2	2	2	2	1	1	1	1	0
8	0	1	0	1	2	2	2	1	2	1	1	1
9	0	0	1	1	0	2	0	1	1	1	0	0
10	1	1	1	1	2	2	2	1	2	1	1	2
11	0	1	1	1	2	2	2	2	1	1	1	0
12	0	1	1	1	0	3	1	1	1	1	0	0
13	0	1	1	1	2	2	2	1	2	1	1	0
14	0	1	1	2	2	2	2	1	1	1	1	0
15	1	1	1	1	2	2	2	1	2	1	1	0
16	0	1	1	1	2	2	2	2	1	1	1	0
17	0	1	1	1	2	2	2	1	1	1	1	0
18	0	0	1	1	2	3	2	1	2	1	0	0
19	0	1	1	1	2	2	2	1	1	1	1	0
20	1	1	1	1	2	2	2	1	2	1	1	0
21	0	0	1	2	2	2	2	2	1	1	0	0
22	0	1	0	1	2	2	2	1	1	1	1	0
23	0	1	1	1	2	2	2	1	2	1	1	0
24	0	0	0	1	2	3	2	1	1	1	0	0
25	1	1	1	1	2	2	2	1	2	1	1	0
26	0	1	0	1	2	2	2	2	1	1	1	0
27	0	0	1	1	2	2	2	1	2	1	0	0
28	0	1	0	2	2	2	2	1	1	1	1	0
29	0	-	1	1	2	2	2	1	1	1	1	0
30	1	-	0	1	2	3	2	1	2	1	0	0
31	0	-	1	-	2	-	2	1	-	1	-	0
TOTAL	7	21	22	34	54	66	55	37	43	32	21	3
MAXIMUM DAY	1	1	1	2	2	3	2	2	2	2	1	2
MINIMUM DAY	0	0	0	1	0	2	0	1	1	1	0	0
MEAN	0	1	1	1	2	2	2	1	1	1	1	0
TOTAL AC. FT.	14	41	44	67	107	131	109	73	85	63	42	6

WHOLE YEAR:- TOTAL, 395 MAX., 3 MIN., 0 MEAN, 1 TOTAL AC.FT., 782

DISCHARGE IN CUBIC FEET PER SECOND

Total Diverted via
Cross Valley Canal Conduit "A"

Year: 2014

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	26	0	0	0	0	0	0
6	0	0	0	0	0	42	0	0	0	0	0	0
7	0	0	0	0	0	42	0	0	0	0	0	0
8	0	0	0	0	0	42	0	0	0	0	0	0
9	0	0	0	0	0	42	0	0	0	0	0	0
10	0	0	0	0	0	36	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	17	0	0	0	0
14	0	0	0	0	0	0	0	29	0	0	0	0
15	0	0	0	0	0	0	0	29	0	0	0	0
16	0	0	0	0	0	0	0	29	0	0	0	0
17	0	0	0	0	0	13	0	29	0	0	0	0
18	0	0	0	0	0	22	0	29	0	0	0	0
19	0	0	0	0	0	22	0	12	0	0	0	0
20	0	0	0	0	0	22	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	24	0	0	0	0	0
26	0	0	0	0	0	0	19	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	309	43	174	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	42	24	29	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	10	1	6	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	613	85	345	0	0	0	0

WHOLE YEAR:- TOTAL, 526 MAX., 42 MIN., 0 MEAN, 1 TOTAL AC.FT., 1,043

Cross Valley Canal - Turnout #1 to Kern River Channel

DISCHARGE IN CUBIC FEET PER SECOND

(As reported by Kern County Water Agency)

Year: 2014

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

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

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2014

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

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

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2014

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

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

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2014

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

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

NORTH KERN WATER STORAGE DISTRICT

NORTH KERN WATER STORAGE DISTRICT

Quantities in acre-feet

Year: 2014

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWSD River Entitlement	+	0	252	0	0	388	79	0	8	0	0	0	0	727
Release	+ or -	369	26	1,070	2,687	793	0	0	0	0	0	1,900	7,258	14,103
ENTITLEMENT + OR - RELEASE	=	**369**	**278**	**1,070**	**2,687**	**1,181**	**79**	**0**	**8**	**0**	**0**	**1,900**	**7,258**	**14,830**
From KRC & Irr. Company	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From City of Bakersfield	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From Isabella Reservoir Storage	+	22	97	0	510	817	2,731	6,590	66	0	0	0	533	11,366
From Improvement District No. 4	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From Buena Vista WSD	+	0	0	0	0	0	0	0	0	0	0	0	0	0
From Kern Delta WD	+	0	0	0	0	0	0	0	0	0	0	0	0	0
To City of Bakersfield	-	0	0	0	0	0	0	0	0	0	0	0	0	0
To Improvement District #4	-	0	0	0	0	0	166	0	0	0	0	0	0	166
To Cawelo WD	-	0	0	0	0	0	0	0	0	0	0	0	0	0
To Kern Delta WD	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Into Isabella Reservoir Storage	-	369	234	320	324	215	18	0	8	0	0	1,685	843	4,016
Other	+ or -	0	0	0	0	0	0	0	0	0	0	0	4	4
TOTAL DIVERTED FROM RIVER	=	**22**	**141**	**750**	**2,873**	**1,783**	**2,626**	**6,590**	**66**	**0**	**0**	**215**	**6,952**	**22,018**
Loss to Seventh Standard Line	-	2	6	18	59	42	60	49	2	0	0	0	0	238
NKWSD Deep Well Production	+	4,033	9,404	8,472	12,720	16,459	17,823	17,213	13,020	13,020	13,196	5,072	1,718	132,150
Non-District Deep Well Production	+	0	0	0	1,787	6,015	5,679	6,633	5,207	4,374	1,700	30	0	31,425
Poso Creek Natural Flow	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Inflow to Poso Creek	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Cawelo to NKWSD	+	821	0	1,561	26	0	0	0	0	0	0	0	0	2,408
Semitropic WSD to NKWSD via FK/8-1	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch Improvement District	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Semitropic WSD via Poso Creek	-	0	0	0	0	0	0	0	0	0	0	0	0	0
CVC Conduit "A" Inflow	+	0	0	0	0	0	613	85	0	0	0	0	0	698
TOTAL DISTRICT SUPPLY	=	**4,874**	**9,539**	**10,765**	**17,347**	**24,215**	**26,681**	**30,472**	**18,291**	**17,394**	**14,896**	**5,317**	**8,670**	**188,461**
Class 1 Irrigation Deliveries	+	1,162	3,229	4,354	8,539	12,286	14,628	15,295	9,320	8,045	6,274	1,539	222	84,893
Class 2 Irrigation Deliveries	+	526	2,105	2,634	4,225	5,113	5,530	6,589	3,890	3,830	2,910	760	169	38,281
NKWSD to K-T via FK Irrigation Deliveries	+	0	573	773	1,229	1,527	998	910	1,209	381	492	381	0	8,473
NKWSD to DEID via FK Irrigation Deliveries	+	1,089	1,155	0	0	0	0	0	0	985	1,159	726	0	5,114
Shafter-Wasco ID Irrigation Deliveries	+	21	897	373	653	954	202	151	262	303	234	143	0	4,193
OMW to K-Tulare	-	0	0	0	0	85	81	127	111	119	123	87	0	733
OMW to Cawelo	-	0	0	0	0	85	157	119	123	119	123	20	0	746
Nickel LLC to Cawelo	-	0	0	0	0	0	135	36	0	0	0	0	0	171
NKWSD to Cawelo	-	0	0	0	0	0	0	0	460	0	910	952	0	2,322
Shafter-Wasco ID to NKWSD	+	0	0	0	0	0	0	0	0	46	40	38	0	124
Friant-Kern Canal Pump-In Deliveries	+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL IRRIGATION USE	=	**2,798**	**7,959**	**8,134**	**14,646**	**19,710**	**20,985**	**22,663**	**13,987**	**13,352**	**9,953**	**2,528**	**391**	**137,106**
District Spreading Ponds (Kern)	+	0	0	0	0	0	0	0	0	0	0	0	3,733	3,733
District Spreading Ponds (Other)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Poso Creek Spreading (Kern)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Poso Creek Spreading (Other)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DISTRICT SPREADING	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3,733**	**3,733**
TOTAL DISTRICT USE		**2,798**	**7,959**	**8,134**	**14,646**	**19,710**	**20,985**	**22,663**	**13,987**	**13,352**	**9,953**	**2,528**	**4,124**	**140,839**
Total NKWSD Canal Loss		2,076	1,580	2,631	2,701	4,505	5,696	7,809	4,304	4,042	4,943	2,789	4,546	47,622

Into Reservoir Storage		369	234	320	324	215	18	0	8	0	0	1,685	843	4,016
Reservoir Evaporation Loss		238	208	319	402	434	426	276	232	198	163	119	97	3,112
From Reservoir Storage		22	97	0	510	817	2,731	2,872	66	0	0	0	533	11,366
END OF MONTH RESERVOIR STORAGE		**11,423**	**11,352**	**11,353**	**10,765**	**9,729**	**6,590**	**3,442**	**3,152**	**2,954**	**2,791**	**4,357**	**4,570**	

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11	17	46	45	67	57	137	48	30	11	11	6
2	0	14	5	36	53	56	149	48	25	14	10	5
3	0	19	9	49	69	56	153	53	30	17	4	10
4	0	17	8	43	78	62	172	82	98	11	6	16
5	0	17	8	77	64	35	189	29	101	10	11	25
6	0	12	9	83	41	44	187	27	92	10	23	26
7	0	41	12	81	41	48	139	67	29	8	24	56
8	0	14	54	67	64	43	114	67	26	8	23	140
9	0	23	75	69	75	60	127	24	26	8	23	139
10	0	6	64	77	84	92	126	24	14	8	21	141
11	0	8	70	33	99	89	125	22	11	8	7	163
12	0	9	67	21	92	94	122	24	24	5	6	195
13	0	8	37	25	87	94	123	25	23	12	6	182
14	0	9	18	28	69	77	82	31	23	12	6	138
15	0	4	14	24	40	77	102	32	22	12	6	131
16	0	0	8	22	41	76	144	32	28	8	5	145
17	0	4	10	10	41	57	141	35	28	8	5	154
18	0	11	7	16	50	61	84	31	28	8	5	149
19	0	10	5	17	64	51	86	7	28	6	5	140
20	3	8	15	51	92	55	81	19	11	13	5	140
21	4	10	8	64	90	71	72	15	10	13	6	141
22	8	9	7	137	41	74	60	9	9	13	8	140
23	6	9	13	102	41	74	59	7	9	12	8	139
24	5	9	19	137	41	73	46	8	9	12	8	137
25	7	9	18	132	58	75	44	6	9	12	8	132
26	5	13	18	166	44	66	45	9	9	10	8	136
27	8	11	12	161	41	67	45	6	9	13	8	134
28	7	31	13	132	34	120	24	7	7	14	8	135
29	9	-	12	93	6	123	26	8	9	11	8	132
30	10	-	11	48	10	121	53	25	9	10	5	134
31	19	-	19	-	57	-	43	23	-	15	-	131
TOTAL	102	352	691	2,046	1,774	2,148	3,100	850	786	332	287	3,592
MAXIMUM DAY	19	41	75	166	99	123	189	82	101	17	24	195
MINIMUM DAY	0	0	5	10	6	35	24	6	7	5	4	5
MEAN	3	13	22	68	57	72	100	27	26	11	10	116
TOTAL AC. FT.	202	698	1,371	4,058	3,519	4,260	6,149	1,686	1,559	659	569	7,124

WHOLE YEAR:- TOTAL, 16,060 MAX., 195 MIN., 0 MEAN, 44 TOTAL AC.FT., 31,854

NORTH KERN WATER STORAGE DISTRICT

BEARDSLEY CANAL OPERATIONS

Year: 2014

Quantities in acre-feet

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River	+	202	698	1,371	4,058	3,519	4,260	6,149	1,686	1,559	659	569	7,124	31,854
Well Water Exchange Supply	+	0	89	0	0	91	157	155	583	119	123	20	0	1,337
C.V.C. Conduit "A"	+	0	0	0	0	0	613	85	345	0	0	0	0	1,043
+ TOTAL BEARDSLEY CANAL SUPPLY	=	**202**	**787**	**1,371**	**4,058**	**3,610**	**5,030**	**6,389**	**2,614**	**1,678**	**782**	**589**	**7,124**	**34,234**
ID4 via C.V.C. Conduit "A" (Reverse Flow)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
- Improvement District No. 4 Diverted	=	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Supply		0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. # 1 Lateral (Total Flow)	+	0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. # 4 Lateral	+	103	335	316	276	298	326	359	313	319	403	256	136	3,440
KRC & Irr. Co. # 5 Lateral	+	0	24	38	0	0	24	26	28	30	24	0	0	194
KRC & Irr. Co. Bidart Boosters	+	53	144	206	155	0	0	64	129	228	171	38	0	1,188
KRC & Irr. Co. via 1-0-20	+	0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. via 1-0-80	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss	+	24	54	61	60	61	60	61	61	60	61	60	36	659
- TOTAL KRC & IRR. CO. DIVERTED	=	**180**	**557**	**621**	**491**	**359**	**410**	**510**	**531**	**637**	**659**	**354**	**172**	**5,481**
Kern River Supply	-	180	557	621	491	359	410	510	531	637	659	354	172	5,481
C.V.C. Conduit "A" Supply	=	0	0	0	0	0	0	0	0	0	0	0	0	0
Cawelo WD via Pump Station "B"	+	0	0	0	498	1,735	1,115	2,668	1,361	914	910	952	0	10,153
Cawelo WD Lerdo Turnout Deliveries	+	0	89	0	361	339	198	133	121	58	72	10	0	1,381
Cawelo WD via Pump Station "D"	+	0	0	0	0	0	0	0	460	0	0	0	0	460
Lined Section Loss	+	0	0	0	20	56	54	61	61	59	61	10	0	382
Lerdo Canal Loss	+	0	0	0	6	22	14	24	14	10	0	10	0	100
- TOTAL CAWELO WD DIVERTED	=	**0**	**89**	**0**	**885**	**2,152**	**1,381**	**2,886**	**2,017**	**1,041**	**1,043**	**982**	**0**	**12,476**
Kern River Supply	-	0	0	0	694	1,909	1,089	2,731	1,089	922	0	0	0	8,434
Well Water Exchange Supply	-	0	89	0	191	243	157	119	583	119	1,043	972	0	3,516
Nickel Well Water Supply	-	0	0	0	0	0	135	36	0	0	0	0	0	171
C.V.C. Conduit "A" Supply	=	0	0	0	0	0	0	0	345	0	0	0	0	345
- 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		0	0	0	0	0	0	0	0	0	0	0	0	0
- Kern-Tulare WD Diverted		0	0	0	0	0	0	0	0	0	0	0	0	0
- Lined Section Loss: NKWSD	+	2	6	18	59	42	60	49	2	0	0	28	57	323
= NKWSD FROM LERDO CANAL	+	**20**	**135**	**732**	**2,814**	**1,209**	**3,179**	**2,908**	**64**	**0**	**0**	**187**	**6,895**	**18,143**
Kern River Supply	-	22	141	750	2,873	1,251	2,626	2,872	66	0	0	215	6,952	17,768
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	613	85	0	0	0	0	0	698

DISCHARGE IN CUBIC FEET PER SECOND

Lerdo Canal at Seventh Standard Line (Total Flow)

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	8	0	38	76	59	49	125	34	20	0	0	0
2	0	0	0	44	45	48	136	34	17	0	0	0
3	0	0	0	39	61	48	141	39	19	0	0	3
4	0	0	0	45	70	50	165	67	88	0	0	9
5	0	0	0	66	57	49	182	14	87	0	5	20
6	0	0	0	80	34	75	180	14	77	1	16	23
7	0	30	0	81	34	77	132	58	16	1	16	53
8	0	0	43	58	57	72	101	58	15	1	17	137
9	0	17	66	61	68	89	114	15	15	1	17	136
10	0	0	55	68	78	120	111	14	1	1	14	135
11	0	0	61	52	92	82	117	14	1	1	0	159
12	0	0	57	10	85	87	115	14	15	1	0	192
13	0	0	26	13	80	87	114	35	16	1	0	179
14	0	0	11	18	62	70	74	52	15	1	0	135
15	0	0	0	14	34	70	94	53	15	1	0	125
16	0	0	0	13	34	69	136	52	16	1	0	139
17	0	0	0	0	34	63	129	52	15	1	0	148
18	0	0	0	5	43	76	70	51	15	1	0	143
19	0	0	0	7	57	66	72	11	15	1	0	134
20	0	0	0	45	86	70	72	9	1	1	0	134
21	0	0	0	68	83	65	64	8	2	1	0	135
22	0	0	0	136	34	68	51	0	1	1	1	134
23	0	0	0	95	34	68	50	0	1	1	2	133
24	0	0	0	130	34	66	38	0	1	1	2	131
25	0	0	0	125	52	68	60	0	1	1	1	126
26	0	0	0	159	37	59	55	0	1	1	1	133
27	0	0	0	154	34	60	37	0	1	1	2	131
28	0	21	0	125	27	113	16	0	1	1	1	132
29	0	-	0	86	0	116	17	0	1	1	1	129
30	0	-	0	41	3	115	45	14	1	1	0	131
31	0	-	11	-	50	-	37	14	-	1	-	128
TOTAL	8	68	368	1,914	1,558	2,215	2,850	726	490	26	96	3,447
MAXIMUM DAY	8	30	66	159	92	120	182	67	88	1	17	192
MINIMUM DAY	0	0	0	0	0	48	16	0	1	0	0	0
MEAN	0	2	12	64	50	74	92	23	16	1	3	111
TOTAL AC. FT.	16	135	730	3,796	3,090	4,393	5,653	1,440	972	52	190	6,837

WHOLE YEAR:- TOTAL, 13,766 MAX., 192 MIN., 0 MEAN, 38 TOTAL AC.FT., 27,304

NORTH KERN WATER STORAGE DISTRICT
LERDO CANAL OPERATIONS

Quantities in acre-feet

Year: 2014

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Total Beardsley Canal Supply	+	**202**	**698**	**1,371**	**4,058**	**3,519**	**5,030**	**6,389**	**2,614**	**1,678**	**782**	**589**	**7,124**	**34,054**
+ 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		103	359	354	276	298	350	385	341	349	427	256	136	3,634
+ KRC & Irr. Co. Boosters		53	144	206	155	0	0	64	129	228	171	38	0	1,188
+ Lined Section Loss: KRC & Irr. Co.		24	54	61	60	61	60	61	61	60	61	60	36	659
= **KRC & Irr. Co. from Beardsley**	-	**180**	**557**	**621**	**491**	**359**	**410**	**510**	**531**	**637**	**659**	**354**	**172**	**5,481**
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
North Kern WSD via 1-1-0	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss: Cawelo WD	-	0	0	0	20	56	54	61	61	59	61	10	0	382
Lined Section Loss: NKWSD	-	2	6	18	59	42	60	49	2	0	0	28	57	323
Lerdo Canal Total Flow	=	**20**	**135**	**732**	**3,488**	**3,062**	**4,506**	**5,769**	**2,020**	**982**	**62**	**197**	**6,895**	**27,868**
KRC & Irr. Co. via 8-1-0	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Cawelo WD Well Water Via NKWSD	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch ID via Lerdo	-	0	0	0	0	0	0	0	0	0	0	0	0	0
K-TWD via 8-17-0	-	0	0	0	0	0	0	0	0	0	0	0	0	0
C.V.C. Conduit "A"	+	0	0	0	0	0	0	0	345	0	0	0	0	345
Cawelo WD Well Water Inflow	+	0	89	0	191	243	157	155	583	119	920	972	0	3,429
+ Cawelo WD Via NKWSD		0	0	0	0	0	0	0	0	0	0	0	0	0
+ Cawelo WD Delivered at Sta. "B"		0	0	0	498	1,735	1,115	2,668	1,361	914	910	952	0	10,153
+ Cawelo WD Lerdo Turnouts		0	89	0	361	339	198	133	121	58	72	10	0	1,381
+ Cawelo WD Delivered at Sta. "D"		0	0	0	0	0	0	0	460	0	0	0	0	460
+ Lerdo Loss: to Station "B"		0	0	0	6	22	14	24	14	10	0	0	0	90
+ Lerdo Loss: Lerdo Turnout Deliveries		0	0	0	0	0	0	0	0	0	0	10	0	10
+ Lerdo Loss: to Station "D"		0	0	0	0	0	0	0	0	0	0	0	0	0
= **Cawelo WD Total from Lerdo**	-	**0**	**89**	**0**	**865**	**2,096**	**1,327**	**2,825**	**1,956**	**982**	**982**	**972**	**0**	**12,094**
North Kern WSD from Lerdo	=	**20**	**135**	**732**	**2,814**	**1,209**	**3,179**	**2,908**	**64**	**0**	**0**	**187**	**6,895**	**18,143**

DISCHARGE IN CUBIC FEET PER SECOND

Total Flow via the Calloway Canal Headgate

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	27	19	46	59	0	0	0	0	0	0
2	0	0	23	29	53	66	0	0	0	0	0	0
3	0	0	18	32	54	40	0	0	0	0	0	0
4	0	0	27	18	48	0	0	0	0	0	0	0
5	0	0	25	31	47	0	0	0	0	0	0	0
6	0	0	25	28	37	0	0	0	0	0	0	0
7	0	0	26	33	50	0	0	0	0	0	0	0
8	0	0	24	31	45	0	0	0	0	0	0	0
9	0	0	26	38	44	0	0	0	0	0	0	0
10	0	0	34	27	45	0	0	0	0	0	0	0
11	0	0	38	32	40	0	0	0	0	0	0	0
12	0	0	39	30	48	0	0	0	0	0	0	0
13	0	0	38	37	55	0	0	0	0	0	0	0
14	0	0	41	32	52	0	0	0	0	0	0	0
15	0	0	33	33	61	0	0	0	0	0	0	0
16	0	0	39	36	50	0	0	0	0	0	0	0
17	0	26	31	39	47	0	0	0	0	0	0	0
18	0	37	33	34	52	0	0	0	0	0	0	0
19	0	41	33	40	57	0	0	0	0	0	0	0
20	0	35	34	35	54	0	0	0	0	0	0	0
21	0	41	33	41	56	0	0	0	0	0	0	0
22	0	37	38	30	58	0	0	0	0	0	0	0
23	0	36	36	36	63	0	0	0	0	0	0	0
24	0	37	46	40	64	0	0	0	0	0	0	0
25	0	31	25	33	65	0	0	0	0	0	0	0
26	0	31	35	28	66	0	0	0	0	0	0	0
27	0	26	26	35	66	0	0	0	0	0	0	0
28	0	11	37	37	68	0	0	0	0	0	0	0
29	0	-	29	43	65	0	0	0	0	0	0	0
30	0	-	30	41	62	0	0	0	0	0	0	0
31	0	-	30	-	64	-	0	0	-	0	-	0
TOTAL	0	389	979	998	1,682	165	0	0	0	0	0	0
MAXIMUM DAY	0	41	46	43	68	66	0	0	0	0	0	0
MINIMUM DAY	0	0	18	18	37	0	0	0	0	0	0	0
MEAN	0	14	32	33	54	6	0	0	0	0	0	0
TOTAL AC. FT.	0	771	1,942	1,980	3,336	327	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 4,213 MAX., 68 MIN., 0 MEAN, 12 TOTAL AC.FT., 8,356

NORTH KERN WATER STORAGE DISTRICT

CALLOWAY CANAL OPERATIONS

Quantities in acre-feet

Year: 2014

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FLOW AT HEADWORKS	+	**0**	**771**	**1,942**	**1,980**	**3,336**	**327**	**0**	**0**	**0**	**0**	**0**	**0**	**8,356**
KCWA Armco Turnout	-	0	707	1,819	1,823	3,140	301	0	0	0	0	0	0	7,790
Seepage Loss	-	0	48	123	119	123	12	0	0	0	0	0	0	425
FLOW AT MEASURING STATION	=	**0**	**16**	**0**	**38**	**73**	**14**	**0**	**0**	**0**	**0**	**0**	**0**	**141**
CVC Turnout to Calloway	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Seepage Loss	-	0	16	0	38	73	14	0	0	0	0	0	0	141
FLOW AT BUCK OWENS WEIR	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Friant-Kern Inflow	+	0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. 1-1-0 Inflow	+	0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. Calloway Delivery	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Seepage Loss	-	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOW AT OLIVE DRIVE WEIR	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
KRC & Irr. Co. Calloway Delivery	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch ID at Headworks	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Seepage Loss	-	0	0	0	0	0	0	0	0	0	0	0	0	0
9-7 Inflow	+	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD 8-1-0 Inflow	+/-	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOW AT SEVENTH STANDARD LINE	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
for Rosedale Ranch ID	-	0	0	0	0	0	0	0	0	0	0	0	0	0
for North Kern WSD	=	0	0	0	0	0	0	0	0	0	0	0	0	0
KERN COUNTY WATER AGENCY / ID4:														
Operating Loss	+	0	60	153	149	155	16	0	0	0	0	0	0	533
Turnout #4 to River	+	0	0	0	0	0	0	0	0	0	0	0	0	0
ID4 Treatment Plant	+	0	695	1,789	1,793	3,108	297	0	0	0	0	0	0	7,682
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	+	0	16	0	38	73	14	0	0	0	0	0	0	141
TOTAL DIVERTED	=	**0**	**771**	**1,942**	**1,980**	**3,336**	**327**	**0**	**0**	**0**	**0**	**0**	**0**	**8,356**
KERN RIVER CANAL & IRRIGATING CO.:														
Calloway Irrigation Deliveries	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Delivery Loss/ Spreading	+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
ROSEDALE RANCH ID:														
Flow at Headworks	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Flow at Seventh Standard Line	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Assigned Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
NORTH KERN WATER STORAGE DISTRICT:														
Flow at Seventh Standard Line	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Loss	+	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED	=	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

DISCHARGE IN CUBIC FEET PER SECOND

Total Diverted to Rosedale Ranch Improvement District

Year: 2014

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

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

ROSEDALE RANCH IMPROVEMENT DISTRICT

Quantities in acre-feet

Year: 2014

		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**
RRID at Headgate	-	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
RRID via NKWSD 9-7 @ Head	-	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
IRRIGATION DELIVERIES	+	**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
City of Bakersfield Non-Kern River	-	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
NKWSD Non-Kern River	-	0	0	0	0	0	0	0	0	0	0			0
Mandatory Release	=	0	0	0	0	0	0	0	0	0	0			0
LOSS & SPREADING	+	**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
City of Bakersfield Non-Kern River	-	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
NKWSD Non-Kern River	-	0	0	0	0	0	0	0	0	0	0			0
Mandatory Release	=	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**
City of Bakersfield Miscellaneous	-	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
NKWSD/RRID EXCHANGE STATUS														
RRID to NKWSD	+	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
Exchange Balance	=	**(7,680)**	**(7,680)**	**(7,680)**	**(7,680)**	**(7,680)**	**(7,680)**	**(7,680)**	**(7,680)**	**(7,680)**	**(7,680)**			

North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND — Class 1 Irrigation Deliveries — Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	15	20	114	147	235	316	181	125	197	57	1
2	0	2	6	151	244	263	353	235	123	175	5	1
3	0	15	43	119	175	226	274	135	152	125	72	7
4	0	55	48	113	47	225	270	183	111	130	94	10
5	0	65	95	66	198	238	242	153	123	22	62	8
6	0	90	60	2	230	260	203	192	165	81	94	4
7	0	60	91	125	254	270	244	163	10	130	88	1
8	0	38	23	124	187	205	262	172	152	171	66	10
9	0	0	8	146	231	207	230	163	195	171	0	6
10	0	88	77	160	223	237	221	96	186	123	33	1
11	0	41	48	146	87	285	281	101	170	75	27	2
12	0	53	53	93	198	249	334	98	168	5	36	1
13	0	123	90	13	294	253	222	142	191	101	14	0
14	0	123	97	126	215	204	205	139	33	125	15	0
15	0	88	55	179	227	125	237	196	139	134	6	5
16	0	9	3	214	194	194	281	164	104	146	2	5
17	0	5	73	270	216	239	280	64	151	116	2	0
18	8	48	71	218	145	318	301	112	182	51	4	0
19	7	116	115	155	194	309	260	142	158	15	2	0
20	12	110	115	37	206	265	186	164	141	93	2	6
21	49	86	114	190	231	307	240	168	16	150	21	0
22	59	39	59	165	225	244	243	209	135	130	5	6
23	63	24	9	205	216	256	274	186	161	152	0	11
24	63	74	168	240	198	226	285	76	200	107	19	9
25	69	77	163	255	112	217	201	170	165	45	21	0
26	14	77	173	175	232	227	206	126	162	6	21	7
27	28	63	77	39	207	304	138	147	138	57	0	5
28	58	44	68	110	228	291	274	145	13	79	4	0
29	48	-	35	165	156	225	251	199	139	97	4	0
30	55	-	4	190	195	271	221	200	148	87	0	6
31	53	-	134	-	282	-	176	78	-	67	-	0
TOTAL	586	1,628	2,195	4,305	6,194	7,375	7,711	4,699	4,056	3,163	776	112
MAXIMUM DAY	69	123	173	270	294	318	353	235	200	197	94	11
MINIMUM DAY	0	0	3	2	47	125	138	64	10	5	0	0
MEAN	19	58	71	144	200	246	249	152	135	102	26	4
TOTAL AC. FT.	1,162	3,229	4,354	8,539	12,286	14,628	15,295	9,320	8,045	6,274	1,539	222

WHOLE YEAR:- TOTAL, 42,800 MAX., 353 MIN., 0 MEAN, 117 TOTAL AC.FT., 84,893

North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND

Class 2 Irrigation Deliveries

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	11	40	69	103	46	129	100	101	59	43	2
2	0	5	5	73	88	71	99	93	56	76	5	2
3	0	4	18	99	81	96	109	63	56	81	68	6
4	0	4	38	68	42	116	130	72	73	70	67	3
5	0	24	68	55	59	111	129	95	95	10	61	2
6	0	46	73	5	78	60	103	83	92	45	37	2
7	0	25	56	27	107	82	96	59	18	77	24	2
8	0	18	32	46	144	72	120	62	63	86	6	3
9	0	6	14	61	88	81	138	75	103	101	0	5
10	0	51	43	77	64	79	151	34	81	92	6	8
11	0	60	40	59	38	89	110	39	86	49	3	7
12	0	66	50	52	71	82	90	51	67	7	6	0
13	0	104	36	14	69	109	67	37	47	49	2	0
14	0	89	34	104	114	139	148	45	11	68	0	0
15	0	51	13	98	78	104	142	54	36	68	0	4
16	0	5	13	129	76	100	128	53	95	74	0	0
17	0	13	30	81	81	71	82	5	82	65	3	0
18	0	23	60	105	80	94	91	61	87	28	3	0
19	0	60	47	42	91	95	107	38	61	3	1	2
20	0	66	90	10	75	112	128	40	42	30	10	3
21	27	67	77	86	90	88	84	68	23	44	7	3
22	26	26	43	93	100	66	95	86	81	47	4	0
23	22	7	10	96	85	56	57	66	80	40	4	0
24	19	39	92	88	58	86	84	48	78	40	7	0
25	27	48	90	106	50	111	119	72	62	13	7	0
26	15	49	99	72	87	162	113	73	52	0	5	8
27	22	53	34	15	102	112	88	94	35	51	0	6
28	25	42	38	87	111	102	112	110	15	30	2	6
29	32	-	7	88	100	70	97	83	55	21	2	0
30	24	-	2	125	89	126	102	86	98	19	0	6
31	26	-	36	-	79	-	74	16	-	24	-	5
TOTAL	265	1,062	1,328	2,130	2,578	2,788	3,322	1,961	1,931	1,467	383	85
MAXIMUM DAY	32	104	99	129	144	162	151	110	103	101	68	8
MINIMUM DAY	0	4	2	5	38	46	57	5	11	0	0	0
MEAN	9	38	43	71	83	93	107	63	64	47	13	3
TOTAL AC. FT.	526	2,106	2,634	4,225	5,113	5,530	6,589	3,890	3,830	2,910	760	169

WHOLE YEAR:- TOTAL, 19,300 MAX., 162 MIN., 0 MEAN, 53 TOTAL AC.FT., 38,282

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: 2014

	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	15,509	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	532	0	0	0	0	0
June	0	0	0	0	166	613	0	0	0	0
July	0	0	0	0	0	85	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	698	698	0	0	0	0
Current Status	0	15,509	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 EXCHANGE STATUS

2014

60% Old, 50% New

	Nickel LLC		Cawelo WD		Improvement District #4 Cat "A"		Improvement District #4 Cat "B"		Kern-Tulare WD		Rosedale Ranch ID		Sun World International LLC		Paramount Farming Co		Shafter-Wasco ID		Semitropic WSD		Poso LLC		West Kern WD		Westlands WD		Westside Districts		Madera Valley LLC		Delano Earlimart ID		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	
Prior Balance	0	0	0	-2,077	0	15,509	0	0	0	21,604	7,680	0	0	0	0	29,292	0	15,591	0	17,553	0	0	0	5,375	0	0	0	3,561	0	6,627	0	36,303	7,680	149,338	
January	0	0	0	821	0	0	0	0	323	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	766	0	1,110	821	January
February	0	0	0	0	0	0	0	0	573	0	0	0	0	0	0	0	897	0	0	0	0	0	0	0	0	0	0	0	0	0	1,155	0	2,625	0	February
March	0	0	0	1,561	0	0	0	0	773	420	0	0	0	0	0	0	373	0	0	0	0	0	0	0	0	0	420	0	0	0	0	0	1,566	1,981	March
April	0	0	0	26	0	0	0	0	1,229	1,190	0	0	0	0	0	0	653	0	0	0	0	0	0	0	0	0	1,190	0	0	0	0	0	3,072	1,216	April
May	0	0	0	0	0	0	532	0	1,527	769	0	0	0	0	0	0	954	0	0	0	0	0	0	0	0	0	769	0	0	0	0	0	3,782	769	May
June	0	0	0	0	0	0	166	613	998	0	0	0	0	0	0	0	203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,367	613	June
July	0	0	0	0	0	0	0	85	910	0	0	0	0	0	0	0	151	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,061	85	July
August	0	0	460	0	0	0	0	0	1,209	0	0	0	0	0	0	0	262	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,931	155	August
September	0	0	0	0	0	0	0	0	621	0	0	0	0	0	0	0	303	46	0	0	0	0	0	0	0	0	0	0	0	0	985	0	1,909	46	September
October	0	0	910	0	0	0	0	0	492	0	0	0	0	0	0	0	413	219	493	493	0	0	0	0	0	0	493	0	0	0	1,159	0	3,960	712	October
November	0	0	952	0	0	0	0	0	381	0	0	0	0	0	0	0	143	38	0	0	0	0	0	0	0	0	0	0	0	0	726	0	2,202	38	November
December	0	0	1,315	0	0	0	0	0	0	0	0	0	0	0	0	0	1,264	1,264	1,264	1,264	0	0	0	0	0	0	1,264	0	0	0	198	0	5,305	2,528	December
Canal Loss																																			
Total	0	0	3,637	2,408	0	0	698	698	9,036	2,379	0	0	0	0	0	0	5,637	1,722	1,757	1,757	0	0	0	0	0	0	4,136	0	0	0	4,969	0	27,822	8,964	
									5,000	Yr to date																	50% Old	50% New							
										FK xch																	2068		10 % loss	0	10 % loss	0			
End of Year Balance	0	0	0	-3,306	0	15,509	0	0	0	16,000	0	0	0	0	0	29,292	0	11,676	0	17,553	0	0	0	5,375	0	0	2,068	1,493	0	6,627	0	31,314	0	130,480	
									"A"																		"B"								

Quantities in acft.

A. KTWD 5,000 af of Friant return, +1,000 af purchase, +657 af OMW, – 2,379 af to W/side Districts, +63 Af adjustment (2008) Balance 16,000 AF

B. Westside Districts ~~50% Old water owed, 50%~~ New water purchased

	OMW to K. Tulare	
	to NKWSD	to Friant
January	0	0
February	0	0
March	0	0
April	0	0
May	93	85
June	119	108
July	123	112
August	123	112
September	262	240
October	0	0
November	0	0
December	0	0
Canal Loss		0.09
	720	657

Mar-14	ACFT
BWSD	85.93
BMWD	75.47
LHWD	145.32
WRMWSD	113.27
Total	419.99

Apr-14	ACFT
BWSD	243.47
BMWD	213.84
LHWD	411.74
WRMWSD	320.94
Total	1189.99

May-14	ACFT
BWSD	157.37
BMWD	138.19
LHWD	266.07
WRMWSD	207.40
Total	769.03

Revised 6-16-14

Oct-14	ACFT
BWSD	100.87
BMWD	88.59
LHWD	170.58
WRMWSD	132.96
Total	493

Dec-14	ACFT
BWSD	258.61
BMWD	227.14
LHWD	437.34
WRMWSD	340.90
Total	1263.99

REVISED
4-15-15

131,533
– 1,053

NORTH KERN WATER STORAGE DISTRICT
STATUS OF EXCHANGE

As Reported by North Kern Water Storage District

(subject to revision)

Quantities in acre-feet

Year: 2014

	Mardera Valley LLC		NICKEL LLC		CAWELO WD		IMPROVEMENT DISTRICT 4 CAT "A"		IMPROVEMENT DISTRICT 4 CAT "B"		KERN-TULARE WD		ROSEDALE RANCH ID		SUN WORLD		PARAMOUNT FARMING CO.		SEMITROPIC WSD		SHAFTER-WASCO ID		POSO LLC		WEST KERN WD		WESTLANDS WD		WESTSIDE DISTRICTS		DELANO-EARLIMART ID		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
Prior Year Status	0	6,627	0	0	0	(2,077)	0	15,509	0	0	0	21,604	7,680	0	0	0	0	29,292	0	17,553	0	15,591	0	0	0	5,375	0	0	0	3,561	0	36,303	7,680	149,336
January	0	0	0	0	0	821	0	0	0	0	323	0	0	0	0	0	0	0	0	0	21	0	0	0	0	0	0	0	0	0	766	0	1,110	821
February	0	0	0	0	0	0	0	0	0	0	573	0	0	0	0	0	0	0	0	0	897	0	0	0	0	0	0	0	0	0	1,155	0	2,625	0
March	0	0	0	0	0	1,561	0	0	0	0	773	420	0	0	0	0	0	0	0	0	373	0	0	0	0	0	0	0	420	0	0	0	1,566	1,981
April	0	0	0	0	0	26	0	0	0	0	1,229	1,190	0	0	0	0	0	0	0	0	653	0	0	0	0	0	0	0	1,190	0	0	0	3,072	1,216
May	0	0	0	0	0	0	0	0	532	0	1,527	769	0	0	0	0	0	0	0	0	954	0	0	0	0	0	0	0	769	0	0	0	3,782	769
June	0	0	0	0	0	0	0	0	166	613	998	0	0	0	0	0	0	0	0	0	203	0	0	0	0	0	0	0	0	0	0	0	1,367	613
July	0	0	0	0	0	0	0	0	0	85	910	0	0	0	0	0	0	0	0	0	151	0	0	0	0	0	0	0	0	0	0	0	1,061	85
August	0	0	0	0	460	0	0	0	0	0	1,209	0	0	0	0	0	0	0	0	0	262	155	0	0	0	0	0	0	0	0	0	0	1,931	155
September	0	0	0	0	0	0	0	0	0	0	621	0	0	0	0	0	0	0	0	0	303	46	0	0	0	0	0	0	0	0	985	0	1,909	46
October	0	0	0	0	910	0	0	0	0	0	492	0	0	0	0	0	0	0	493	493	413	219	0	0	0	0	0	0	493	0	1,159	0	3,960	712
November	0	0	0	0	952	0	0	0	0	0	381	0	0	0	0	0	0	0	0	0	143	38	0	0	0	0	0	0	0	0	726	0	2,202	38
December	0	0	0	0	1,315	0	0	0	0	0	0	0	0	0	0	0	0	0	1,264	1,264	1,264	1,264	0	0	0	0	0	0	1,264	0	198	0	5,305	2,528
Total	0	0	0	0	3,637	2,408	0	0	698	698	9,036	2,379	0	0	0	0	0	0	1,757	1,757	5,637	1,722	0	0	0	0	0	0	4,136	0	4,989	0	29,890	8,964
	Loss 0																														Loss 0			
Current Status	0	6,627	0	0	0	(3,306)	0	15,509	0	0	0	14,947	0	0	0	0	0	29,292	0	17,553	0	11,676	0	0	0	5,375	0	0	575	0	0	31,314	0	128,412

NORTH KERN WATER STORAGE DISTRICT

IMPROVEMENT DISTRICT NO. 4 WATER EXCHANGE SUMMARY

Status as of 12-31-2014 (*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)
Totals	**125,488**	**140,996**		**Totals**	**51,249**	**51,249**		

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

Improvement District No. 4 Diverted to North Kern Water Storage District
(Does not include deliveries into Isabella Reservoir storage)

Year: 2014

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	26	0	0	0	0	0	0
6	0	0	0	0	0	42	0	0	0	0	0	0
7	0	0	0	0	0	42	0	0	0	0	0	0
8	0	0	0	0	0	42	0	0	0	0	0	0
9	0	0	0	0	0	42	0	0	0	0	0	0
10	0	0	0	0	0	36	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	13	0	0	0	0	0	0
18	0	0	0	0	0	22	0	0	0	0	0	0
19	0	0	0	0	0	22	0	0	0	0	0	0
20	0	0	0	0	0	22	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	24	0	0	0	0	0
26	0	0	0	0	0	0	19	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0		0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	309	43	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	42	24	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	10	1	0	0	0	0	0
NET AC. FT.	0	0	0	0	0	613	85	0	0	0	0	0
AC. FT. LOSS	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	613	85	0	0	0	0	0

WHOLE YEAR:- TOTAL, 352 MAX., 42 MIN., 0 MEAN, 1 TOTAL AC.FT., 698

North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND

Exchange Deliveries via/for Shafter-Wasco ID

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	5	0	8	29	0	6	5	6	5	0	0
2	0	5	0	13	29	0	5	5	5	5	0	0
3	0	15	0	8	23	0	5	5	5	5	6	0
4	0	26	0	3	23	5	5	5	5	0	5	0
5	0	15	0	0	29	5	5	5	5	0	5	0
6	0	21	0	0	28	5	5	5	5	5	5	0
7	0	20	0	11	29	0	5	5	5	5	5	0
8	0	16	0	11	28	0	5	5	5	5	5	0
9	0	15	0	15	28	5	5	5	5	5	5	0
10	0	15	0	15	28	5	5	6	5	6	5	0
11	0	14	0	11	16	5	5	6	6	0	6	0
12	0	23	0	8	32	5	0	5	5	0	5	0
13	0	21	0	8	37	5	0	5	5	4	5	0
14	0	21	0	13	34	0	0	5	5	5	5	0
15	0	14	0	13	15	0	0	5	5	4	5	0
16	0	14	0	19	23	5	0	5	5	5	5	0
17	0	14	17	16	20	5	0	5	5	4	0	0
18	0	14	7	16	20	5	0	5	5	5	0	0
19	0	23	9	6	0	5	0	5	5	4	0	0
20	0	20	15	6	0	6	0	5	5	5	0	0
21	0	15	11	11	5	6	0	5	6	0	0	0
22	0	15	10	8	5	5	0	5	5	0	0	0
23	0	15	10	13	0	5	0	5	5	0	0	0
24	0	16	20	13	0	5	0	4	5	5	0	0
25	0	16	16	14	0	5	0	4	5	5	0	0
26	0	19	16	13	0	5	0	0	5	5	0	0
27	0	15	20	13	0	5	0	0	5	5	0	0
28	0	10	15	18	0	0	5	7	5	5	0	0
29	0	-	2	10	0	0	5	0	5	5	0	0
30	6	-	2	16	0	0	5	0	5	5	0	0
31	5	-	18	-	0	-	5	0	-	6	-	0
TOTAL	11	452	188	329	481	102	76	132	153	118	72	0
MAXIMUM DAY	6	26	20	19	37	6	6	7	6	6	6	0
MINIMUM DAY	0	5	0	0	0	0	0	0	5	0	0	0
MEAN	0	16	6	11	16	3	2	4	5	4	2	0
TOTAL AC. FT.	21	897	373	653	954	202	151	262	303	234	143	0

WHOLE YEAR:- TOTAL, 2,114 MAX., 37 MIN., 0 MEAN, 6 TOTAL AC.FT., 4,193

North Kern Water Storage District

DISCHARGE IN CUBIC FEET PER SECOND — Friant-Kern Canal Pump-In Total Deliveries to NKWSD — Year: 2014

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

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

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

Quantities in acre-feet

2012	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWSD to CITY	1,003	571	0	0	0	0	0	0	0	0	0	0	1,574
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	45,682	46,253	46,253	46,253	46,253	46,253	46,253	46,253	46,253	46,253	46,253	46,253	

2013													
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	46,253	46,253	46,253	46,253	46,253	46,253	46,253	46,253	46,253	46,253	46,253	46,253	

2014													
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	46,253	46,253	46,253	46,253	46,253	46,253	46,253	46,253	46,253	46,253	46,253	46,253	

Long Term Recapitulation

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

Quantities in acre-feet

Year: 2014

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

Notes:

(1) Carryover from Buena Vista WSD/North Kern WSD River Program Agreement assumed by Conduit (City) as part of Agreement.

(2) First transaction under NKWSD/Conduit (City) Borrow/Payback Exchange executed in March of 1963.

COST ALLOCATIONS & WATERMASTER SUMMARIES

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: 2014

	2010	2011	2012	2013	2014	Five Year Total	Allocation Percentage
Carrier Canal at Head	248,735	278,841	214,001	153,162	124,212	1,018,951	99.91%
Oilfield Discharge	0	0	0	0	0	0	0.00%
Storm Drain Inflow	598	0	99	137	99	933	0.09%
TOTAL CARRIER CANAL FLOW	**249,333**	**278,841**	**214,100**	**153,299**	**124,311**	**1,019,884**	**100.00%**
Kern Island Canal (1)	141,253	154,694	112,651	90,911	81,984	581,493	57.02%
Eastside Canal	17,400	15,789	12,430	15,685	14,441	75,745	7.43%
Kern Delta WD via Levee #1	51,895	47,908	34,598	14,321	17,827	166,549	16.32%
KERN DELTA WATER DISTRICT TOTAL	**210,548**	**218,391**	**159,679**	**120,917**	**114,252**	**823,787**	**80.76%**
Via Kern Island Canal	0	0	0	0	910	910	0.10%
Carrier Waste Gate	0	1,571	24	0	0	1,595	0.16%
Kern River Conduit via Levee #1	37,857	58,904	54,421	32,320	10,059	193,561	18.98%
CITY OF BAKERSFIELD TOTAL	**37,857**	**60,475**	**54,445**	**32,320**	**10,969**	**196,066**	**19.24%**

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

CARRIER CANAL BELOW FOUR WEIRS - ALLOCATION

Utilization of Water - Preceding Five Years

Year: 2014

Quantities in acre-feet

	2010	2011	2012	2013	2014	Five Year Total	Allocation Percentage
TOTAL CARRIER CANAL FLOW (1)	**144,775**	**263,429**	**78,489**	**19,368**	**11,995**	**518,056**	**100.00%**
Stine Canal Total Diverted (2)	38,303	45,585	9,563	8,656	0	102,107	19.71%
Arvin-Edison Turnout Total Diverted (2)	0	0	0	0	0	0	0.00%
Buena Vista Canal Total Diverted (2)	41,730	58,147	29,734	4,443	3,569	137,623	26.57%
River Canal Total Diverted (3)	1,299	0	0	0	0	1,299	0.25%
KERN DELTA WATER DISTRICT TOTAL DIVERTED FROM CARRIER CANAL	**81,332**	**103,732**	**39,297**	**13,099**	**3,569**	**241,029**	**46.53%**
KERN RIVER CONDUIT (City of Bakersfield)	**63,443**	**159,697**	**39,192**	**6,269**	**8,426**	**277,027**	**53.47%**

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
2014

CALLOWAY CANAL USED

Preceding Ten Years

Year	Diverted via Calloway Canal				
	NKWSD	CITY	Subtotal	ID4	TOTAL
2005	43,729	0	43,729	19,126	62,855
2006	43,729	4,460	48,189	27,597	75,786
2007	80,517	8,006	88,523	21,549	110,072
2008	0	0	0	9,421	9,421
2009	0	0	0	27,709	27,709
2010	0	0	0	26,568	26,568
2011	33,213	15,786	48,999	38,054	87,053
2012	103,780	9,670	113,450	38,676	152,126
2013	5,095	172	5,267	25,273	30,540
2014	166	0	166	8,356	8,522
Total	310,229	38,094	348,323	242,329	590,652
Percent	**89.06%**	**10.94%**	**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				
2010	144,547	1,456	146,003	7,929	153,932	55,812	209,744
2011	233,326	3,598	236,924	9,019	245,943	77,754	323,697
2012	88,201	48	88,249	10,136	98,385	56,628	155,013
2013	15,878	0	15,878	7,368	23,246	22,810	46,056
2014	18,466	0	18,466	5,481	23,947	9,664	33,611
Total	500,418	5,102	505,520	39,933	545,453	222,668	768,121
Percent	**91.74%**	**0.94%**	**92.68%**	**7.32%**	**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: 2014

		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
EASTERN	Operating Loss/Spreading	0	60	153	1,793	155	16	0	0	0	0	0	0	2,177
	Treatment Plant	0	695	1,789	149	3,108	297	0	0	0	0	0	0	6,038
	Reverse Flow via Pump Plant #7	0	0	0	0	0	0	0	0	0	0	0	0	0
	CVC Extension Losses	0	0	0	0	0	0	0	0	0	0	0	0	0
	T.O. #4 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
	Loss to Buck Owens Weir	0	16	0	38	73	14	0	0	0	0	0	0	141
	Western Reach Flow	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trans. Charge Waived	0	0	0	0	0	0	0	0	0	0	0	0	0
	SUB-TOTAL DIVERSION	0	771	1,942	1,980	3,336	327	0	0	0	0	0	0	8,356
	Base Rate	$0.75	$0.75	$0.75	$0.75	$0.75	$0.75	$0.75	$0.75	$0.75	$0.75	$0.75	$0.75	
	Escalator	2.035	2.035	2.035	2.035	2.035	2.035	2.035	2.035	2.035	2.035	2.035	2.035	
	Current Rate	$1.53	$1.53	$1.53	$1.53	$1.53	$1.53	$1.53	$1.53	$1.53	$1.53	$1.53	$1.53	
	SUB-TOTAL CHARGE	$0.00	$1,179.63	$2,971.26	$3,029.40	$5,104.08	$500.31	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$12,784.68
WESTERN	Bartell Spreading	0	0	0	0	0	0	0	0	0	0	0	0	0
	Loss Below Buck Owens Weir	0	0	0	0	0	0	0	0	0	0	0	0	0
	NKWSD Exchange Delivery	0	0	0	0	0	0	0	0	0	0	0	0	0
	Trans. Charge Waived	0	0	0	0	0	0	0	0	0	0	0	0	0
	SUB-TOTAL DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	Current Rate	$1.53	$1.53	$1.53	$1.53	$1.53	$1.53	$1.53	$1.53	$1.53	$1.53	$1.53	$1.53	
	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		**$0.00**	**$1,179.63**	**$2,971.26**	**$3,029.40**	**$5,104.08**	**$500.31**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$0.00**	**$12,784.68**

HYDROGRAPHIC SUMMARY

UTILIZATION OF WATER - FIRST POINT GROUP - PRECEDING FIVE YEARS

Quantities in acre-feet

Year: 2014

Canal	2010	2011	2012	2013	2014	Five Year Total	Percentage
Kern Island	135,702	154,511	128,682	90,911	81,413	591,219	28.13%
Eastside	11,257	15,789	12,429	15,685	14,441	69,601	3.31%
Buena Vista	18,199	56,748	7,578	4,443	3,569	90,537	4.31%
Stine	19,407	45,363	9,299	8,656	0	82,725	3.94%
Farmers	15,443	19,972	4,691	506	0	40,612	1.93%
Subtotal Kern Delta WD	**200,008**	**292,383**	**162,679**	**120,201**	**99,423**	**874,694**	**41.62%**
City of Bakersfield	80,111	227,654	19,845	26,288	20,784	374,682	17.83%
K.R.C. & I. Co. (Beardsley)	18,118	21,343	10,804	7,368	5,481	63,114	3.00%
Central - I.D. #4 (Calloway)	31,014	60,898	9,200	3,296	0	104,408	4.97%
James	0	0	0	0	0	0	0.00%
Pioneer	0	0	0	0	0	0	0.00%
Subtotal City of Bakersfield	**129,243**	**309,895**	**39,849**	**36,952**	**26,265**	**542,204**	**25.80%**
North Kern WSD	**178,121**	**358,888**	**88,201**	**30,726**	**28,753**	**684,689**	**32.58%**
Total First Point Group	**507,372**	**961,166**	**290,729**	**187,879**	**154,441**	**2,101,587**	**100.00%**
South Fork	516	569	172	0	0		
First Point Passing 2nd Point	3,901	1,848	0	0	0		
River Loss and Spreading	60,861	88,458	22,087	17,937	18,744		
Flow Above First Point	17,408	16,336	15,128	15,183	11,251		
Total 1st Point Group Diverted	**590,058**	**1,068,377**	**328,116**	**220,999**	**184,436**		

- Note:
ALL FIGURES REFLECT GROSS DIVERSIONS...

KERN RIVER WATERMASTER
ISABELLA RESERVOIR INTER-DISTRICT RENTAL CHARGES

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

COMPUTED YEAR: 2014

Year	Acre-Foot Days of Irrigation Storage			Isabella O&M Charges (2)
	NKWSD (1)	BVWSD	Total A.F.D.	
2010	38,044,976	23,958,936	62,003,912	$304,878
2011	60,400,699	21,104,961	81,505,660	$304,878
2012	28,279,514	11,870,551	40,150,065	$304,878
2013	10,991,611	5,531,435	16,523,046	$304,878
2014	8,987,502	1,399,041	10,386,543	$304,878
5-Year Totals	146,704,302	63,864,924	210,569,226	$1,524,390

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

- Total 5-Year Operation & Interest Charge..... $2,667,640

$$\frac{\text{Total 5-Year Cost}}{\text{Total 5-Year Use}} = \frac{\$2,667,640}{210,569,226} = \$0.0126687$$

Rental Charge Per Acre-Foot Day

TOTAL 2014 HACIENDA WD Acre-Foot Storage Days = 0

TOTAL 2014 HACIENDA WD Share of 2014 Storage Costs = $0.00

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

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

KERN COUNTY RECREATION POOL REPORT
FROM THE KERN RIVER WATERMASTER

Quantities in acre-feet
except where noted...

Year: 2014

	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	59,601	2,898	1,170			
January	57,993	2,841	1,180	635	16	258
February	60,211	2,920	1,165	547	16	224
March	59,775	2,905	1,170	885	44	357
April	65,730	3,112	1,120	1,202	60	466
May	80,018	3,585	1,035	1,866	77	599
June	73,074	3,360	1,075	2,553	105	752
July	58,937	2,875	1,175	2,291	127	835
August	53,764	2,688	1,220	2,019	121	865
September	50,225	2,557	1,255	1,571	91	748
October	45,418	2,374	1,305	1,190	65	603
November	44,804	2,350	1,315	674	42	377
December	44,851	2,352	1,315	367	26	200
			TOTALS	15,800	790	6,284

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: 2014

CALENDAR YEAR

	FIRST POINT REGULATED	FIRST POINT NATURAL	ENTITLEMENT NKWSD	ENTITLEMENT BVWSD	ENTITLEMENT HWD
JANUARY	10,921	9,947	9,947	0	0
To Date	10,921	9,947	9,947	0	0
FEBRUARY	8,951	11,716	11,716	0	0
	19,872	21,663	21,663	0	0
MARCH	16,036	16,251	16,138	113	0
	35,908	37,914	37,801	113	0
APRIL	19,712	26,527	23,708	2,819	0
	55,620	64,441	61,509	2,932	0
MAY	24,124	40,042	33,167	6,875	0
	79,744	104,483	94,676	9,807	0
JUNE	25,505	20,965	19,233	1,732	0
	105,249	125,448	113,909	11,539	0
JULY	18,898	7,016	7,016	0	0
	124,147	132,464	120,925	11,539	0
AUGUST	15,610	12,456	12,279	177	0
	139,757	144,920	133,204	11,716	0
SEPTEMBER	7,018	5,050	5,050	0	0
	146,775	149,970	138,254	11,716	0
OCTOBER	8,624	5,960	5,960	0	0
	155,399	155,930	144,214	11,716	0
NOVEMBER	7,820	7,880	7,880	0	0
	163,219	163,810	152,094	11,716	0
DECEMBER	11,185	11,599	11,599	0	0
Year	174,404	175,409	163,693	11,716	0

1894 to 2014 Mean April-July Runoff = 461,018 acre-feet (100% of Average)
2014 April-July Runoff = 94,550 acre-feet (21% of Average)

WATER YEAR

	FIRST POINT REGULATED	FIRST POINT NATURAL	ENTITLEMENT NKWSD	ENTITLEMENT BVWSD	ENTITLEMENT HWD
OCTOBER	9,638	7,995	7,995	0	0
To Date	9,638	7,995	7,995	0	0
NOVEMBER	7,117	9,328	9,328	0	0
	16,755	17,323	17,323	0	0
DECEMBER	4,784	10,618	10,618	0	0
	21,539	27,941	27,941	0	0
JANUARY	10,921	9,947	9,947	0	0
	32,460	37,888	37,888	0	0
FEBRUARY	8,951	11,716	11,716	0	0
	41,411	49,604	49,604	0	0
MARCH	16,036	16,251	16,138	113	0
	57,447	65,855	65,742	113	0
APRIL	19,712	26,527	23,708	2,819	0
	77,159	92,382	89,450	2,932	0
MAY	24,124	40,042	33,167	6,875	0
	101,283	132,424	122,617	9,807	0
JUNE	25,505	20,965	19,233	1,732	0
	126,788	153,389	141,850	11,539	0
JULY	18,898	7,016	7,016	0	0
	145,686	160,405	148,866	11,539	0
AUGUST	15,610	12,456	12,279	177	0
	161,296	172,861	161,145	11,716	0
SEPTEMBER	7,018	5,050	5,050	0	0
Year	168,314	177,911	166,195	11,716	0

1894 to 2014 Mean March-October Runoff = 591,666 acre-feet (100% of Average)
2014 March-October Runoff = 134,267acre-feet (23% of Average)

REPORT OF THE KERN RIVER WATERMASTER

RECAPITULATION 2014

QUANTITIES IN ACRE-FEET EXCEPT WHERE NOTED...

	ISABELLA RESERVOIR										NORTH KERN WATER STORAGE DISTRICT					Transfer or Exchange in Storage	BUENA VISTA WATER STORAGE DISTRICT							Kern County Rec. Pool Loss	HACIENDA WATER DISTRICT					
												Flow		Reservoir			Entitlement		Flow			Reservoir			Entitlement		Flow		Reservoir	
	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	Above First Point	At First Point	Storage	Loss		At 1st Point	At 2nd Point	Above 1st Point	At 1st Point	At 2nd Point	Storage	Loss		Contributed by: NKWSD	Contributed by: BVWSD	At 1st Point	At 2nd Point	Storage	Loss
Carry Over	2535.18	59,601								59,601				23,314								6,103							0	
JAN	2534.62	57,993	635	9,993	927	10,920	0	9,947	9,947	57,993	9,947	927	9,993	21,851	490	0	0	0	0	0	0	5,958	145	258	0	0	0	0	0	0
FEB	2535.39	60,211	547	8,715	236	8,951	0	11,716	11,716	60,211	11,716	236	8,715	24,192	424	0	0	0	0	0	0	5,835	123	224	0	0	0	0	0	0
MAR	2535.24	59,775	885	15,053	983	16,036	234	16,251	16,251	59,775	16,138	983	15,003	23,885	693	0	0	113	0	50	0	5,706	192	357	0	0	0	0	0	0
APR	2537.22	65,730	1,202	18,746	966	19,712	342	26,527	26,527	65,730	23,708	966	17,639	32,335	996	0	0	2,819	0	1,107	0	3,211	206	466	0	0	0	0	0	0
MAY	2541.49	80,018	1,866	22,939	1,185	24,124	236	40,042	40,042	80,018	33,167	1,185	21,030	41,968	1,555	0	0	6,875	0	1,909	0	7,866	311	599	0	0	0	0	0	0
JUN	2539.49	73,074	2,553	24,409	1,096	25,505	149	20,965	20,965	73,074	19,233	1,096	23,320	34,885	2,049	0	0	1,732	0	1,089	0	8,005	504	752	0	0	0	0	0	0
JUL	2534.95	58,937	2,291	17,693	1,205	18,898	36	7,016	7,016	58,937	7,016	1,205	13,322	25,570	1,840	0	0	0	0	4,371	0	3,183	451	835	0	0	0	0	0	0
AUG	2533.09	53,764	2,019	14,461	1,149	15,610	0	12,456	12,456	53,764	12,279	1,149	12,948	22,035	1,717	0	0	177	0	1,513	0	1,545	302	865	0	0	0	0	0	0
SEP	2531.74	50,225	1,571	6,006	1,012	7,018	0	5,050	5,050	50,225	5,050	1,012	5,601	19,135	1,337	0	0	0	0	405	0	906	234	748	0	0	0	0	0	0
OCT	2529.79	45,418	1,190	8,624	953	9,577	0	5,960	5,960	45,418	5,960	953	8,624	14,504	1,014	0	0	0	0	0	0	730	176	603	0	0	0	0	0	0
NOV	2529.53	44,804	674	7,012	808	7,820	0	7,880	7,880	44,804	7,880	808	7,012	13,995	569	0	0	0	0	0	0	625	105	377	0	0	0	0	0	0
DEC	2529.55	44,851	367	10,454	731	11,185	0	11,599	11,599	44,851	11,599	731	10,454	14,112	307	(1) 10	0	0	0	0	0	555	60	200	0	0	0	0	0	0
Total			15,800	164,105	11,251	175,356	997	175,409	175,409		163,693	11,251	153,661		12991	10	0	11,716	0	10,444	0		2809	6284	0	0	0	0		0

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

NOTES: (1) BVWSD to NKWSD
(2) NKWSD to HWD

By: John Ryan Date: January 26, 2015

Isabella Dam & Reservoir

QUANTITIES IN ACRE-FEET

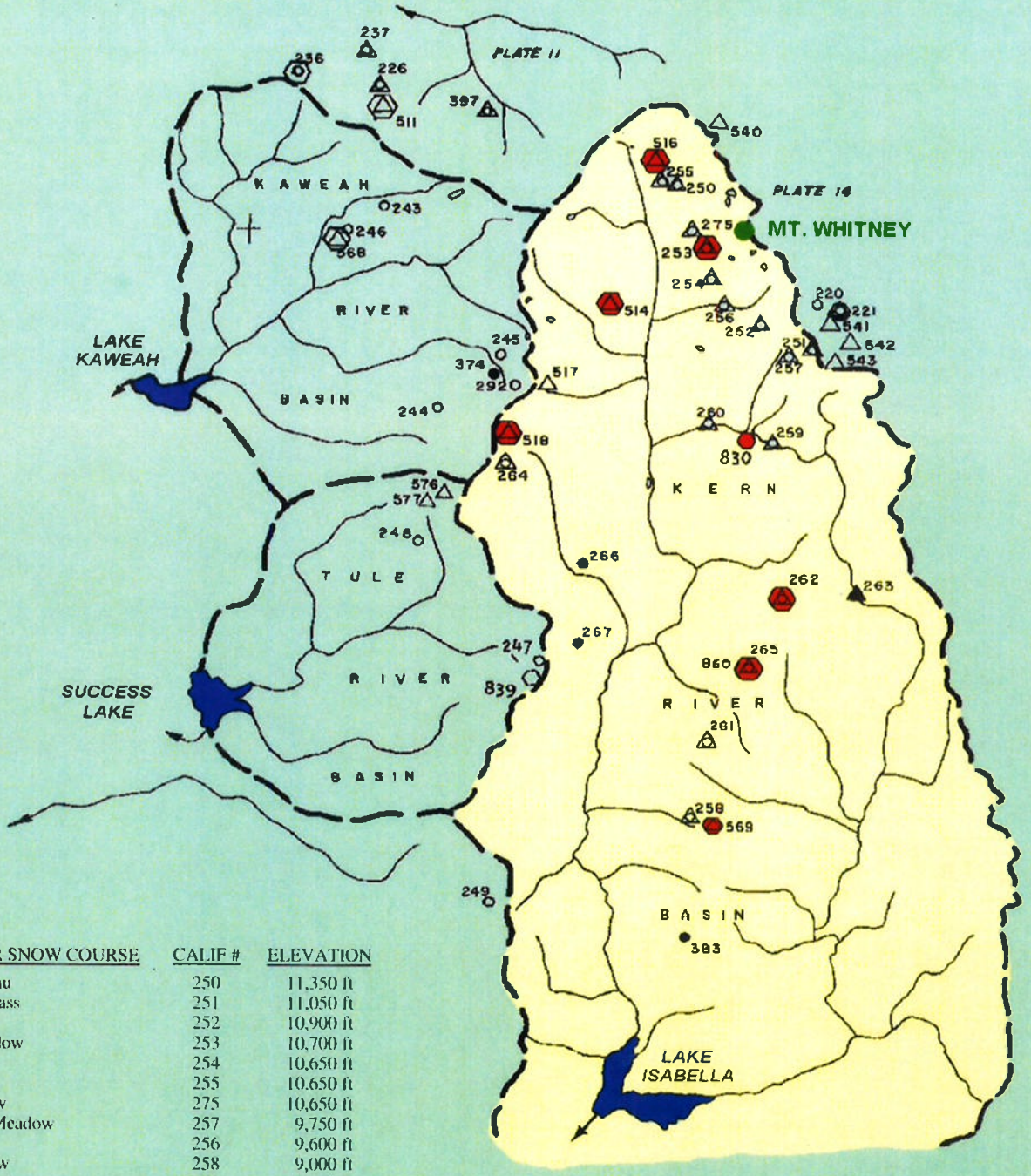
Midnight Storage Recapitulation

Year: 2014

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	59,832	58,250	60,680	59,775	66,166	80,161	72,638	58,850	53,603	50,225	45,418	44,804
2	60,036	58,420	60,856	59,775	66,606	80,232	72,137	58,678	53,469	50,250	45,442	45,181
3	60,153	58,478	60,974	59,746	67,236	80,340	71,639	58,592	53,309	50,199	45,442	45,489
4	60,094	58,592	61,151	59,601	67,967	80,412	70,979	58,563	53,015	50,097	45,418	45,561
5	60,007	58,678	61,298	59,572	68,671	80,521	70,356	58,879	52,750	50,020	45,394	45,513
6	59,920	58,822	61,240	59,485	69,283	80,593	69,737	58,937	52,512	49,918	45,347	45,465
7	59,861	58,937	61,298	59,456	69,899	80,665	69,283	58,621	52,353	49,817	45,324	45,370
8	59,775	58,994	61,298	59,456	70,290	80,845	68,832	58,335	52,222	49,689	45,300	45,300
9	59,717	59,138	61,240	59,543	70,520	80,882	68,414	57,993	52,064	49,589	45,229	45,181
10	59,630	59,282	61,181	59,601	70,749	80,882	67,967	57,625	52,012	49,487	45,181	45,087
11	59,514	59,340	61,122	59,601	70,979	80,845	67,426	57,314	51,933	49,411	45,158	45,039
12	59,543	59,282	60,945	59,746	71,144	80,665	66,857	57,117	51,854	49,386	45,158	45,181
13	59,485	59,224	60,827	59,949	71,309	80,448	66,386	57,314	51,776	49,411	45,110	45,276
14	59,485	59,167	60,621	60,153	71,540	80,304	66,041	57,230	51,671	49,336	45,087	45,300
15	59,369	59,081	60,504	60,416	72,004	80,054	65,326	56,949	51,567	49,184	45,016	45,252
16	59,398	59,023	60,358	60,680	72,638	79,695	64,585	56,641	51,437	49,109	45,110	45,229
17	59,282	58,994	60,328	61,033	73,477	79,302	63,943	56,334	51,307	49,058	45,110	45,229
18	59,167	59,023	60,241	61,476	74,256	78,947	63,426	56,030	51,151	49,008	45,110	45,205
19	59,052	59,081	60,182	61,923	75,109	78,557	62,941	55,753	51,022	48,958	45,039	45,181
20	58,937	59,138	60,094	62,311	75,659	78,098	62,341	55,560	50,944	48,883	45,039	45,110
21	58,822	59,167	60,036	62,671	76,073	77,570	61,833	55,423	50,867	48,633	45,039	45,110
22	58,678	59,253	59,949	63,062	76,489	77,011	61,476	55,258	50,790	48,284	45,016	45,110
23	58,563	59,340	59,804	63,426	76,767	76,558	61,004	55,148	50,764	47,962	44,992	45,110
24	58,392	59,456	59,746	63,638	76,837	76,004	60,680	55,011	50,712	47,642	44,992	45,039
25	58,250	59,485	59,601	63,912	77,011	75,487	60,358	54,848	50,609	47,298	44,969	45,158
26	58,107	59,514	59,543	64,309	77,396	75,006	60,007	54,684	50,506	46,981	44,945	45,158
27	58,022	59,601	59,630	64,709	78,063	74,597	59,717	54,548	50,404	46,689	44,921	45,110
28	57,936	60,211	59,630	65,048	78,734	74,086	59,514	54,412	50,327	46,351	44,874	44,992
29	57,851	-	59,601	65,388	79,409	73,545	59,311	54,223	50,275	45,966	44,851	44,921
30	57,851	-	59,659	65,730	79,803	73,074	59,109	53,953	50,225	45,585	44,804	44,898
31	57,993	-	59,775	-	80,018	-	58,937	53,764	-	45,418	-	44,851
MAXIMUM DAY	60,153	60,211	61,298	65,730	80,018	80,882	72,638	58,937	53,603	50,250	45,442	45,561
MINIMUM DAY	57,851	58,250	59,543	59,456	66,166	73,074	58,937	53,764	50,225	45,418	44,804	44,804

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

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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

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

JANUARY 2014

DAY	ISABELLA RESERVOIR ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET	MIDNIGHT STORAGE S.F.D.	LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS +1ST POINT REGULATED FLOW	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) TOTAL	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT KERN RIVER	SECOND POINT GROUP FLOW AT 2ND POINT FRIANT-KERN	FRIANT-KERN INFLOW	DAY
Previous Day	2535.18	59,601	30,049	10	26	14	40	182	182	30,049	14,831	4	0	0	0	0	
1	2535.26	59,832	30,165	9	22	17	39	164	164	30,165	14,947	4	0	0	0	0	1
2	2535.33	60,036	30,268	9	23	15	38	150	135	30,253	15,035	4	0	0	0	0	2
3	2535.37	60,153	30,327	7	24	16	40	106	141	30,347	15,129	3	0	0	0	0	3
4	2535.35	60,094	30,297	8	175	14	189	167	146	30,296	15,078	3	0	0	0	0	4
5	2535.32	60,007	30,254	10	182	15	197	164	163	30,252	15,034	4	0	0	0	0	5
6	2535.29	59,920	30,210	10	175	17	192	158	161	30,211	14,993	4	0	0	0	0	6
7	2535.27	59,861	30,180	8	168	14	182	160	156	30,177	14,959	3	0	0	0	0	7
8	2535.24	59,775	30,137	15	166	15	181	153	158	30,139	14,921	6	0	0	0	0	8
9	2535.22	59,717	30,107	9	167	15	182	161	155	30,103	14,885	4	0	0	0	0	9
10	2535.19	59,630	30,063	7	171	16	187	150	148	30,057	14,839	3	0	0	0	0	10
11	2535.15	59,514	30,005	7	170	13	183	132	165	30,032	14,814	3	0	0	0	0	11
12	2535.16	59,543	30,020	10	174	15	189	214	173	30,006	14,788	4	0	0	0	0	12
13	2535.14	59,485	29,990	10	180	14	194	174	195	29,997	14,779	4	0	0	0	0	13
14	2535.14	59,485	29,990	13	169	14	183	196	169	29,970	14,752	5	0	0	0	0	14
15	2535.10	59,369	29,932	13	164	17	181	136	180	29,956	14,738	5	0	0	0	0	15
16	2535.11	59,398	29,947	13	165	14	179	207	161	29,925	14,707	5	0	0	0	0	16
17	2535.07	59,282	29,888	15	169	14	183	139	164	29,891	14,673	6	0	0	0	0	17
18	2535.03	59,167	29,830	11	176	16	192	145	147	29,835	14,617	4	0	0	0	0	18
19	2534.99	59,052	29,772	12	189	14	203	157	155	29,775	14,557	5	0	0	0	0	19
20	2534.95	58,937	29,714	11	194	16	210	163	159	29,713	14,495	4	0	0	0	0	20
21	2534.91	58,822	29,656	8	192	16	208	158	157	29,654	14,436	3	0	0	0	0	21
22	2534.86	58,678	29,584	11	198	14	212	151	155	29,586	14,368	5	0	0	0	0	22
23	2534.82	58,563	29,526	2	197	14	211	155	148	29,521	14,303	1	0	0	0	0	23
24	2534.76	58,392	29,439	18	192	16	208	139	151	29,446	14,228	7	0	0	0	0	24
25	2534.71	58,250	29,368	16	198	16	214	159	149	29,365	14,147	7	0	0	0	0	25
26	2534.66	58,107	29,296	10	198	14	212	150	159	29,302	14,084	4	0	0	0	0	26
27	2534.63	58,022	29,253	11	185	15	200	168	157	29,248	14,030	5	0	0	0	0	27
28	2534.60	57,936	29,209	11	172	14	186	153	159	29,210	13,992	5	0	0	0	0	28
29	2534.57	57,851	29,167	12	169	16	185	155	164	29,177	13,959	5	0	0	0	0	29
30	2534.57	57,851	29,167	8	159	18	177	185	175	29,167	13,949	3	0	0	0	0	30
31	2534.62	57,993	29,238	6	155	14	169	246	246	29,238	14,020	2	0	0	0	0	31
TOTAL SECOND FOOT DAYS				320	5,038	468	5,506	5,015	5,015	29,238	14,020	130	0	0	0	0	
TOTAL ACRE-FEET				635	9,993	927	10,920	9,947	9,947	57,993	27,809	258	0	0	0	0	

By: JWR

Date: February 26, 2014

JANUARY 2014

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT									HACIENDA WATER DISTRICT						
							FLOW					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 KDWD	VIA/FOR RRBWSD	Pio. Proj.	VIA CWD	AT 2ND POINT	La HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE	Contributed by: NKWSD	Contributed by: BVWSD	TRANS. LOSS	FOR KCWA	RESERVOIR LOSS	RESERVOIR STORAGE	DAY
Previous Day	182	26	14	8	11,754	0	0	0	0	0	0	0	2	3,077					0	0	
1	164	22	17	7	11,872	0	0	0	0	0	0	0	2	3,075					0	0	1
2	135	23	15	7	11,962	0	0	0	0	0	0	0	2	3,073					0	0	2
3	141	24	16	5	12,058	0	0	0	0	0	0	0	2	3,071					0	0	3
4	146	175	14	6	12,009	0	0	0	0	0	0	0	2	3,069					0	0	4
5	163	182	15	8	11,967	0	0	0	0	0	0	0	2	3,067					0	0	5
6	161	175	17	8	11,928	0	0	0	0	0	0	0	2	3,065					0	0	6
7	156	168	14	6	11,896	0	0	0	0	0	0	0	2	3,063					0	0	7
8	158	166	15	12	11,861	0	0	0	0	0	0	0	3	3,060					0	0	8
9	155	167	15	7	11,827	0	0	0	0	0	0	0	2	3,058					0	0	9
10	148	171	16	5	11,783	0	0	0	0	0	0	0	2	3,056					0	0	10
11	165	170	13	5	11,760	0	0	0	0	0	0	0	2	3,054					0	0	11
12	173	174	15	8	11,736	0	0	0	0	0	0	0	2	3,052					0	0	12
13	195	180	14	8	11,729	0	0	0	0	0	0	0	2	3,050					0	0	13
14	169	169	14	10	11,705	0	0	0	0	0	0	0	3	3,047					0	0	14
15	180	164	17	10	11,694	0	0	0	0	0	0	0	3	3,044					0	0	15
16	161	165	14	10	11,666	0	0	0	0	0	0	0	3	3,041					0	0	16
17	164	169	14	12	11,635	0	0	0	0	0	0	0	3	3,038					0	0	17
18	147	176	16	9	11,581	0	0	0	0	0	0	0	2	3,036					0	0	18
19	155	189	14	9	11,524	0	0	0	0	0	0	0	3	3,033					0	0	19
20	159	194	16	9	11,464	0	0	0	0	0	0	0	2	3,031					0	0	20
21	157	192	16	6	11,407	0	0	0	0	0	0	0	2	3,029					0	0	21
22	155	198	14	8	11,342	0	0	0	0	0	0	0	3	3,026					0	0	22
23	148	197	14	2	11,277	0	0	0	0	0	0	0	0	3,026					0	0	23
24	151	192	16	14	11,206	0	0	0	0	0	0	0	4	3,022					0	0	24
25	149	198	16	12	11,129	0	0	0	0	0	0	0	4	3,018					0	0	25
26	159	198	14	8	11,068	0	0	0	0	0	0	0	2	3,016					0	0	26
27	157	185	15	8	11,017	0	0	0	0	0	0	0	3	3,013					0	0	27
28	159	172	14	8	10,982	0	0	0	0	0	0	0	3	3,010					0	0	28
29	164	169	16	9	10,952	0	0	0	0	0	0	0	3	3,007					0	0	29
30	175	159	18	6	10,944	0	0	0	0	0	0	0	2	3,005					0	0	30
31	246	155	14	5	11,016	0	0	0	0	0	0	0	1	3,004					0	0	31
S.F.D.	5,015	5,038	468	247	11,016	0	0	0	0	0	0	0	73	3,004			0	0	0	0	S.F.D.
AC.FT.	9,947	9,993	927	490	21,851	0	0	0	0	0	0	0	145	5,958			0	0	0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 710,076

TOTAL ACRE-FOOT STORAGE DAYS 186,960

TOTAL ACRE-FOOT STORAGE DAYS 0

JANUARY 2014

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
				None

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

FEBRUARY 2014

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	2534.62	57,993	29,238	6	155	14	169	246	246	29,238	14,020	2	0	0	0	0	
1	2534.71	58,250	29,368	8	117	15	132	270	270	29,368	14,150	3	0	0	0	0	1
2	2534.77	58,420	29,453	4	91	14	105	194	173	29,432	14,214	2	0	0	0	0	2
3	2534.79	58,478	29,483	6	94	1	95	131	159	29,490	14,272	2	0	0	0	0	3
4	2534.83	58,592	29,540	1	91	3	94	152	151	29,546	14,328	0	0	0	0	0	4
5	2534.86	58,678	29,584	8	118	1	119	171	169	29,588	14,370	3	0	0	0	0	5
6	2534.91	58,822	29,656	2	111	0	111	185	190	29,665	14,447	1	0	0	0	0	6
7	2534.95	58,937	29,714	7	145	3	148	213	188	29,698	14,480	3	0	0	0	0	7
8	2534.97	58,994	29,743	9	125	2	127	165	200	29,762	14,544	4	0	0	0	0	8
9	2535.02	59,138	29,815	12	138	0	138	222	215	29,827	14,609	5	0	0	0	0	9
10	2535.07	59,282	29,888	13	170	2	172	258	235	29,877	14,659	5	0	0	0	0	10
11	2535.09	59,340	29,917	9	185	2	187	225	225	29,906	14,688	4	0	0	0	0	11
12	2535.07	59,282	29,888	11	207	2	209	191	207	29,893	14,675	4	0	0	0	0	12
13	2535.05	59,224	29,859	14	217	3	220	205	204	29,863	14,645	6	0	0	0	0	13
14	2535.03	59,167	29,830	13	228	3	231	215	202	29,821	14,603	5	0	0	0	0	14
15	2535.00	59,081	29,787	10	217	2	219	186	203	29,795	14,577	4	0	0	0	0	15
16	2534.99	59,023	29,757	19	216	2	218	207	203	29,761	14,543	8	0	0	0	0	16
17	2534.97	58,994	29,743	10	218	3	221	217	202	29,732	14,514	4	0	0	0	0	17
18	2534.98	59,023	29,757	10	158	0	158	182	196	29,760	14,542	4	0	0	0	0	18
19	2535.00	59,081	29,787	12	146	2	148	190	183	29,783	14,565	5	0	0	0	0	19
20	2535.02	59,138	29,815	9	138	2	140	177	178	29,812	14,594	4	0	0	0	0	20
21	2535.03	59,167	29,830	12	139	1	140	167	178	29,838	14,620	5	0	0	0	0	21
22	2535.06	59,253	29,873	12	134	2	136	191	183	29,873	14,655	5	0	0	0	0	22
23	2535.09	59,340	29,917	13	132	3	135	192	196	29,921	14,703	5	0	0	0	0	23
24	2535.13	59,456	29,976	14	131	0	131	204	188	29,964	14,746	6	0	0	0	0	24
25	2535.15	59,485	29,990	14	134	6	140	168	199	30,009	14,791	6	0	0	0	0	25
26	2535.15	59,514	30,005	7	186	16	202	224	218	30,018	14,800	3	0	0	0	0	26
27	2535.18	59,601	30,049	13	192	13	205	262	249	30,049	14,831	5	0	0	0	0	27
28	2535.39	60,211	30,356	4	216	16	232	543	543	30,356	15,138	2	0	0	0	0	28
TOTAL SECOND FOOT DAYS				276	4,394	119	4,513	5,907	5,907	30,356	15,138	113	0	0	0	0	
TOTAL ACRE-FEET				547	8,715	236	8,951	11,716	11,716	60,211	30,027	224	0	0	0	0	

By: JWB Date: March 24, 2014

FEBRUARY 2014

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT									HACIENDA WATER DISTRICT				
							FLOW						FLOW ABOVE 1ST PT. CARMEL La HACIENDA INC.						
DAY	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	RESERVOIR LOSS	RESERVOIR STORAGE	ENT'L AT 1ST POINT	KDWD	VIA RRWSD	VIA CWD	KWB	AT 2ND POINT		RESERVOIR LOSS	RESERVOIR STORAGE	ENTITLEMENT Contributed by: NKWSD BVWSD	FLOW	RESERVOIR LOSS	RESERVOIR STORAGE	DAY
Previous Day	246	155	14	5	11,016	0	0	0	0	0	0	0	1	3,004			0	0	
1	270	117	15	6	11,148	0	0	0	0	0	0	0	2	3,002			0	0	1
2	173	91	14	3	11,213	0	0	0	0	0	0	0	1	3,001			0	0	2
3	159	94	1	5	11,272	0	0	0	0	0	0	0	1	3,000			0	0	3
4	151	91	3	1	11,328	0	0	0	0	0	0	0	0	3,000			0	0	4
5	169	118	1	6	11,372	0	0	0	0	0	0	0	2	2,998			0	0	5
6	190	111	0	2	11,449	0	0	0	0	0	0	0	0	2,998			0	0	6
7	188	145	3	5	11,484	0	0	0	0	0	0	0	2	2,996			0	0	7
8	200	125	2	7	11,550	0	0	0	0	0	0	0	2	2,994			0	0	8
9	215	138	0	9	11,618	0	0	0	0	0	0	0	3	2,991			0	0	9
10	235	170	2	10	11,671	0	0	0	0	0	0	0	3	2,988			0	0	10
11	225	185	2	7	11,702	0	0	0	0	0	0	0	2	2,986			0	0	11
12	207	207	2	9	11,691	0	0	0	0	0	0	0	2	2,984			0	0	12
13	204	217	3	11	11,664	0	0	0	0	0	0	0	3	2,981			0	0	13
14	202	228	3	10	11,625	0	0	0	0	0	0	0	3	2,978			0	0	14
15	203	217	2	8	11,601	0	0	0	0	0	0	0	2	2,976			0	0	15
16	203	216	2	15	11,571	0	0	0	0	0	0	0	4	2,972			0	0	16
17	202	218	3	8	11,544	0	0	0	0	0	0	0	2	2,970			0	0	17
18	196	158	0	8	11,574	0	0	0	0	0	0	0	2	2,968			0	0	18
19	183	146	2	9	11,600	0	0	0	0	0	0	0	3	2,965			0	0	19
20	178	138	2	7	11,631	0	0	0	0	0	0	0	2	2,963			0	0	20
21	178	139	1	9	11,660	0	0	0	0	0	0	0	3	2,960			0	0	21
22	183	134	2	9	11,698	0	0	0	0	0	0	0	3	2,957			0	0	22
23	196	132	3	10	11,749	0	0	0	0	0	0	0	3	2,954			0	0	23
24	188	131	0	11	11,795	0	0	0	0	0	0	0	3	2,951			0	0	24
25	199	134	6	11	11,843	0	0	0	0	0	0	0	3	2,948			0	0	25
26	218	186	16	5	11,854	0	0	0	0	0	0	0	2	2,946			0	0	26
27	249	192	13	10	11,888	0	0	0	0	0	0	0	3	2,943			0	0	27
28	543	216	16	3	12,196	0	0	0	0	0	0	0	1	2,942			0	0	28
S.F.D.	5,907	4,394	119	214	12,196	0	0	0	0	0	0	0	62	2,942			0	0	S.F.D.
AC.FT.	11,716	8,715	236	424	24,192	0	0	0	0	0	0	0	123	5,835			0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 644,610

TOTAL ACRE-FOOT STORAGE DAYS 165,247

TOTAL ACRE-FOOT STORAGE 0

FEBRUARY 2014
WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
				None

SNOW SURVEY DATA FOR KERN RIVER BASIN

Date: February 1, 2014

SNOW COURSE	SNOW SENSOR	CALIF. NUMBER	ELEV. IN FEET	APRIL 1ST AVERAGE WATER CONTENT	DATE MEASURED	SNOW DEPTH IN INCHES	DENSITY (%)	WATER CONTENT IN INCHES	% OF APRIL 1ST AVERAGE	MEASURED BY
	Upper Tyndall Creek	516	11,400	27.7		12.5	31%	3.9	14%	DWR
Bighorn Plateau		250	11,350	23.7	1-26	8.5	24%	2.0	8%	DWR
Cottonwood Pass		251	11,050	14.8	2-3	11.5	22%	2.5	17%	DWR
Siberian Pass		252	10,900	20.0	1-24	10.0	20%	2.0	10%	DWR
Crabtree Meadow		253	10,700	19.6	1-25	13.5	22%	3.0	15%	DWR
	Crabtree Meadow	253	10,700	19.8		19.0	17%	3.2	16%	DWR
Guyot Flat		254	10,650	20.8	1-25	11.0	27%	3.0	14%	DWR
Tyndall Creek		255	10,650	18.8	1-27	12.5	24%	3.0	16%	DWR
Sandy Meadows		275	10,650	19.2	1-26	8.0	25%	2.0	10%	DWR
	Chagoopa Plateau	514	10,300	21.8		14.0	23%	3.2	15%	
Big Whitney Meadow		257	9,750	17.2	2-2	9.0	11%	1.0	6%	DWR
Rock Creek		256	9,600	17.8	1-25	8.5	24%	2.0	11%	DWR
	Pascoe	569	9,150	24.9						USFS
Round Meadow		258	9,000	24.1	1-29	8.0	38%	3.0	12%	USFS
	Wet Meadow	518	8,950	30.3						
	Tunnel Guard	830	8,900	15.6						DWR
Ramshaw Meadows		259	8,700	11.5	2-1	6.0	17%	1.0	9%	DWR
Little Whitney Meadow		260	8,500	12.9	1-31	9.5	11%	1.0	8%	DWR
Quinn Ranger Station		264	8,350	18.9						
Bonita Meadows		261	8,300	13.6	1-29	1.0	50%	0.5	4%	USFS
Casa Vieja Meadows		262	8,300	19.8						USFS
	Casa Vieja Meadows	262	8,300	20.7						
Beach Meadows		265	7,650	8.3	1-28	0.0	0%	0.0	0%	USFS
	Beach Meadows	860	7,650	11.0		2.0	20%	0.4	4%	USFS
Dead Horse Meadow		249	7,300	10.7	1-27	0.0	0%	0.0	0%	USFS

CALIFORNIA COOPERATIVE SNOW SURVEYS FORECAST as of FEBRUARY 1, 2014 for KERN RIVER INFLOW TO ISABELLA RESERVOIR...
April-July = 140,000 acre-feet (30% of Average) *** Water Year = 235,000 acre-feet (32% of Average)
80 Percent Probability Range (Actual runoff should fall within the stated limits eight times out of ten)...
April-July = 80,000 AcFt (17% of Average) to 470,000 AcFt (101% of Average) *** Water Year = 150,000 AcFt (20% of Average) to 710,000 AcFt (97% of Average)

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

MARCH 2014

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	RIO BRAVO WELL	CHANGE IN STORAGE+LOSS +1ST POINT REGULATED - RIO BRAVO WELL	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	2535.39	60,211	30,356	4	216	16	232	0	543	543	30,356	15,138	2	0	0	0	0	
1	2535.55	60,680	30,593	5	235	17	252	0	494	426	30,525	15,307	2	0	0	0	0	1
2	2535.61	60,856	30,682	5	181	14	195	0	289	352	30,677	15,459	2	0	0	0	0	2
3	2535.65	60,974	30,741	10	187	16	203	0	272	288	30,752	15,534	4	0	0	0	0	3
4	2535.71	61,151	30,830	9	190	15	205	0	303	289	30,827	15,609	4	0	0	0	0	4
5	2535.76	61,298	30,904	13	189	15	204	0	291	265	30,875	15,657	5	0	0	0	0	5
6	2535.74	61,240	30,875	11	201	17	218	0	200	270	30,916	15,698	4	0	0	0	0	6
7	2535.76	61,298	30,904	11	268	15	283	5	318	267	30,894	15,676	4	0	0	0	0	7
8	2535.76	61,298	30,904	15	259	15	274	5	284	288	30,898	15,680	6	0	0	0	0	8
9	2535.74	61,240	30,875	17	262	16	278	5	261	267	30,875	15,657	7	0	0	0	0	9
10	2535.72	61,181	30,845	15	259	16	275	3	257	263	30,851	15,633	6	0	0	0	0	10
11	2535.70	61,122	30,816	15	276	15	291	5	272	247	30,797	15,579	6	0	0	0	0	11
12	2535.64	60,945	30,726	22	266	19	285	5	212	233	30,728	15,510	9	0	0	0	0	12
13	2535.60	60,827	30,667	15	249	15	264	5	215	220	30,674	15,456	6	0	0	0	0	13
14	2535.53	60,621	30,563	15	312	16	328	5	234	234	30,570	15,352	6	0	0	0	0	14
15	2535.49	60,504	30,504	17	284	16	300	4	254	229	30,486	15,268	7	0	0	0	0	15
16	2535.44	60,358	30,431	17	243	16	259	5	198	239	30,454	15,236	7	0	0	0	0	16
17	2535.43	60,328	30,415	22	248	16	264	5	265	232	30,405	15,187	9	0	0	0	0	17
18	2535.40	60,241	30,372	17	247	18	265	5	234	248	30,376	15,158	7	0	0	0	0	18
19	2535.38	60,182	30,342	20	244	16	260	4	246	237	30,337	15,119	8	0	0	0	0	19
20	2535.35	60,094	30,297	13	252	16	268	5	231	241	30,302	15,084	5	0	0	0	0	20
21	2535.33	60,036	30,268	17	246	16	262	5	245	235	30,263	15,045	7	0	0	0	0	21
22	2535.30	59,949	30,224	20	243	15	258	5	229	230	30,220	15,002	8	0	0	0	0	22
23	2535.25	59,804	30,151	18	261	15	276	4	217	239	30,169	14,951	7	0	0	0	0	23
24	2535.23	59,746	30,122	18	269	17	286	5	270	235	30,105	14,887	7	0	0	0	0	24
25	2535.18	59,601	30,049	17	264	16	280	5	219	246	30,059	14,841	7	0	0	0	0	25
26	2535.16	59,543	30,020	9	257	16	273	5	248	259	30,041	14,823	4	0	0	0	0	26
27	2535.19	59,630	30,063	7	246	17	263	4	309	276	30,051	14,833	3	0	0	0	0	27
28	2535.19	59,630	30,063	14	248	15	263	5	272	278	30,057	14,839	6	0	0	0	0	28
29	2535.18	59,601	30,049	15	243	15	258	5	254	275	30,064	14,846	6	0	0	0	0	29
30	2535.20	59,659	30,078	14	245	17	262	5	300	285	30,078	14,860	6	0	0	0	0	30
31	2535.24	59,775	30,137	13	215	17	232	4	300	300	30,137	14,919	5	0	0	0	0	31
TOTAL SECOND FOOT DAYS				446	7,589	495	8,084	118	8,193	8,193	30,137	14,919	180	0	0	0	0	
TOTAL ACRE-FEET				885	15,053	983	16,036	234	16,251	16,251	59,775	29,591	357	0	0	0	0	

By: _____ Date: April 25, 2014

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

MARCH 2014

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	543	216	16	3	12,196
1	386	235	17	4	12,326
2	335	181	14	4	12,462
3	288	187	16	8	12,539
4	289	190	15	7	12,616
5	265	189	15	10	12,667
6	270	201	17	9	12,710
7	267	268	15	9	12,690
8	288	259	15	12	12,697
9	267	262	16	13	12,678
10	263	259	16	12	12,657
11	247	276	15	12	12,606
12	233	266	19	17	12,542
13	220	249	15	12	12,491
14	234	287	16	12	12,415
15	229	284	16	13	12,335
16	239	243	16	13	12,307
17	232	248	16	17	12,263
18	248	247	18	13	12,238
19	237	244	16	16	12,203
20	241	252	16	10	12,171
21	235	246	16	13	12,136
22	230	243	15	16	12,097
23	239	261	15	14	12,050
24	235	269	17	14	11,990
25	246	264	16	13	11,948
26	259	257	16	7	11,932
27	276	246	17	5	11,944
28	278	248	15	11	11,953
29	275	243	15	12	11,963
30	285	245	17	11	11,980
31	300	215	17	10	12,042
S.F.D.	8,136	7,564	495	349	12,042
AC.FT.	16,138	15,003	983	693	23,885

TOTAL ACRE-FOOT STORAGE DAYS 756,987

BUENA VISTA WATER STORAGE DISTRICT

DAY	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
Previous Day	0	0	0	0	0	1	2,942
1	40	0	0	0	0	1	2,981
2	17	0	0	0	0	1	2,997
3	0	0	0	0	0	2	2,995
4	0	0	0	0	0	2	2,993
5	0	0	0	0	0	3	2,990
6	0	0	0	0	0	2	2,988
7	0	0	0	0	0	2	2,986
8	0	0	0	0	0	3	2,983
9	0	0	0	0	0	4	2,979
10	0	0	0	0	0	3	2,976
11	0	0	0	0	0	3	2,973
12	0	0	0	0	0	5	2,968
13	0	0	0	0	0	3	2,965
14	0	25	0	0	0	3	2,937
15	0	0	0	0	0	4	2,933
16	0	0	0	0	0	4	2,929
17	0	0	0	0	0	5	2,924
18	0	0	0	0	0	4	2,920
19	0	0	0	0	0	4	2,916
20	0	0	0	0	0	3	2,913
21	0	0	0	0	0	4	2,909
22	0	0	0	0	0	4	2,905
23	0	0	0	0	0	4	2,901
24	0	0	0	0	0	4	2,897
25	0	0	0	0	0	4	2,893
26	0	0	0	0	0	2	2,891
27	0	0	0	0	0	2	2,889
28	0	0	0	0	0	3	2,886
29	0	0	0	0	0	3	2,883
30	0	0	0	0	0	3	2,880
31	0	0	0	0	0	3	2,877
S.F.D.	57	25	0	0	0	97	2,877
AC.FT.	113	50	0	0	0	192	5,706

TOTAL ACRE-FOOT STORAGE DAYS 180,609

HACIENDA WATER DISTRICT

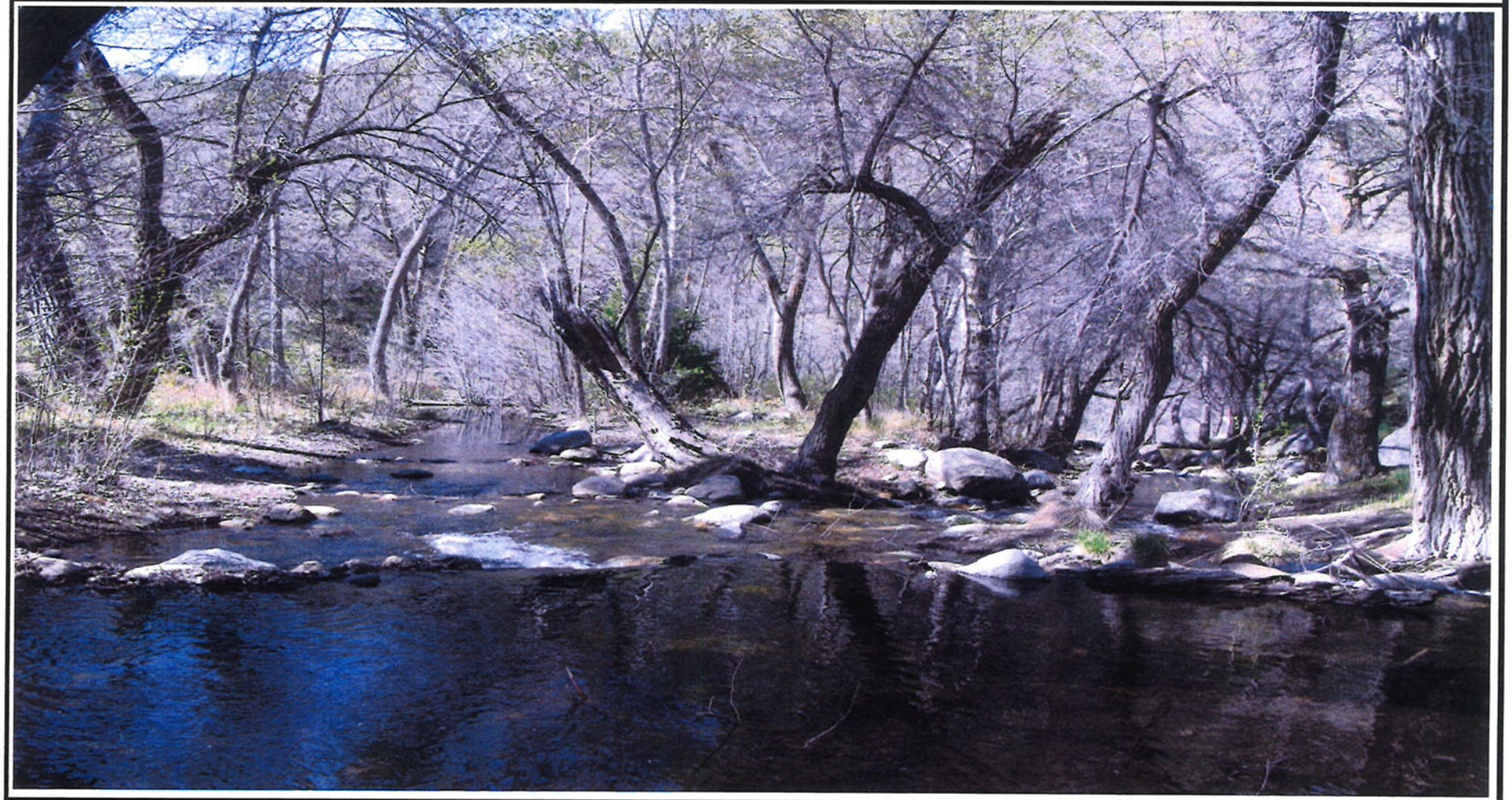
DAY	ENTITLEMENT Contributed by: NKWSD	ENTITLEMENT Contributed by: BVWSD	FLOW	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day				0	0
1				0	0
2				0	0
3				0	0
4				0	0
5				0	0
6				0	0
7				0	0
8				0	0
9				0	0
10				0	0
11				0	0
12				0	0
13				0	0
14				0	0
15				0	0
16				0	0
17				0	0
18				0	0
19				0	0
20				0	0
21				0	0
22				0	0
23				0	0
24				0	0
25				0	0
26				0	0
27				0	0
28				0	0
29				0	0
30				0	0
31				0	0
S.F.D.				0	0
AC.FT.				0	0

TOTAL ACRE-FOOT STORAGE DAYS 0

MARCH 2014

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
March	7-31	1	RIO BRAVO WELL	Reflects well water discharge to Kern River pursuant to terms of Kern River Watermaster/Nickel Family LLC "Agreement for Transportation and Delivery of Rio Bravo Well Water" dated February 27, 2014.



REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where note

APRIL 2014

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	RIO BRAVO WELL	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	2535.24	59,775	30,137	13	215	17	232	4	300	300	30,137	14,919	5	0	0	0	0	
1	2535.24	59,775	30,137	13	266	18	284	6	291	291	30,137	14,919	5	0	0	0	0	1
2	2535.24	59,775	30,137	12	288	16	304	6	310	308	30,135	14,917	5	0	0	0	0	2
3	2535.23	59,746	30,122	14	293	17	310	5	304	286	30,102	14,884	6	0	0	0	0	3
4	2535.18	59,601	30,049	16	289	17	306	6	243	283	30,069	14,851	6	0	0	0	0	4
5	2535.17	59,572	30,034	16	292	15	307	6	302	268	30,020	14,802	6	0	0	0	0	5
6	2535.14	59,485	29,990	16	278	16	294	6	260	288	30,004	14,786	6	0	0	0	0	6
7	2535.13	59,456	29,976	20	283	18	301	5	302	291	29,979	14,761	8	0	0	0	0	7
8	2535.13	59,456	29,976	19	283	15	298	6	311	322	29,990	14,772	8	0	0	0	0	8
9	2535.16	59,543	30,020	21	277	16	293	6	352	346	30,028	14,810	8	0	0	0	0	9
10	2535.18	59,601	30,049	23	312	16	328	5	375	358	30,040	14,822	9	0	0	0	0	10
11	2535.18	59,601	30,049	25	313	15	328	6	347	379	30,072	14,854	10	0	0	0	0	11
12	2535.23	59,746	30,122	25	308	16	324	6	416	405	30,134	14,916	10	0	0	0	0	12
13	2535.30	59,949	30,224	24	314	16	330	5	451	438	30,223	15,005	10	0	0	0	0	13
14	2535.37	60,153	30,327	21	311	17	328	6	446	459	30,339	15,121	8	0	0	0	0	14
15	2535.46	60,416	30,460	22	313	17	330	6	479	469	30,462	15,244	9	0	0	0	0	15
16	2535.55	60,680	30,593	27	313	16	329	6	483	494	30,606	15,388	11	0	0	0	0	16
17	2535.67	61,033	30,771	19	313	15	328	5	520	526	30,790	15,572	7	0	0	0	0	17
18	2535.82	61,476	30,994	23	320	16	336	6	576	555	30,992	15,774	9	0	0	0	0	18
19	2535.97	61,923	31,220	20	312	16	328	6	568	562	31,212	15,994	8	0	0	0	0	19
20	2536.10	62,311	31,415	26	312	15	327	5	543	546	31,410	16,192	10	0	0	0	0	20
21	2536.22	62,671	31,597	22	308	20	328	6	526	554	31,620	16,402	8	0	0	0	0	21
22	2536.35	63,062	31,794	23	363	17	380	6	594	562	31,785	16,567	9	0	0	0	0	22
23	2536.47	63,426	31,977	21	351	16	367	5	566	550	31,952	16,734	8	0	0	0	0	23
24	2536.54	63,638	32,084	22	352	16	368	6	491	524	32,092	16,874	8	0	0	0	0	24
25	2536.63	63,912	32,222	15	352	16	368	6	515	533	32,248	17,030	6	0	0	0	0	25
26	2536.76	64,309	32,422	7	376	15	391	6	592	561	32,417	17,199	3	0	0	0	0	26
27	2536.89	64,709	32,624	17	347	16	363	5	577	574	32,616	17,398	6	0	0	0	0	27
28	2537.00	65,048	32,795	22	347	18	365	6	552	555	32,790	17,572	8	0	0	0	0	28
29	2537.11	65,388	32,966	25	332	15	347	6	537	542	32,966	17,748	9	0	0	0	0	29
30	2537.22	65,730	33,139	30	333	16	349	7	545	545	33,139	17,921	11	0	0	0	0	30
TOTAL SECOND FOOT DAYS				606	9,451	488	9,939	173	13,374	13,374	33,139	17,921	235	0	0	0	0	
TOTAL ACRE-FEET				1,202	18,746	966	19,712	342	26,527	26,527	65,730	35,546	466	0	0	0	0	

By: JWR Date: May 26, 2014

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

APRIL 2014

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT										HACIENDA WATER DISTRICT					
							FLOW						FLOW ABOVE 1ST PT. CARMEL La			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 KDWD	KDWD/ ID 4	Pioneer Canal	Via CWD	VIA RRBWSD	AT 2ND POINT	HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE	Contributed by: NKWSD	BVWSD	TRANS. LOSS	FOR KCWA	RESERVOIR LOSS	RESERVOIR STORAGE	DAY
Previous Day	300	215	17	10	12,042	0	0	0	0	0	0	0	0	3	2,877					0	0	
1	291	266	18	10	12,604	0	0	0	0	0	0	0	0	3	2,315					0	0	1
2	305	288	16	10	12,651	3	0	0	0	0	0	0	0	2	2,266					0	0	2
3	286	293	17	11	12,671	0	0	0	0	0	0	0	0	3	2,213					0	0	3
4	283	289	17	13	12,691	0	0	0	0	0	0	0	0	3	2,160					0	0	4
5	268	292	15	13	12,695	0	0	0	0	0	0	0	0	3	2,107					0	0	5
6	288	278	16	13	12,732	0	0	0	0	0	0	0	0	3	2,054					0	0	6
7	291	283	18	16	12,761	0	0	0	0	0	0	0	0	4	2,000					0	0	7
8	315	283	15	16	12,818	7	0	0	0	0	0	0	0	3	1,954					0	0	8
9	331	277	16	17	12,895	15	0	0	0	0	0	0	0	4	1,915					0	0	9
10	340	312	16	19	12,943	18	0	0	0	0	0	0	0	4	1,879					0	0	10
11	354	313	15	21	13,004	25	0	0	0	0	0	0	0	4	1,850					0	0	11
12	372	308	16	21	13,087	33	0	0	0	0	0	0	0	4	1,829					0	0	12
13	394	314	16	20	13,186	44	0	0	0	0	0	0	0	4	1,819					0	0	13
14	408	311	17	17	13,305	51	0	0	0	0	0	0	0	4	1,816					0	0	14
15	415	313	17	18	13,428	54	0	0	0	0	0	0	0	4	1,816					0	0	15
16	432	313	16	22	13,565	62	0	0	0	0	0	0	0	5	1,823					0	0	16
17	454	313	15	16	13,730	72	0	0	0	0	0	0	0	3	1,842					0	0	17
18	474	304	16	19	13,921	81	16	0	0	0	0	0	0	4	1,853					0	0	18
19	479	296	16	17	14,127	83	16	0	0	0	0	0	0	3	1,867					0	0	19
20	468	296	15	22	14,317	78	16	0	0	0	0	0	0	4	1,875					0	0	20
21	473	257	20	18	14,551	81	16	0	0	35	0	0	0	4	1,851					0	0	21
22	479	312	17	19	14,738	83	16	0	0	35	0	0	0	4	1,829					0	0	22
23	470	300	16	18	14,929	80	16	0	0	35	0	0	0	3	1,805					0	0	23
24	453	301	16	18	15,103	71	16	0	0	35	0	0	0	4	1,771					0	0	24
25	459	301	16	13	15,288	74	16	0	0	35	0	0	0	2	1,742					0	0	25
26	478	325	15	6	15,476	83	16	0	0	35	0	0	0	1	1,723					0	0	26
27	487	296	16	14	15,692	87	16	0	0	35	0	0	0	3	1,706					0	0	27
28	474	296	18	19	15,889	81	16	0	0	35	0	0	0	3	1,683					0	0	28
29	465	281	15	21	16,093	77	16	0	0	35	0	0	0	4	1,655					0	0	29
30	467	282	16	25	16,302	78	16	0	0	35	0	0	0	5	1,619					0	0	30
S.F.D.	11,953	8,893	488	502	16,302	1,421	208	0	0	350	0	0	0	104	1,619				0	0	0	S.F.D.
AC.FT.	23,708	17,639	966	996	32,335	2,819	413	0	0	694	0	0	0	206	3,211				0	0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 827,488

TOTAL ACRE-FOOT STORAGE DAYS 112,338

TOTAL ACRE-FOOT STORAGE DAYS 0

APRIL 2014

*WATERMASTER NOTES *** KERN RIVER BULLETIN*

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
April	1-30	1	RIO BRAVO WELL	Reflects well water discharge to Kern River pursuant to terms of Kern River Watermaster/Nickel Family LLC "Agreement for Transportation and Delivery of Rio Bravo Well Water" dated February 27, 2014.
April	1-30	2	BVWSD STORAGE	BVWSD/City exchange of 4,001 acre-feet into City Storage.

2014 APRIL-JULY UNIMPAIRED RUNOFF
Central Valley Streams

April-July Flows
in 1000 Acre-feet

Watershed	(1) 50-Year Average	Median Forecast as of Feb. 1	Mar. 1	Apr. 1	May 1	(2) 2013 Actual	% of Average
Sacramento River above Bend Bridge	2,485	2,070	1,800	1,630	1,210	1,433	58%
Feather River at Oroville Reservoir	1,758	1,500	1,110	970	540	754	43%
Yuba River at Smartville	996	840	630	520	320	354	36%
American River at Folsom Reservoir	1,231	980	720	600	390	477	39%
Cosumnes River at Michigan Bar	128	85	57	40	25	31	24%
Mokelumne River at Pardee Reservoir	461	410	310	260	160	198	43%
Stanislaus River at Melones Reservoir	699	630	490	420	240	290	41%
Tuolumne River at Don Pedro Reservoir	1,221	1,120	840	740	430	597	49%
Merced River at Lake McClure	636	550	360	310	175	265	42%
San Joaquin River at Millerton Lake	1,258	1,130	820	610	370	519	41%
Kings River at Pine Flat Reservoir	1,236	1,030	720	520	400	430	35%
Kaweah River at Terminus Reservoir	290	210	150	100	72	81	28%
Tule River at Success Reservoir	64	35	20	10	7	7	11%
KERN RIVER AT ISABELLA LAKE	**465**	**290**	**190**	**120**	**95**	**103**	**22%**

(1) All 50-year averages are based on data for water years 1961-2010

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

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

MAY 2014

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	RIO BRAVO WELL	CHANGE IN STORAGE+LOSS +1ST POINT REGULATED - RIO BRAVO WELL	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	2537.22	65,730	33,139	30	333	16	349	7	545	545	33,139	17,921	11	0	0	0	0	
1	2537.36	66,166	33,359	29	331	18	349	4	594	594	33,359	18,141	10	0	0	0	0	1
2	2537.50	66,606	33,581	27	350	20	370	4	615	646	33,612	18,394	10	0	0	0	0	2
3	2537.70	67,236	33,898	33	345	17	362	5	707	696	33,918	18,700	12	0	0	0	0	3
4	2537.93	67,967	34,267	29	353	18	371	3	766	740	34,261	19,043	10	0	0	0	0	4
5	2538.15	68,671	34,622	26	350	20	370	4	747	733	34,602	19,384	9	0	0	0	0	5
6	2538.34	69,283	34,930	12	354	16	370	4	686	717	34,941	19,723	4	0	0	0	0	6
7	2538.53	69,899	35,241	22	371	17	388	4	717	668	35,203	19,985	7	0	0	0	0	7
8	2538.65	70,290	35,438	23	365	19	384	4	600	617	35,417	20,199	8	0	0	0	0	8
9	2538.72	70,520	35,554	29	377	15	392	3	534	555	35,554	20,336	10	0	0	0	0	9
10	2538.79	70,749	35,669	26	375	20	395	4	532	530	35,667	20,449	9	0	0	0	0	10
11	2538.86	70,979	35,785	26	368	17	385	4	523	517	35,777	20,559	9	0	0	0	0	11
12	2538.91	71,144	35,868	29	371	17	388	4	496	506	35,870	20,652	10	0	0	0	0	12
13	2538.96	71,309	35,952	30	371	17	388	4	498	510	35,966	20,748	10	0	0	0	0	13
14	2539.03	71,540	36,068	34	369	20	389	3	536	557	36,103	20,885	11	0	0	0	0	14
15	2539.17	72,004	36,302	32	357	18	375	4	637	636	36,336	21,118	10	0	0	0	0	15
16	2539.36	72,638	36,622	38	359	23	382	4	736	739	36,659	21,441	12	0	0	0	0	16
17	2539.61	73,477	37,045	40	362	22	384	3	844	794	37,032	21,814	13	0	0	0	0	17
18	2539.84	74,256	37,437	35	358	23	381	5	803	827	37,448	22,230	11	0	0	0	0	18
19	2540.09	75,109	37,867	30	359	19	378	3	835	782	37,825	22,607	9	0	0	0	0	19
20	2540.25	75,659	38,145	22	390	21	411	4	707	729	38,125	22,907	7	0	0	0	0	20
21	2540.37	76,073	38,353	15	407	19	426	4	645	654	38,342	23,124	5	0	0	0	0	21
22	2540.49	76,489	38,563	13	371	20	391	4	610	600	38,542	23,324	4	0	0	0	0	22
23	2540.57	76,767	38,703	27	365	18	383	4	546	542	38,678	23,460	8	0	0	0	0	23
24	2540.59	76,837	38,739	37	381	19	400	3	470	516	38,760	23,542	11	0	0	0	0	24
25	2540.64	77,011	38,826	35	394	21	415	4	533	550	38,864	23,646	11	0	0	0	0	25
26	2540.75	77,396	39,021	40	395	20	415	4	646	653	39,066	23,848	12	0	0	0	0	26
27	2540.94	78,063	39,357	43	387	18	405	4	780	737	39,359	24,141	13	0	0	0	0	27
28	2541.13	78,734	39,695	43	390	19	409	4	786	790	39,701	24,483	13	0	0	0	0	28
29	2541.32	79,409	40,035	38	409	21	430	3	805	749	39,985	24,767	11	0	0	0	0	29
30	2541.43	79,803	40,234	38	398	24	422	4	655	705	40,234	25,016	11	0	0	0	0	30
31	2541.49	80,018	40,342	40	433	22	455	4	599	599	40,342	25,124	12	0	0	0	0	31
TOTAL SECOND FOOT DAYS				941	11,565	598	12,163	119	20,188	20,188	40,342	25,124	302	0	0	0	0	
TOTAL ACRE-FEET				1,866	22,939	1,185	24,124	236	40,042	40,042	80,018	49,834	599	0	0	0	0	

By: JWR

Date: June 25, 2014

MAY 2014

NORTH KERN WATER STORAGE DISTRICT

DAY	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	DAY
Previous Day	467	282	16	25	16,302	78	16	35	0	0	5	1,619	
1	500	296	18	25	16,467	94	0	35	0	0	4	1,674	1
2	536	315	20	23	16,649	110	0	35	0	0	4	1,745	2
3	570	310	17	28	16,869	126	0	35	0	0	5	1,831	3
4	600	318	18	25	17,111	140	0	35	0	0	4	1,932	4
5	595	315	20	22	17,353	138	0	35	0	0	4	2,031	5
6	584	319	16	10	17,596	133	0	35	0	0	2	2,127	6
7	551	336	17	19	17,779	117	0	35	0	0	3	2,206	7
8	516	330	19	19	17,931	101	0	35	0	0	4	2,268	8
9	474	342	15	24	18,027	81	0	35	0	0	5	2,309	9
10	457	340	20	22	18,106	73	0	35	0	0	4	2,343	10
11	448	333	17	22	18,186	69	0	35	0	0	4	2,373	11
12	440	336	17	24	18,253	66	0	35	0	0	5	2,399	12
13	443	336	17	25	18,322	67	0	35	0	0	5	2,426	13
14	475	334	20	29	18,417	82	0	35	0	0	5	2,468	14
15	529	322	18	27	18,583	107	0	35	0	0	5	2,535	15
16	599	324	23	32	18,807	140	0	35	0	0	6	2,634	16
17	637	327	22	33	19,065	157	0	35	0	0	7	2,749	17
18	659	323	23	29	19,354	168	0	35	0	0	6	2,876	18
19	629	324	19	25	19,618	153	0	35	0	0	5	2,989	19
20	593	355	21	18	19,821	136	0	35	0	0	4	3,086	20
21	541	372	19	12	19,963	113	0	35	0	0	3	3,161	21
22	505	336	20	11	20,105	95	0	35	0	0	2	3,219	22
23	465	330	18	22	20,204	77	0	35	0	0	5	3,256	23
24	447	346	19	31	20,258	69	0	35	0	0	6	3,284	24
25	470	359	21	29	20,323	80	0	35	0	0	6	3,323	25
26	541	360	20	33	20,455	112	0	35	0	0	7	3,393	26
27	598	352	18	35	20,652	139	0	35	0	0	8	3,489	27
28	634	373	19	35	20,863	156	0	17	0	0	8	3,620	28
29	606	409	21	31	21,011	143	0	0	0	0	7	3,756	29
30	576	398	24	31	21,138	129	0	0	0	0	7	3,878	30
31	504	433	22	33	21,158	95	0	0	0	0	7	3,966	31
S.F.D.	16,722	10,603	598	784	21,158	3,466	0	962	0	0	157	3,966	S.F.D.
AC.FT.	33,167	21,030	1,185	1,555	41,968	6,875	0	1,909	0	0	311	7,866	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 1,167,161

BUENA VISTA WATER STORAGE DISTRICT

TOTAL ACRE-FOOT STORAGE DAYS 169,281

HACIENDA WATER DISTRICT

DAY	ENTITLEMENT Contributed by: NKWSD	ENTITLEMENT Contributed by: BVWSD	FLOW	RESERVOIR LOSS	RESERVOIR STORAGE	DAY
Previous Day				0	0	
1				0	0	1
2				0	0	2
3				0	0	3
4				0	0	4
5				0	0	5
6				0	0	6
7				0	0	7
8				0	0	8
9				0	0	9
10				0	0	10
11				0	0	11
12				0	0	12
13				0	0	13
14				0	0	14
15				0	0	15
16				0	0	16
17				0	0	17
18				0	0	18
19				0	0	19
20				0	0	20
21				0	0	21
22				0	0	22
23				0	0	23
24				0	0	24
25				0	0	25
26				0	0	26
27				0	0	27
28				0	0	28
29				0	0	29
30				0	0	30
31				0	0	31
S.F.D.				0	0	S.F.D.
AC.FT.				0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 0

REPORT OF THE KERN RIVER WATERMASTER

MAY 2014

WATERMASTER NOTES * KERN RIVER BULLETIN**

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
May	1-31	1	RIO BRAVO WELL	Reflects well water discharge to Kern River pursuant to terms of Kern River Watermaster/Nickel Family LLC "Agreement for Transportation and Delivery of Rio Bravo Well Water" dated February 27, 2014.

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where note

JUNE 2014

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	RIO BRAVO WELL	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	2541.49	80,018	40,342	40	433	22	455	4	599	599	40,342	25,124	12	0	0	0	0	
1	2541.53	80,161	40,415	41	447	25	472	2	584	584	40,415	25,197	12	0	0	0	0	1
2	2541.55	80,232	40,450	39	463	22	485	3	556	557	40,451	25,233	11	0	0	0	0	2
3	2541.58	80,340	40,505	42	448	17	465	2	560	542	40,488	25,270	12	0	0	0	0	3
4	2541.60	80,412	40,541	42	416	18	434	3	509	523	40,538	25,320	12	0	0	0	0	4
5	2541.63	80,521	40,596	37	390	19	409	2	499	504	40,598	25,380	11	0	0	0	0	5
6	2541.65	80,593	40,632	47	405	18	423	3	503	506	40,637	25,419	13	0	0	0	0	6
7	2541.67	80,665	40,669	47	414	19	433	2	515	523	40,682	25,464	13	0	0	0	0	7
8	2541.72	80,845	40,759	43	404	17	421	3	551	517	40,738	25,520	12	0	0	0	0	8
9	2541.73	80,882	40,778	41	409	17	426	2	484	509	40,782	25,564	12	0	0	0	0	9
10	2541.73	80,882	40,778	45	433	18	451	3	493	484	40,773	25,555	13	0	0	0	0	10
11	2541.72	80,845	40,759	49	430	17	447	2	475	454	40,733	25,515	14	0	0	0	0	11
12	2541.67	80,665	40,669	46	422	19	441	3	394	412	40,661	25,443	13	0	0	0	0	12
13	2541.61	80,448	40,559	43	420	16	436	2	367	388	40,572	25,354	12	0	0	0	0	13
14	2541.57	80,304	40,487	43	417	19	436	3	404	380	40,476	25,258	12	0	0	0	0	14
15	2541.50	80,054	40,361	41	438	19	457	2	370	355	40,335	25,117	12	0	0	0	0	15
16	2541.40	79,695	40,180	40	417	18	435	3	291	307	40,170	24,952	12	0	0	0	0	16
17	2541.29	79,302	39,981	40	403	18	421	2	260	278	39,989	24,771	12	0	0	0	0	17
18	2541.19	78,947	39,802	40	408	17	425	3	283	269	39,796	24,578	12	0	0	0	0	18
19	2541.08	78,557	39,606	42	401	19	420	2	264	259	39,595	24,377	12	0	0	0	0	19
20	2540.95	78,098	39,374	43	407	16	423	3	231	239	39,371	24,153	13	0	0	0	0	20
21	2540.80	77,570	39,108	45	424	20	444	2	221	217	39,101	23,883	13	0	0	0	0	21
22	2540.64	77,011	38,826	49	418	17	435	3	199	229	38,849	23,631	15	0	0	0	0	22
23	2540.51	76,558	38,598	48	430	18	448	2	266	215	38,570	23,352	15	0	0	0	0	23
24	2540.35	76,004	38,319	48	395	18	413	3	179	207	38,319	23,101	15	0	0	0	0	24
25	2540.20	75,487	38,058	46	376	18	394	3	176	175	38,057	22,839	14	0	0	0	0	25
26	2540.06	75,006	37,816	35	363	18	381	3	171	185	37,829	22,611	11	0	0	0	0	26
27	2539.94	74,597	37,609	39	357	20	377	2	207	189	37,604	22,386	12	0	0	0	0	27
28	2539.79	74,086	37,352	42	390	18	408	3	190	190	37,347	22,129	13	0	0	0	0	28
29	2539.63	73,545	37,079	45	387	19	406	2	176	181	37,079	21,861	14	0	0	0	0	29
30	2539.49	73,074	36,841	39	374	19	393	2	192	192	36,841	21,623	12	0	0	0	0	30
TOTAL SECOND FOOT DAYS				1,287	12,306	553	12,859	75	10,570	10,570	36,841	21,623	379	0	0	0	0	
TOTAL ACRE-FEET				2,553	24,409	1,096	25,505	149	20,965	20,965	73,074	42,890	752	0	0	0	0	

By: JWR

Date: July 24, 2014

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

JUNE 2014

NORTH KERN WATER STORAGE DISTRICT

DAY	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	RESERVOIR LOSS	RESERVOIR STORAGE	ENT'L AT 2ND POINT
Previous Day	504	433	22	33	21,158	95
1	494	447	25	33	21,149	90
2	475	463	22	32	21,110	82
3	465	448	17	34	21,078	77
4	452	416	18	34	21,065	71
5	439	379	19	30	21,078	65
6	440	374	18	38	21,091	66
7	452	380	19	38	21,108	71
8	448	376	17	35	21,131	69
9	443	381	17	33	21,145	66
10	425	400	18	36	21,119	59
11	405	399	17	39	21,071	49
12	376	386	19	37	21,008	36
13	360	384	16	35	20,935	28
14	355	399	19	35	20,840	25
15	338	420	19	33	20,708	17
16	305	397	18	32	20,569	2
17	278	388	18	32	20,411	0
18	269	389	17	32	20,245	0
19	259	386	19	34	20,067	0
20	239	390	16	34	19,869	0
21	217	409	20	36	19,623	0
22	229	402	17	39	19,397	0
23	215	414	18	38	19,144	0
24	207	380	18	38	18,918	0
25	175	360	18	37	18,681	0
26	185	348	18	28	18,475	0
27	189	341	20	31	18,274	0
28	190	374	18	33	18,042	0
29	181	370	19	36	17,800	0
30	192	357	19	31	17,587	0
S.F.D.	9,697	11,757	553	1,033	17,587	873
AC.FT.	19,233	23,320	1,096	2,049	34,885	1,732

TOTAL ACRE-FOOT STORAGE DAYS 1,195,513

BUENA VISTA WATER STORAGE DISTRICT

DAY	FLOW VIA KDWD	FLOW KDWD/ ID 4	FLOW Pioneer Canal	FLOW Via CWD	FLOW VIA RRBWSD	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	7	3,966
1	0	0	0	0	0	0	0	8	4,048
2	0	0	0	0	0	0	0	7	4,123
3	0	0	0	0	0	0	0	8	4,192
4	0	0	0	0	0	0	0	8	4,255
5	0	0	0	11	0	0	0	7	4,302
6	0	0	0	31	0	0	0	9	4,328
7	0	0	0	34	0	0	0	9	4,356
8	0	0	0	28	0	0	0	8	4,389
9	0	0	0	28	0	0	0	8	4,419
10	0	0	0	33	0	0	0	9	4,436
11	0	0	0	31	0	0	0	10	4,444
12	0	0	0	36	0	0	0	9	4,435
13	0	0	0	36	0	0	0	8	4,419
14	0	0	0	18	0	0	0	8	4,418
15	0	0	0	18	0	0	0	8	4,409
16	0	0	0	20	0	0	0	8	4,383
17	0	0	0	15	0	0	0	8	4,360
18	0	0	0	19	0	0	0	8	4,333
19	0	0	0	15	0	0	0	8	4,310
20	0	0	0	17	0	0	0	9	4,284
21	0	0	0	15	0	0	0	9	4,260
22	0	0	0	16	0	0	0	10	4,234
23	0	0	0	16	0	0	0	10	4,208
24	0	0	0	15	0	0	0	10	4,183
25	0	0	0	16	0	0	0	9	4,158
26	0	0	0	15	0	0	0	7	4,136
27	0	0	0	16	0	0	0	8	4,112
28	0	0	0	16	0	0	0	9	4,087
29	0	0	0	17	0	0	0	9	4,061
30	0	0	0	17	0	0	0	8	4,036
S.F.D.	0	0	0	549	0	0	0	254	4,036
AC.FT.	0	0	0	1,089	0	0	0	504	8,005

TOTAL ACRE-FOOT STORAGE DAYS 254,118

HACIENDA WATER DISTRICT

DAY	ENTITLEMENT Contributed by: NKWSD	ENTITLEMENT Contributed by: BVWSD	FLOW TRANS. LOSS	FLOW FOR KCWA	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day					0	0
1					0	0
2					0	0
3					0	0
4					0	0
5					0	0
6					0	0
7					0	0
8					0	0
9					0	0
10					0	0
11					0	0
12					0	0
13					0	0
14					0	0
15					0	0
16					0	0
17					0	0
18					0	0
19					0	0
20					0	0
21					0	0
22					0	0
23					0	0
24					0	0
25					0	0
26					0	0
27					0	0
28					0	0
29					0	0
30					0	0
S.F.D.			0	0	0	0
AC.FT.			0	0	0	0

TOTAL ACRE-FOOT STORAGE DAYS 0

JUNE 2014

*WATERMASTER NOTES *** KERN RIVER BULLETIN*

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
June	1-30	1	RIO BRAVO WELL	Reflects well water discharge to Kern River pursuant to terms of Kern River Watermaster/Nickel Family LLC "Agreement for Transportation and Delivery of Rio Bravo Well Water" dated February 27, 2014. Water distributed to KCWA, (June 1-3) and Cawelo WD, (June 4-30).

MONTHLY AVERAGES for BAKERSFIELD, CALIFORNIA

Month	Average High (°F)	Average Low (°F)	Mean (°F)	Average Precipitation	Record High (°F)	Record Low (°F)
Jan	67°	41°	54°	1.16 in.	82° (2012)	12° (1908)
Feb	68°	46°	57°	1.24 in.	88° (1902)	20° (1901)
Mar	75°	50°	62°	1.21 in.	94° (2004)	20° (1917)
Apr	80°	54°	67°	0.52 in.	101° (1981)	28° (1893)
May	87°	61°	74°	0.18 in.	110° (1910)	34° (1907)
Jun	96°	67°	82°	0.08 in.	114° (1976)	38° (1914)
Jul	101°	74°	88°	0.00 in.	118° (1908)	32° (1899)
Aug	96°	69°	83°	0.04 in.	117° (1933)	44° (1903)
Sep	89°	64°	77°	0.08 in.	112° (1955)	30° (1908)
Oct	79°	52°	66°	0.30 in.	104° (1933)	29° (1971)
Nov	70°	47°	58°	0.64 in.	95° (1921)	22° (1931)
Dec	60°	35°	48°	1.02 in.	87° (1915)	13° (1905)

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

JULY 2014

DAY	ISABELLA RESERVOIR ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET	MIDNIGHT STORAGE S.F.D.	LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	RIO BRAVO WELL	CHANGE IN STORAGE+LOSS +1ST POINT REGULATED - RIO BRAVO WELL	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	2539.49	73,074	36,841	39	374	19	393	2	192	192	36,841	21,623	12	0	0	0	0	
1	2539.36	72,638	36,622	41	334	19	353	3	172	172	36,622	21,404	13	0	0	0	0	1
2	2539.21	72,137	36,369	46	342	18	360	3	150	154	36,373	21,155	15	0	0	0	0	2
3	2539.06	71,639	36,118	46	353	16	369	3	161	140	36,101	20,883	15	0	0	0	0	3
4	2538.86	70,979	35,785	41	385	18	403	3	108	137	35,797	20,579	14	0	0	0	0	4
5	2538.67	70,356	35,471	49	391	20	411	3	143	128	35,468	20,250	16	0	0	0	0	5
6	2538.48	69,737	35,159	40	393	15	408	3	133	151	35,174	19,956	13	0	0	0	0	6
7	2538.34	69,283	34,930	42	344	20	364	0	177	145	34,913	19,695	14	0	0	0	0	7
8	2538.20	68,832	34,703	42	290	20	310	0	125	152	34,713	19,495	14	0	0	0	0	8
9	2538.07	68,414	34,492	48	300	17	317	0	154	136	34,484	19,266	17	0	0	0	0	9
10	2537.93	67,967	34,267	45	290	20	310	0	130	121	34,250	19,032	16	0	0	0	0	10
11	2537.76	67,426	33,994	42	290	20	310	0	79	96	33,994	18,776	15	0	0	0	0	11
12	2537.58	66,857	33,707	34	314	17	331	0	78	95	33,724	18,506	12	0	0	0	0	12
13	2537.43	66,386	33,470	38	307	21	328	0	129	117	33,475	18,257	14	0	0	0	0	13
14	2537.32	66,041	33,296	26	272	21	293	0	145	111	33,267	18,049	9	0	0	0	0	14
15	2537.09	65,326	32,935	36	364	21	385	0	60	99	32,945	17,727	13	0	0	0	0	15
16	2536.85	64,585	32,562	39	404	22	426	0	92	84	32,564	17,346	14	0	0	0	0	16
17	2536.64	63,943	32,238	37	362	21	383	0	96	97	32,241	17,023	14	0	0	0	0	17
18	2536.47	63,426	31,977	34	312	19	331	0	104	110	31,986	16,768	13	0	0	0	0	18
19	2536.31	62,941	31,733	25	329	21	350	0	131	106	31,717	16,499	9	0	0	0	0	19
20	2536.11	62,341	31,430	30	335	21	356	0	83	112	31,443	16,225	12	0	0	0	0	20
21	2535.94	61,833	31,174	35	325	19	344	0	123	120	31,184	15,966	14	0	0	0	0	21
22	2535.82	61,476	30,994	36	276	21	297	0	153	119	30,970	15,752	14	0	0	0	0	22
23	2535.66	61,004	30,756	38	261	21	282	0	82	122	30,772	15,554	15	0	0	0	0	23
24	2535.55	60,680	30,593	34	239	20	259	0	130	100	30,579	15,361	13	0	0	0	0	24
25	2535.44	60,358	30,431	36	192	20	212	0	86	92	30,423	15,205	14	0	0	0	0	25
26	2535.32	60,007	30,254	36	182	20	202	0	61	78	30,263	15,045	14	0	0	0	0	26
27	2535.22	59,717	30,107	37	178	19	197	0	87	74	30,103	14,885	15	0	0	0	0	27
28	2535.15	59,514	30,005	17	139	19	158	0	73	81	30,009	14,791	7	0	0	0	0	28
29	2535.08	59,311	29,903	31	134	20	154	0	83	87	29,911	14,693	13	0	0	0	0	29
30	2535.01	59,109	29,801	40	148	20	168	0	106	98	29,801	14,583	16	0	0	0	0	30
31	2534.95	58,937	29,714	34	135	21	156	0	103	103	29,714	14,496	14	0	0	0	0	31
TOTAL SECOND FOOT DAYS				1,155	8,920	607	9,527	18	3,537	3,537	29,714	14,496	421	0	0	0	0	
TOTAL ACRE-FEET				2,291	17,693	1,205	18,898	36	7,016	7,016	58,937	28,753	835	0	0	0	0	

By: JWR

Date: August 26, 2014

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where not

JULY 2014

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	192	357	19	31	17,587
1	172	298	19	33	17,412
2	154	297	18	36	17,218
3	140	317	16	36	16,992
4	137	347	18	32	16,735
5	128	354	20	39	16,453
6	151	356	15	32	16,204
7	145	308	20	33	15,988
8	152	245	20	33	15,842
9	136	218	17	38	15,705
10	121	203	20	36	15,567
11	96	210	20	33	15,400
12	95	194	17	27	15,257
13	117	188	21	30	15,135
14	111	194	21	21	15,010
15	99	267	21	29	14,792
16	84	310	22	31	14,513
17	97	309	21	30	14,250
18	110	256	19	27	14,058
19	106	237	21	20	13,886
20	112	247	21	24	13,706
21	120	214	19	28	13,565
22	119	150	21	29	13,484
23	122	143	21	31	13,411
24	100	120	20	28	13,343
25	92	113	20	30	13,272
26	78	127	20	30	13,173
27	74	124	19	31	13,073
28	81	122	19	14	12,999
29	87	91	20	26	12,949
30	98	80	20	33	12,914
31	103	77	21	28	12,891
S.F.D.	3,537	6,716	607	928	12,891
AC.FT.	7,016	13,322	1,205	1,840	25,570

TOTAL ACRE-FOOT STORAGE DAYS 902,870

BUENA VISTA WATER STORAGE DISTRICT

DAY	ENT'L AT 2ND POINT	FLOW VIA KDWD	FLOW HMWD/ KDWD	FLOW VIA CWD	FLOW AT 2ND POINT	FLOW ABOVE 1ST PT. CARMEL La HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day	0	0	0	17	0	0	8	4,036
1	0	0	0	36	0	0	8	3,992
2	0	0	0	45	0	0	10	3,937
3	0	0	0	36	0	0	10	3,891
4	0	0	0	38	0	0	9	3,844
5	0	0	0	37	0	0	10	3,797
6	0	0	0	37	0	0	8	3,752
7	0	0	0	36	0	0	9	3,707
8	0	0	0	45	0	0	9	3,653
9	0	0	0	82	0	0	10	3,561
10	0	0	0	87	0	0	9	3,465
11	0	0	0	80	0	0	9	3,376
12	0	0	39	81	0	0	7	3,249
13	0	0	38	81	0	0	8	3,122
14	0	0	39	39	0	0	5	3,039
15	0	16	38	43	0	0	7	2,935
16	0	16	39	39	0	0	8	2,833
17	0	15	0	38	0	0	7	2,773
18	0	17	0	39	0	0	7	2,710
19	0	16	38	38	0	0	5	2,613
20	0	12	39	37	0	0	6	2,519
21	0	35	39	37	0	0	7	2,401
22	0	48	39	39	0	0	7	2,268
23	0	42	39	37	0	0	7	2,143
24	0	41	39	39	0	0	6	2,018
25	0	39	3	37	0	0	6	1,933
26	0	18	0	37	0	0	6	1,872
27	0	16	0	38	0	0	6	1,812
28	0	0	0	17	0	0	3	1,792
29	0	0	25	18	0	0	5	1,744
30	0	5	17	46	0	0	7	1,669
31	0	20	0	38	0	0	6	1,605
S.F.D.	0	356	471	1,377	0	0	227	1,605
AC.FT.	0	706	934	2,731	0	0	451	3,183

TOTAL ACRE-FOOT STORAGE DAYS 174,595

HACIENDA WATER DISTRICT

DAY	ENTITLEMENT Contributed by: NKWSD	ENTITLEMENT Contributed by: BVWSD	FLOW	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day				0	0
1				0	0
2				0	0
3				0	0
4				0	0
5				0	0
6				0	0
7				0	0
8				0	0
9				0	0
10				0	0
11				0	0
12				0	0
13				0	0
14				0	0
15				0	0
16				0	0
17				0	0
18				0	0
19				0	0
20				0	0
21				0	0
22				0	0
23				0	0
24				0	0
25				0	0
26				0	0
27				0	0
28				0	0
29				0	0
30				0	0
31				0	0
S.F.D.				0	0
AC.FT.				0	0

TOTAL ACRE-FOOT STORAGE DAYS 0

JULY 2014

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
July	1-6	1	RIO BRAVO WELL	Reflects well water discharge to Kern River pursuant to terms of Kern River Watermaster/Nickel Family LLC "Agreement for Transportation and Delivery of Rio Bravo Well Water" dated February 27, 2014.

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

Acre-foot Quantities in Order of Magnitude

Year: 2014

YEAR	APR	MAY	JUN	JUL	TOTAL	% OF AVERAGE
1961	24,137	29,980	24,305	8,952	87,374	19%
1924	28,540	41,722	14,069	8,225	92,556	20%
2014	**26,527**	**40,042**	**20,965**	**7,016**	**94,550**	**21%**
1977	23,391	25,630	35,655	10,973	95,649	21%
1931	23,440	41,667	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	38,800	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	12,353	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	48,489	67,224	56,223	21,068	191,004	41%
1928	37,757	78,885	60,344	16,716	193,702	42%
1900	28,102	68,295	76,366	24,125	196,888	43%
1949	50,517	84,508	57,685	17,201	209,911	46%
1987	55,236	75,108	56,146	24,918	211,408	46%
1913	42,494	73,561	60,738	34,929	211,722	46%
1899	53,133	51,353	79,178	30,046	213,710	46%
2002	58,838	68,991	63,775	22,703	215,307	47%
1929	39,084	85,995	63,487	30,988	219,532	48%
1965	68,779	82,336	45,431	23,347	219,893	48%
2004	64,197	78,343	56,378	23,084	222,002	48%
1955	37,567	69,544	86,860	31,014	224,785	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	81,380	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	66,817	25,530	252,581	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	79,365	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	71%
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	81,644	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	85%
1948	109,858	155,476	85,880	39,733	390,747	85%
1903	74,315	132,097	139,222	53,355	398,989	87%
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	196,466	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	168,404	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	122%
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	130%
1996	147,959	225,987	154,883	70,502	599,331	130%
1922	84,407	242,256	202,395	88,649	617,710	134%
1897	173,393	261,639	137,393	61,837	654,262	142%
1907	197,720	196,950	183,995	97,083	678,748	147%
1914	144,934	210,678	201,064	128,336	685,012	149%
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	173%
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%
1967	99,509	269,631	311,063	243,802	924,005	200%
1995	143,244	255,046	293,129	237,802	929,221	202%
2011	231,304	261,005	274,675	175,874	942,858	205%
1938	223,928	315,044	291,880	130,917	961,769	209%
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	222,833	434,769	302,557	159,856	1,119,815	243%
1998	189,863	308,440	371,835	267,435	1,137,373	247%
1909	247,402	382,617	394,066	194,870	1,218,975	264%
1906	173,143	360,234	458,418	399,841	1,391,636	302%
1983	206,473	476,825	571,846	288,866	1,545,810	335%
1918	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	23,391	25,630	14,069	7,016	87,374	
AVERAGE	98,245	154,718	136,925	71,129	461,018	

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

AUGUST 2014

	ISABELLA RESERVOIR										MEAN STORAGE						
	ELEVATION	MIDNIGHT STORAGE			FLOW AT 1ST	FLOW ABOVE	FIRST POINT REGULATED	RIO BRAVO	CHANGE IN STORAGE+LOSS +1ST POINT REGULATED - RIO BRAVO	COMPUTED 1ST POINT NATURAL	Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)		KERN COUNTY RECREATION	TOTAL FLOW AT SECOND	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN	
DAY	(FEET)	ACRE-FEET	S.F.D.	LOSS	POINT	1ST POINT	FLOW	WELL	WELL	FLOW	TOTAL	IRRIGATION	POOL LOSS	POINT	KERN RIVER	FRIANT-KERN	INFLOW	DAY
Previous Day	2534.95	58,937	29,714	34	135	21	156	0	103	103	29,714	14,496	14	0	0	0	0	
1	2534.92	58,850	29,670	36	161	19	180	0	172	172	29,670	14,452	15	0	0	0	0	1
2	2534.86	58,678	29,584	27	202	18	220	0	161	173	29,596	14,378	11	0	0	0	0	2
3	2534.83	58,592	29,540	14	209	19	228	0	198	216	29,570	14,352	6	0	0	0	0	3
4	2534.82	58,563	29,526	28	255	20	275	0	289	259	29,526	14,308	11	0	0	0	0	4
5	2534.93	58,879	29,685	34	234	19	253	0	446	446	29,685	14,467	14	0	0	0	0	5
6	2534.95	58,937	29,714	33	259	21	280	0	342	342	29,714	14,496	13	0	0	0	0	6
7	2534.84	58,621	29,555	32	402	19	421	0	294	294	29,555	14,337	13	0	0	0	0	7
8	2534.74	58,335	29,411	34	399	17	416	0	306	306	29,411	14,193	14	0	0	0	0	8
9	2534.62	57,993	29,238	35	346	19	365	0	227	222	29,233	14,015	15	0	0	0	0	9
10	2534.49	57,625	29,053	34	344	18	362	0	211	222	29,059	13,841	14	0	0	0	0	10
11	2534.38	57,314	28,896	25	339	20	359	0	227	223	28,898	13,680	11	0	0	0	0	11
12	2534.31	57,117	28,797	34	278	19	297	0	232	229	28,796	13,578	14	0	0	0	0	12
13	2534.38	57,314	28,896	36	235	19	254	0	389	389	28,895	13,677	15	0	0	0	0	13
14	2534.35	57,230	28,853	35	249	18	267	0	259	261	28,854	13,636	15	0	0	0	0	14
15	2534.25	56,949	28,712	36	352	18	370	0	265	253	28,701	13,483	15	0	0	0	0	15
16	2534.14	56,641	28,557	35	335	20	355	0	235	241	28,552	13,334	15	0	0	0	0	16
17	2534.03	56,334	28,402	35	327	17	344	0	224	222	28,395	13,177	15	0	0	0	0	17
18	2533.92	56,030	28,248	38	304	18	322	0	206	197	28,232	13,014	16	0	0	0	0	18
19	2533.82	55,753	28,109	36	242	21	263	0	160	177	28,110	12,892	16	0	0	0	0	19
20	2533.75	55,560	28,012	32	214	17	231	0	166	159	28,006	12,788	14	0	0	0	0	20
21	2533.70	55,423	27,942	30	171	20	191	0	151	150	27,935	12,717	13	0	0	0	0	21
22	2533.64	55,258	27,859	32	164	19	183	0	132	141	27,861	12,643	14	0	0	0	0	22
23	2533.60	55,148	27,804	34	145	17	162	0	141	134	27,799	12,581	15	0	0	0	0	23
24	2533.50	55,011	27,735	31	147	19	166	0	128	126	27,728	12,510	14	0	0	0	0	24
25	2533.49	54,848	27,653	35	137	18	155	0	108	112	27,650	12,432	16	0	0	0	0	25
26	2533.43	54,684	27,570	32	130	20	150	0	99	107	27,575	12,357	14	0	0	0	0	26
27	2533.38	54,548	27,501	30	132	19	151	0	112	109	27,503	12,285	13	0	0	0	0	27
28	2533.33	54,412	27,433	31	136	18	154	0	117	106	27,424	12,206	14	0	0	0	0	28
29	2533.26	54,223	27,337	32	134	18	152	0	88	93	27,333	12,115	14	0	0	0	0	29
30	2533.16	53,953	27,201	42	152	17	169	0	75	79	27,201	11,983	19	0	0	0	0	30
31	2533.09	53,764	27,106	40	157	18	175	0	120	120	27,106	11,888	18	0	0	0	0	31
TOTAL SECOND FOOT DAYS				1,018	7,291	579	7,870	0	6,280	6,280	27,106	11,888	436	0	0	0	0	
TOTAL ACRE-FEET				2,019	14,461	1,149	15,610	0	12,456	12,456	53,764	23,580	865	0	0	0	0	

By: JWR

Date: September 23, 2014

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

AUGUST 2014

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	103	77	21	28	12,891
1	172	93	19	30	12,921
2	173	123	18	23	12,930
3	216	125	19	12	12,990
4	259	176	20	24	13,029
5	400	218	19	29	13,163
6	329	244	21	28	13,199
7	294	366	19	27	13,081
8	304	363	17	29	12,976
9	222	330	19	30	12,819
10	222	329	18	29	12,665
11	223	320	20	21	12,527
12	229	259	19	29	12,449
13	361	211	19	31	12,549
14	261	225	18	30	12,537
15	253	327	18	31	12,414
16	241	307	20	30	12,298
17	222	299	17	30	12,174
18	197	277	18	32	12,044
19	177	242	21	31	11,927
20	159	200	17	27	11,842
21	150	162	20	25	11,785
22	141	160	19	27	11,720
23	134	144	17	29	11,664
24	126	141	19	26	11,604
25	112	132	18	30	11,536
26	107	126	20	27	11,470
27	109	129	19	26	11,405
28	106	127	18	26	11,340
29	93	125	18	27	11,263
30	79	125	17	36	11,164
31	120	123	18	34	11,109
S.F.D.	6,191	6,528	579	866	11,109
AC.FT.	12,279	12,948	1,149	1,717	22,035

TOTAL ACRE-FOOT STORAGE DAYS 750,930

BUENA VISTA WATER STORAGE DISTRICT

DAY	ENT'L AT 2ND POINT	FLOW VIA KDWD	FLOW HMWD/ KDWD	FLOW VIA CWD	FLOW AT 2ND POINT	FLOW ABOVE 1ST PT. CARMEL La HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day	0	20	0	38	0	0	6	1,605
1	0	2	30	36	0	0	6	1,531
2	0	0	43	36	0	0	4	1,448
3	0	0	43	41	0	0	2	1,362
4	0	0	43	36	0	0	4	1,279
5	46	0	0	16	0	0	5	1,304
6	13	0	0	15	0	0	5	1,297
7	0	0	0	36	0	0	5	1,256
8	2	0	0	36	0	0	5	1,217
9	0	0	0	16	0	0	5	1,196
10	0	0	0	15	0	0	5	1,176
11	0	4	0	15	0	0	4	1,153
12	0	4	0	15	0	0	5	1,129
13	28	5	0	19	0	0	5	1,128
14	0	0	0	24	0	0	5	1,099
15	0	0	0	25	0	0	5	1,069
16	0	4	0	24	0	0	5	1,036
17	0	4	0	24	0	0	5	1,003
18	0	4	0	23	0	0	6	970
19	0	0	0	0	0	0	5	965
20	0	4	0	10	0	0	5	946
21	0	0	0	9	0	0	5	932
22	0	3	0	1	0	0	5	923
23	0	0	0	1	0	0	5	917
24	0	6	0	0	0	0	5	906
25	0	5	0	0	0	0	5	896
26	0	4	0	0	0	0	5	887
27	0	3	0	0	0	0	4	880
28	0	9	0	0	0	0	5	866
29	0	9	0	0	0	0	5	852
30	0	12	0	15	0	0	6	819
31	0	19	0	15	0	0	6	779
S.F.D.	89	101	159	503	0	0	152	779
AC.FT.	177	200	315	998	0	0	302	1,545

TOTAL ACRE-FOOT STORAGE DAYS 65,893

HACIENDA WATER DISTRICT

DAY	ENTITLEMENT Contributed by: NKWSD	ENTITLEMENT Contributed by: BVWSD	FLOW	RESERVOIR LOSS	RESERVOIR STORAGE
				0	0
1				0	0
2				0	0
3				0	0
4				0	0
5				0	0
6				0	0
7				0	0
8				0	0
9				0	0
10				0	0
11				0	0
12				0	0
13				0	0
14				0	0
15				0	0
16				0	0
17				0	0
18				0	0
19				0	0
20				0	0
21				0	0
22				0	0
23				0	0
24				0	0
25				0	0
26				0	0
27				0	0
28				0	0
29				0	0
30				0	0
31				0	0
S.F.D.				0	0
AC.FT.				0	0

TOTAL ACRE-FOOT STORAGE DAYS 0

AUGUST 2014

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
August	None			

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

SEPTEMBER 2014

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	2533.09	53,764	27,106	40	157	18	175	120	120	27,106	11,888	18	0	0	0	0	
1	2533.03	53,603	27,025	35	140	18	158	112	112	27,025	11,807	16	0	0	0	0	1
2	2532.98	53,469	26,957	31	113	18	131	94	91	26,954	11,736	14	0	0	0	0	2
3	2532.92	53,309	26,877	34	113	19	132	86	85	26,873	11,655	16	0	0	0	0	3
4	2532.81	53,015	26,728	30	178	16	194	75	85	26,734	11,516	14	0	0	0	0	4
5	2532.71	52,750	26,595	31	177	18	195	93	88	26,596	11,378	14	0	0	0	0	5
6	2532.62	52,512	26,475	30	169	17	186	96	86	26,466	11,248	14	0	0	0	0	6
7	2532.56	52,353	26,395	30	104	16	120	70	78	26,394	11,176	14	0	0	0	0	7
8	2532.51	52,222	26,329	26	90	18	108	68	67	26,327	11,109	12	0	0	0	0	8
9	2532.45	52,064	26,249	31	97	16	113	64	80	26,263	11,045	15	0	0	0	0	9
10	2532.43	52,012	26,223	30	87	18	105	109	87	26,215	10,997	15	0	0	0	0	10
11	2532.40	51,933	26,183	29	83	17	100	89	99	26,185	10,967	14	0	0	0	0	11
12	2532.37	51,854	26,143	28	94	17	111	99	97	26,143	10,925	13	0	0	0	0	12
13	2532.34	51,776	26,104	28	97	17	114	103	100	26,101	10,883	13	0	0	0	0	13
14	2532.30	51,671	26,051	28	105	17	122	97	100	26,051	10,833	13	0	0	0	0	14
15	2532.26	51,567	25,998	29	105	18	123	99	96	25,995	10,777	14	0	0	0	0	15
16	2532.21	51,437	25,933	26	114	17	131	92	94	25,932	10,714	12	0	0	0	0	16
17	2532.16	51,307	25,867	28	114	16	130	92	89	25,863	10,645	13	0	0	0	0	17
18	2532.10	51,151	25,789	31	112	18	130	83	85	25,787	10,569	15	0	0	0	0	18
19	2532.05	51,022	25,724	24	103	17	120	79	82	25,725	10,507	12	0	0	0	0	19
20	2532.02	50,944	25,684	24	83	18	101	85	81	25,681	10,463	12	0	0	0	0	20
21	2531.99	50,867	25,645	25	76	16	92	78	80	25,644	10,426	12	0	0	0	0	21
22	2531.96	50,790	25,607	24	74	17	91	77	83	25,612	10,394	12	0	0	0	0	22
23	2531.95	50,764	25,594	24	66	17	83	94	87	25,592	10,374	12	0	0	0	0	23
24	2531.93	50,712	25,567	26	74	16	90	89	82	25,558	10,340	13	0	0	0	0	24
25	2531.89	50,609	25,515	24	75	16	91	63	74	25,517	10,299	12	0	0	0	0	25
26	2531.85	50,506	25,463	20	84	17	101	69	64	25,460	10,242	10	0	0	0	0	26
27	2531.81	50,404	25,412	11	85	16	101	61	67	25,415	10,197	5	0	0	0	0	27
28	2531.78	50,327	25,373	15	77	17	94	70	70	25,376	10,158	7	0	0	0	0	28
29	2531.76	50,275	25,347	21	69	15	84	79	76	25,347	10,129	10	0	0	0	0	29
30	2531.74	50,225	25,322	19	70	17	87	81	81	25,322	10,104	9	0	0	0	0	30
TOTAL SECOND FOOT DAYS				792	3,028	510	3,538	2,546	2,546	25,322	10,104	377	0	0	0	0	
TOTAL ACRE-FEET				1,571	6,006	1,012	7,018	5,050	5,050	50,225	20,041	748	0	0	0	0	

By: JWR Date: October 22, 2014

SEPTEMBER 2014

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT							HACIENDA WATER DISTRICT					
										FLOW ABOVE 1ST PT. CARMEL								
	ENT'L	FLOW	FLOW ABOVE	RESERVOIR		ENT'L	FLOW			La	RESERVOIR		ENTITLEMENT		FLOW	RESERVOIR		
													Contributed by:					
DAY	AT 1ST POINT	AT 1ST POINT	1ST POINT	LOSS	STORAGE	AT 1ST POINT	VIA KDWD	VIA CWD	AT 2ND POINT	HACIENDA INC.	LOSS	STORAGE	NKWSD	BVWSD		LOSS	STORAGE	DAY
Previous Day	120	123	18	34	11,109	0	19	15	0	0	6	779				0	0	
1	112	98	18	30	11,075	0	22	20	0	0	5	732				0	0	1
2	91	96	18	26	11,026	0	0	17	0	0	5	710				0	0	2
3	85	94	19	29	10,969	0	0	19	0	0	5	686				0	0	3
4	85	90	16	26	10,922	0	0	88	0	0	4	594				0	0	4
5	88	139	18	27	10,826	0	0	38	0	0	4	552				0	0	5
6	86	169	17	26	10,700	0	0	0	0	0	4	548				0	0	6
7	78	104	16	26	10,632	0	0	0	0	0	4	544				0	0	7
8	67	90	18	22	10,569	0	0	0	0	0	4	540				0	0	8
9	80	97	16	26	10,510	0	0	0	0	0	5	535				0	0	9
10	87	87	18	26	10,466	0	0	0	0	0	4	531				0	0	10
11	99	83	17	25	10,440	0	0	0	0	0	4	527				0	0	11
12	97	94	17	24	10,402	0	0	0	0	0	4	523				0	0	12
13	100	97	17	24	10,364	0	0	0	0	0	4	519				0	0	13
14	100	105	17	24	10,318	0	0	0	0	0	4	515				0	0	14
15	96	105	18	25	10,266	0	0	0	0	0	4	511				0	0	15
16	94	114	17	22	10,207	0	0	0	0	0	4	507				0	0	16
17	89	114	16	24	10,142	0	0	0	0	0	4	503				0	0	17
18	85	112	18	26	10,071	0	0	0	0	0	5	498				0	0	18
19	82	103	17	20	10,013	0	0	0	0	0	4	494				0	0	19
20	81	83	18	20	9,973	0	0	0	0	0	4	490				0	0	20
21	80	76	16	21	9,940	0	0	0	0	0	4	486				0	0	21
22	83	74	17	20	9,912	0	0	0	0	0	4	482				0	0	22
23	87	66	17	20	9,896	0	0	0	0	0	4	478				0	0	23
24	82	74	16	22	9,866	0	0	0	0	0	4	474				0	0	24
25	74	75	16	20	9,829	0	0	0	0	0	4	470				0	0	25
26	64	84	17	17	9,775	0	0	0	0	0	3	467				0	0	26
27	67	85	16	9	9,732	0	0	0	0	0	2	465				0	0	27
28	70	77	17	13	9,695	0	0	0	0	0	2	463				0	0	28
29	76	69	15	18	9,669	0	0	0	0	0	3	460				0	0	29
30	81	70	17	16	9,647	0	0	0	0	0	3	457				0	0	30
S.F.D.	2,546	2,824	510	674	9,647	0	22	182	0	0	118	457				0	0	S.F.D.
AC.FT.	5,050	5,601	1,012	1,337	19,135	0	44	361	0	0	234	906				0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS 610,616

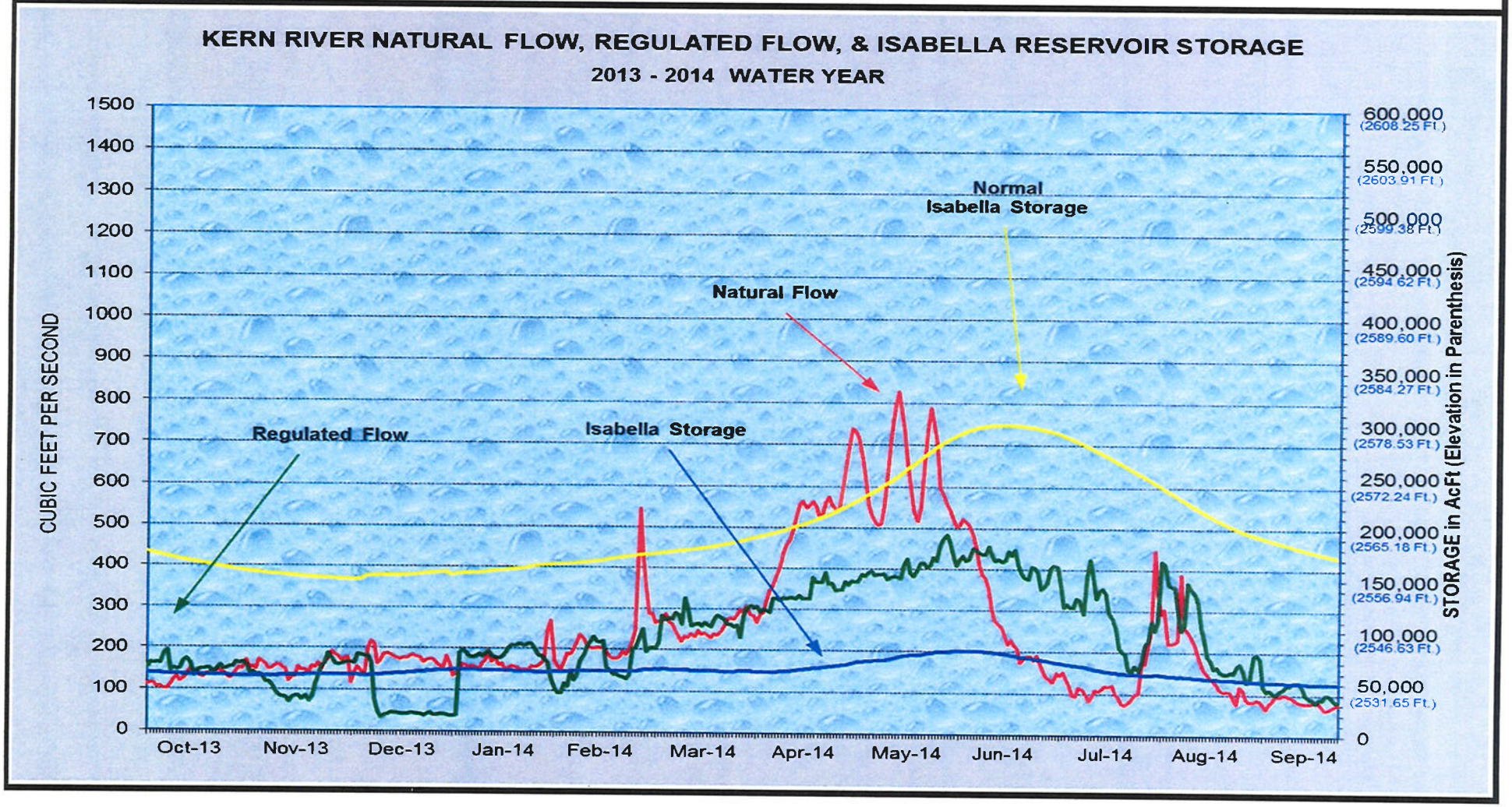
TOTAL ACRE-FOOT STORAGE DAYS 31,261

TOTAL ACRE-FOOT STORAGE DAYS 0

SEPTEMBER 2014

*WATERMASTER NOTES *** KERN RIVER BULLETIN*

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
September				None



REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

OCTOBER 2014

DAY	ISABELLA RESERVOIR ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET	MIDNIGHT STORAGE S.F.D.	LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS +1ST POINT REGULATED FLOW	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) TOTAL	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT) IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT KERN RIVER	SECOND POINT GROUP FLOW AT 2ND POINT FRIANT-KERN	FRIANT-KERN INFLOW	DAY
Previous Day	2531.74	50,225	25,322	19	70	17	87	81	81	25,322	10,104	9	0	0	0	0	
1	2531.74	50,225	25,322	23	72	15	87	110	110	25,322	10,104	11	0	0	0	0	1
2	2531.75	50,250	25,334	23	80	16	96	131	122	25,325	10,107	11	0	0	0	0	2
3	2531.73	50,199	25,309	26	86	17	103	104	111	25,307	10,089	13	0	0	0	0	3
4	2531.69	50,097	25,257	17	117	15	132	97	104	25,262	10,044	8	0	0	0	0	4
5	2531.66	50,020	25,218	23	114	14	128	112	100	25,211	9,993	11	0	0	0	0	5
6	2531.62	49,918	25,167	24	102	15	117	90	97	25,167	9,949	12	0	0	0	0	6
7	2531.58	49,817	25,116	23	99	18	117	89	84	25,111	9,893	11	0	0	0	0	7
8	2531.53	49,689	25,052	22	99	15	114	72	82	25,057	9,839	11	0	0	0	0	8
9	2531.49	49,589	25,001	30	91	15	106	85	76	24,997	9,779	15	0	0	0	0	9
10	2531.45	49,487	24,950	24	83	16	99	72	75	24,949	9,731	12	0	0	0	0	10
11	2531.42	49,411	24,911	20	74	14	88	69	77	24,918	9,700	10	0	0	0	0	11
12	2531.41	49,386	24,899	23	65	14	79	90	93	24,909	9,691	11	0	0	0	0	12
13	2531.42	49,411	24,911	22	68	17	85	119	97	24,899	9,681	11	0	0	0	0	13
14	2531.39	49,336	24,874	24	79	16	95	82	86	24,866	9,648	12	0	0	0	0	14
15	2531.33	49,184	24,797	23	97	15	112	58	76	24,807	9,589	12	0	0	0	0	15
16	2531.30	49,109	24,759	18	91	17	108	88	78	24,759	9,541	9	0	0	0	0	16
17	2531.28	49,058	24,733	16	83	15	98	88	88	24,733	9,515	8	0	0	0	0	17
18	2531.26	49,008	24,708	16	83	15	98	89	89	24,708	9,490	8	0	0	0	0	18
19	2531.24	48,958	24,683	17	82	17	99	91	87	24,679	9,461	9	0	0	0	0	19
20	2531.21	48,883	24,645	17	88	15	103	82	72	24,631	9,413	9	0	0	0	0	20
21	2531.11	48,633	24,519	15	137	16	153	42	78	24,541	9,323	8	0	0	0	0	21
22	2530.97	48,284	24,343	14	255	17	272	110	90	24,345	9,127	7	0	0	0	0	22
23	2530.84	47,962	24,181	17	246	16	262	117	111	24,177	8,959	9	0	0	0	0	23
24	2530.71	47,642	24,020	19	232	16	248	106	99	24,009	8,791	10	0	0	0	0	24
25	2530.57	47,298	23,846	17	215	15	230	73	93	23,855	8,637	9	0	0	0	0	25
26	2530.44	46,981	23,686	17	228	15	243	100	95	23,690	8,472	9	0	0	0	0	26
27	2530.32	46,689	23,539	14	230	14	244	111	102	23,534	8,316	7	0	0	0	0	27
28	2530.18	46,351	23,369	14	234	16	250	94	106	23,376	8,158	8	0	0	0	0	28
29	2530.02	45,966	23,175	15	280	15	295	116	107	23,173	7,955	8	0	0	0	0	29
30	2529.86	45,585	22,982	16	273	15	288	111	113	22,982	7,764	9	0	0	0	0	30
31	2529.79	45,418	22,898	11	265	15	280	207	207	22,898	7,680	6	0	0	0	0	31
TOTAL SECOND FOOT DAYS				600	4,348	481	4,829	3,005	3,005	22,898	7,680	304	0	0	0	0	
TOTAL ACRE-FEET				1,190	8,624	953	9,577	5,960	5,960	45,418	15,234	603	0	0	0	0	

By: JWR

Date: November 21, 2014

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where not

OCTOBER 2014

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	81	70	17	16	9,647
1	110	72	15	20	9,650
2	122	80	16	20	9,656
3	111	86	17	22	9,642
4	104	117	15	15	9,599
5	100	114	14	20	9,551
6	97	102	15	20	9,511
7	84	99	18	20	9,458
8	82	99	15	19	9,407
9	76	91	15	26	9,351
10	75	83	16	20	9,307
11	77	74	14	17	9,279
12	93	65	14	20	9,273
13	97	68	17	19	9,266
14	86	79	16	20	9,237
15	76	97	15	20	9,181
16	78	91	17	15	9,136
17	88	83	15	14	9,112
18	89	83	15	14	9,089
19	87	82	17	14	9,063
20	72	88	15	14	9,018
21	78	137	16	13	8,930
22	90	255	17	12	8,736
23	111	246	16	14	8,571
24	99	232	16	16	8,406
25	93	215	15	14	8,255
26	95	228	15	14	8,093
27	102	230	14	12	7,939
28	106	234	16	12	7,783
29	107	280	15	13	7,582
30	113	273	15	13	7,394
31	207	265	15	9	7,312
S.F.D.	3,005	4,348	481	511	7,312
AC.FT.	5,960	8,624	953	1,014	14,504

TOTAL ACRE-FOOT STORAGE DAYS 547,015

BUENA VISTA WATER STORAGE DISTRICT

DAY	ENT'L AT 1ST POINT	FLOW VIA KDWD	FLOW VIA/FOR RRBWSD	FLOW VIA CWD	FLOW AT 2ND POINT	FLOW ABOVE 1ST PT. CARMEL La HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day	0	0	0	0	0	0	3	457
1	0	0	0	0	0	0	3	454
2	0	0	0	0	0	0	3	451
3	0	0	0	0	0	0	4	447
4	0	0	0	0	0	0	2	445
5	0	0	0	0	0	0	3	442
6	0	0	0	0	0	0	4	438
7	0	0	0	0	0	0	3	435
8	0	0	0	0	0	0	3	432
9	0	0	0	0	0	0	4	428
10	0	0	0	0	0	0	4	424
11	0	0	0	0	0	0	3	421
12	0	0	0	0	0	0	3	418
13	0	0	0	0	0	0	3	415
14	0	0	0	0	0	0	4	411
15	0	0	0	0	0	0	3	408
16	0	0	0	0	0	0	3	405
17	0	0	0	0	0	0	2	403
18	0	0	0	0	0	0	2	401
19	0	0	0	0	0	0	3	398
20	0	0	0	0	0	0	3	395
21	0	0	0	0	0	0	2	393
22	0	0	0	0	0	0	2	391
23	0	0	0	0	0	0	3	388
24	0	0	0	0	0	0	3	385
25	0	0	0	0	0	0	3	382
26	0	0	0	0	0	0	3	379
27	0	0	0	0	0	0	2	377
28	0	0	0	0	0	0	2	375
29	0	0	0	0	0	0	2	373
30	0	0	0	0	0	0	3	370
31	0	0	0	0	0	0	2	368
S.F.D.	0	0	0	0	0	0	89	368
AC.FT.	0	0	0	0	0	0	176	730

TOTAL ACRE-FOOT STORAGE DAYS 25,095

HACIENDA WATER DISTRICT

DAY	ENTITLEMENT Contributed by: NKWSD	ENTITLEMENT Contributed by: BVWSD	FLOW TRANS. LOSS	FLOW FOR KCWA	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day					0	0
1					0	0
2					0	0
3					0	0
4					0	0
5					0	0
6					0	0
7					0	0
8					0	0
9					0	0
10					0	0
11					0	0
12					0	0
13					0	0
14					0	0
15					0	0
16					0	0
17					0	0
18					0	0
19					0	0
20					0	0
21					0	0
22					0	0
23					0	0
24					0	0
25					0	0
26					0	0
27					0	0
28					0	0
29					0	0
30					0	0
31					0	0
S.F.D.			0	0	0	0
AC.FT.			0	0	0	0

TOTAL ACRE-FOOT STORAGE DAYS 0

OCTOBER 2014

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
October				None

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

NOVEMBER 2014

	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	2529.79	45,418	22,898	11	265	15	280	207	207	22,898	7,680	6	0	0	0	0	
1	2529.79	45,418	22,898	5	116	16	132	137	137	22,898	7,680	3	0	0	0	0	1
2	2529.80	45,442	22,910	7	112	14	126	145	140	22,905	7,687	4	0	0	0	0	2
3	2529.80	45,442	22,910	11	105	14	119	130	134	22,909	7,691	6	0	0	0	0	3
4	2529.79	45,418	22,898	12	114	14	128	128	131	22,900	7,682	7	0	0	0	0	4
5	2529.78	45,394	22,886	13	123	12	135	136	134	22,886	7,668	7	0	0	0	0	5
6	2529.76	45,347	22,862	15	133	13	146	137	141	22,866	7,648	8	0	0	0	0	6
7	2529.75	45,324	22,851	13	133	16	149	151	146	22,850	7,632	7	0	0	0	0	7
8	2529.74	45,300	22,839	14	132	15	147	149	142	22,831	7,613	8	0	0	0	0	8
9	2529.71	45,229	22,803	14	134	15	149	127	137	22,805	7,587	8	0	0	0	0	9
10	2529.69	45,181	22,779	14	130	14	144	134	130	22,777	7,559	8	0	0	0	0	10
11	2529.68	45,158	22,767	12	114	16	130	130	135	22,770	7,552	7	0	0	0	0	11
12	2529.68	45,158	22,767	12	114	14	128	140	126	22,756	7,538	7	0	0	0	0	12
13	2529.66	45,110	22,743	8	112	13	125	109	126	22,749	7,531	4	0	0	0	0	13
14	2529.65	45,087	22,731	13	113	14	127	128	112	22,721	7,503	7	0	0	0	0	14
15	2529.62	45,016	22,696	9	112	14	126	100	137	22,723	7,505	5	0	0	0	0	15
16	2529.66	45,110	22,743	13	111	13	124	184	141	22,727	7,509	7	0	0	0	0	16
17	2529.66	45,110	22,743	17	111	12	123	140	155	22,742	7,524	9	0	0	0	0	17
18	2529.66	45,110	22,743	19	109	13	122	141	126	22,727	7,509	11	0	0	0	0	18
19	2529.63	45,039	22,707	9	109	15	124	97	122	22,716	7,498	5	0	0	0	0	19
20	2529.63	45,039	22,707	9	108	12	120	129	120	22,707	7,489	5	0	0	0	0	20
21	2529.63	45,039	22,707	10	110	13	123	133	131	22,705	7,487	6	0	0	0	0	21
22	2529.62	45,016	22,696	8	117	13	130	127	130	22,697	7,479	4	0	0	0	0	22
23	2529.61	44,992	22,683	10	120	13	133	130	133	22,687	7,469	6	0	0	0	0	23
24	2529.61	44,992	22,683	9	119	13	132	141	135	22,681	7,463	5	0	0	0	0	24
25	2529.60	44,969	22,672	10	121	13	134	133	135	22,672	7,454	6	0	0	0	0	25
26	2529.59	44,945	22,660	13	119	12	131	132	132	22,660	7,442	7	0	0	0	0	26
27	2529.58	44,921	22,648	10	121	13	134	132	129	22,645	7,427	6	0	0	0	0	27
28	2529.56	44,874	22,624	11	121	14	135	122	129	22,628	7,410	6	0	0	0	0	28
29	2529.55	44,851	22,612	11	122	13	135	134	130	22,612	7,394	6	0	0	0	0	29
30	2529.53	44,804	22,589	9	120	11	131	117	117	22,589	7,371	5	0	0	0	0	30
TOTAL SECOND FOOT DAYS				340	3,535	407	3,942	3,973	3,973	22,589	7,371	190	0	0	0	0	
TOTAL ACRE-FEET				674	7,012	808	7,820	7,880	7,880	44,804	14,620	377	0	0	0	0	

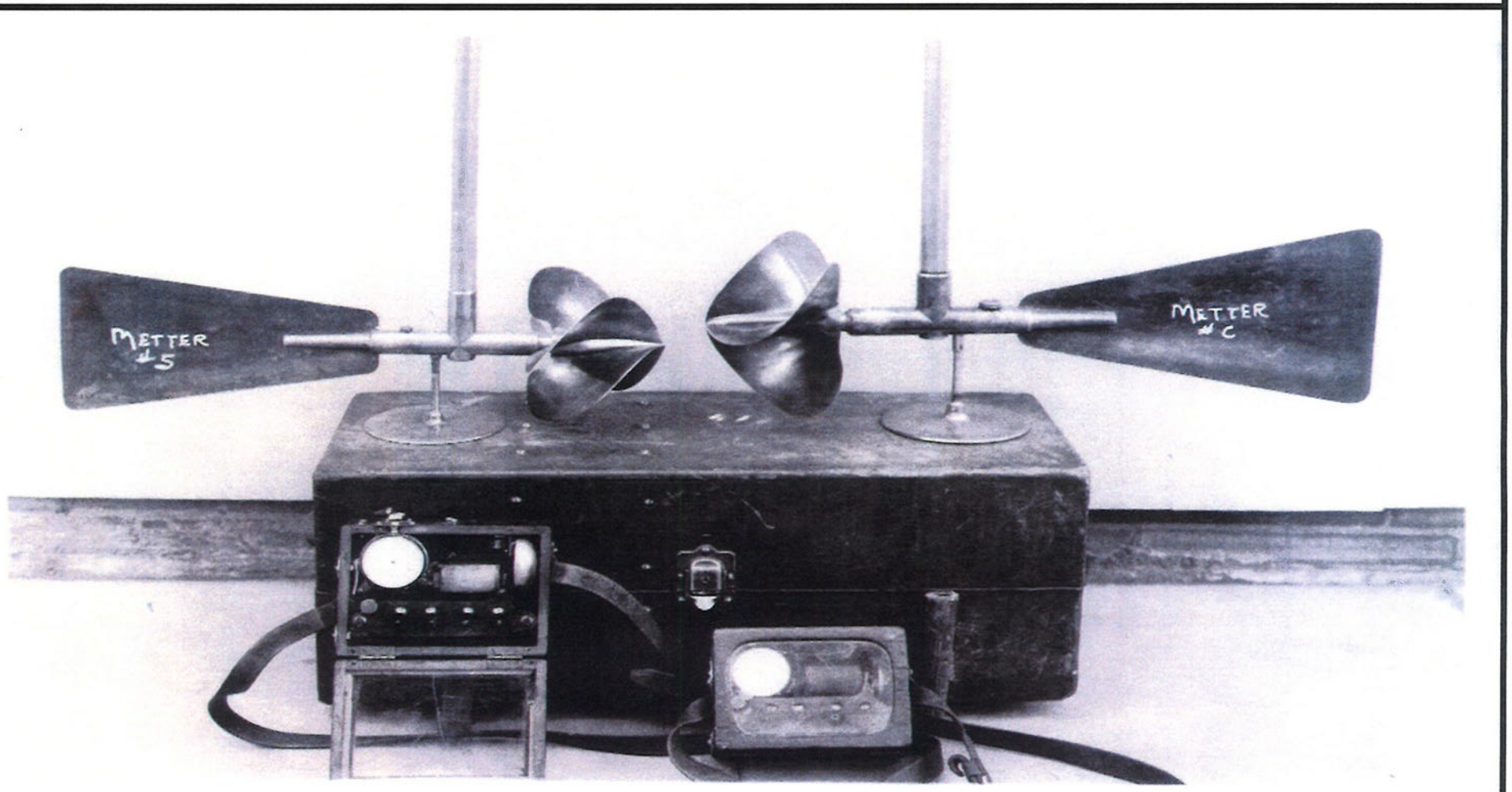
By: JWR Date: December 18, 2014

NOVEMBER 2014

	NORTH KERN WATER STORAGE DISTRICT					BUENA VISTA WATER STORAGE DISTRICT							HACIENDA WATER DISTRICT				
							FLOW			FLOW ABOVE 1ST PT. CARMEL La			ENTITLEMENT	FLOW			
	ENT'L AT 1ST	FLOW AT 1ST	FLOW ABOVE 1ST	RESERVOIR		ENT'L AT 1ST	VIA	VIA	AT 2ND	HACIENDA	RESERVOIR		Contributed by:		RESERVOIR		
DAY	POINT	POINT	POINT	LOSS	STORAGE	POINT	KDWD	CWD	POINT	INC.	LOSS	STORAGE	NKWSD	BVWSD	LOSS	STORAGE	DAY
Previous Day	207	265	15	9	7,312	0	0	0	0	0	2	368			0	0	
1	137	116	16	4	7,313	0	0	0	0	0	1	367			0	0	1
2	140	112	14	6	7,321	0	0	0	0	0	1	366			0	0	2
3	134	105	14	9	7,327	0	0	0	0	0	2	364			0	0	3
4	131	114	14	10	7,320	0	0	0	0	0	2	362			0	0	4
5	134	123	12	11	7,308	0	0	0	0	0	2	360			0	0	5
6	141	133	13	13	7,290	0	0	0	0	0	2	358			0	0	6
7	146	133	16	11	7,276	0	0	0	0	0	2	356			0	0	7
8	142	132	15	12	7,259	0	0	0	0	0	2	354			0	0	8
9	137	134	15	12	7,235	0	0	0	0	0	2	352			0	0	9
10	130	130	14	12	7,209	0	0	0	0	0	2	350			0	0	10
11	135	114	16	10	7,204	0	0	0	0	0	2	348			0	0	11
12	126	114	14	10	7,192	0	0	0	0	0	2	346			0	0	12
13	126	112	13	7	7,186	0	0	0	0	0	1	345			0	0	13
14	112	113	14	11	7,160	0	0	0	0	0	2	343			0	0	14
15	137	112	14	8	7,163	0	0	0	0	0	1	342			0	0	15
16	141	111	13	11	7,169	0	0	0	0	0	2	340			0	0	16
17	155	111	12	14	7,187	0	0	0	0	0	3	337			0	0	17
18	126	109	13	16	7,175	0	0	0	0	0	3	334			0	0	18
19	122	109	15	8	7,165	0	0	0	0	0	1	333			0	0	19
20	120	108	12	8	7,157	0	0	0	0	0	1	332			0	0	20
21	131	110	13	8	7,157	0	0	0	0	0	2	330			0	0	21
22	130	117	13	7	7,150	0	0	0	0	0	1	329			0	0	22
23	133	120	13	8	7,142	0	0	0	0	0	2	327			0	0	23
24	135	119	13	8	7,137	0	0	0	0	0	1	326			0	0	24
25	135	121	13	8	7,130	0	0	0	0	0	2	324			0	0	25
26	132	119	12	11	7,120	0	0	0	0	0	2	322			0	0	26
27	129	121	13	8	7,107	0	0	0	0	0	2	320			0	0	27
28	129	121	14	9	7,092	0	0	0	0	0	2	318			0	0	28
29	130	122	13	9	7,078	0	0	0	0	0	2	316			0	0	29
30	117	120	11	8	7,056	0	0	0	0	0	1	315			0	0	30
S.F.D.	3,973	3,535	407	287	7,056	0	0	0	0	0	53	315			0	0	S.F.D.
AC.FT.	7,880	7,012	808	569	13,995	0	0	0	0	0	105	625			0	0	AC.FT.
	TOTAL ACRE-FOOT STORAGE DAYS				428,003		TOTAL ACRE-FOOT STORAGE DAYS					20,263		TOTAL ACRE-FOOT STORAGE DAYS		0	

NOVEMBER 2014
WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
November				None



REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

DECEMBER 2014

	ISABELLA RESERVOIR				FLOW	FLOW	FIRST POINT	CHANGE IN STORAGE+LOSS +1ST POINT	COMPUTED 1ST POINT	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)		KERN COUNTY	TOTAL FLOW AT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN	
	ELEVATION	MIDNIGHT STORAGE			AT 1ST	ABOVE	REGULATED	REGULATED	NATURAL			RECREATION	SECOND	KERN	FRIANT-	INFLOW	
DAY	(FEET)	ACRE-FEET	S.F.D.	LOSS	POINT	1ST POINT	FLOW	FLOW	FLOW	TOTAL	IRRIGATION	POOL LOSS	POINT	RIVER	KERN		DAY
Previous Day	2529.53	44,804	22,589	9	120	11	131	117	117	22,589	7,371	5	0	0	0	0	
1	2529.53	44,804	22,589	7	124	12	136	143	143	22,589	7,371	4	0	0	0	0	1
2	2529.69	45,181	22,779	3	126	11	137	330	325	22,774	7,556	2	0	0	0	0	2
3	2529.82	45,489	22,934	5	144	12	156	316	297	22,910	7,692	3	0	0	0	0	3
4	2529.85	45,561	22,970	7	189	12	201	244	250	22,952	7,734	4	0	0	0	0	4
5	2529.85	45,513	22,946	5	196	12	208	189	209	22,948	7,730	3	0	0	0	0	5
6	2529.81	45,465	22,922	8	198	12	210	194	193	22,923	7,705	4	0	0	0	0	6
7	2529.81	45,370	22,874	7	225	13	238	197	182	22,860	7,642	4	0	0	0	0	7
8	2529.74	45,300	22,839	8	170	12	182	155	160	22,830	7,612	4	0	0	0	0	8
9	2529.69	45,181	22,779	8	167	12	179	127	141	22,784	7,566	4	0	0	0	0	9
10	2529.65	45,087	22,731	6	166	14	180	138	150	22,748	7,530	3	0	0	0	0	10
11	2529.63	45,039	22,707	4	193	12	205	185	210	22,749	7,531	2	0	0	0	0	11
12	2529.69	45,181	22,779	4	220	12	232	308	256	22,769	7,551	2	0	0	0	0	12
13	2529.73	45,276	22,827	6	207	13	220	274	258	22,801	7,583	3	0	0	0	0	13
14	2529.74	45,300	22,839	5	165	11	176	193	206	22,826	7,608	3	0	0	0	0	14
15	2529.72	45,252	22,815	6	158	12	170	152	173	22,823	7,605	3	0	0	0	0	15
16	2529.71	45,229	22,803	5	170	11	181	174	173	22,810	7,592	3	0	0	0	0	16
17	2529.71	45,229	22,803	3	179	12	191	194	183	22,799	7,581	2	0	0	0	0	17
18	2529.70	45,205	22,791	7	174	13	187	182	182	22,787	7,569	4	0	0	0	0	18
19	2529.69	45,181	22,779	4	165	12	177	169	166	22,772	7,554	2	0	0	0	0	19
20	2529.66	45,110	22,743	5	165	12	177	146	166	22,756	7,538	3	0	0	0	0	20
21	2529.66	45,110	22,743	6	166	11	177	183	170	22,743	7,525	3	0	0	0	0	21
22	2529.66	45,110	22,743	7	165	9	174	181	183	22,745	7,527	4	0	0	0	0	22
23	2529.66	45,110	22,743	8	164	13	177	185	170	22,730	7,512	4	0	0	0	0	23
24	2529.63	45,039	22,707	6	162	12	174	144	188	22,738	7,520	3	0	0	0	0	24
25	2529.68	45,158	22,767	8	157	11	168	236	187	22,749	7,531	4	0	0	0	0	25
26	2529.68	45,158	22,767	7	161	12	173	180	190	22,759	7,541	4	0	0	0	0	26
27	2529.66	45,110	22,743	8	159	11	170	154	151	22,732	7,514	4	0	0	0	0	27
28	2529.61	44,992	22,683	7	160	12	172	119	135	22,688	7,470	4	0	0	0	0	28
29	2529.58	44,921	22,648	1	157	10	167	133	139	22,659	7,441	1	0	0	0	0	29
30	2529.57	44,898	22,636	7	159	12	171	166	155	22,636	7,418	4	0	0	0	0	30
31	2529.55	44,851	22,612	7	160	14	174	157	157	22,612	7,394	4	0	0	0	0	31
TOTAL SECOND FOOT DAYS				185	5,271	369	5,640	5,848	5,848	22,612	7,394	101	0	0	0	0	
TOTAL ACRE-FEET				367	10,454	731	11,185	11,599	11,599	44,851	14,667	200	0	0	0	0	

By: _____ Date: January 21, 2015

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where not

DECEMBER 2014

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	117	120	11	8	7,056
1	143	124	12	6	7,057
2	325	126	11	2	7,243
3	297	144	12	4	7,380
4	250	189	12	6	7,423
5	209	196	12	4	7,420
6	193	198	12	7	7,396
7	182	225	13	6	7,334
8	160	170	12	7	7,305
9	141	167	12	7	7,260
10	150	166	14	5	7,225
11	210	193	12	3	7,227
12	256	220	12	3	7,248
13	258	207	13	5	7,281
14	206	165	11	4	7,307
15	173	158	12	5	7,305
16	173	170	11	4	7,293
17	183	179	12	2	7,283
18	182	174	13	6	7,272
19	166	165	12	3	7,258
20	166	165	12	4	7,243
21	170	166	11	5	7,231
22	183	165	9	6	7,234
23	170	164	13	7	7,220
24	188	162	12	5	7,229
25	187	157	11	7	7,241
26	190	161	12	6	7,252
27	151	159	11	7	7,226
28	135	160	12	6	7,183
29	139	157	10	1	7,154
30	155	159	12	6	7,132
31	157	160	14	6	7,114
S.F.D.	5,848	5,271	369	155	7,114
AC.FT.	11,599	10,454	731	307	14,112

TOTAL ACRE-FOOT STORAGE DAYS 446,233

BUENA VISTA WATER STORAGE DISTRICT

DAY	ENT'L AT 1ST POINT	FLOW VIA KDWD	FLOW VIA/FOR RRBWSD	FLOW VIA CWD	FLOW AT 2ND POINT	FLOW ABOVE 1ST PT. CARMEL La HACIENDA INC.	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day	0	0	0	0	0	0	1	315
1	0	0	0	0	0	0	1	314
2	0	0	0	0	0	0	1	313
3	0	0	0	0	0	0	1	312
4	0	0	0	0	0	0	1	311
5	0	0	0	0	0	0	1	310
6	0	0	0	0	0	0	1	309
7	0	0	0	0	0	0	1	308
8	0	0	0	0	0	0	1	307
9	0	0	0	0	0	0	1	306
10	0	0	0	0	0	0	1	305
11	0	0	0	0	0	0	1	304
12	0	0	0	0	0	0	1	303
13	0	0	0	0	0	0	1	302
14	0	0	0	0	0	0	1	301
15	0	0	0	0	0	0	1	300
16	0	0	0	0	0	0	1	299
17	0	0	0	0	0	0	1	298
18	0	0	0	0	0	0	1	297
19	0	0	0	0	0	0	1	296
20	0	0	0	0	0	0	1	295
21	0	0	0	0	0	0	1	294
22	0	0	0	0	0	0	1	293
23	0	0	0	0	0	0	1	292
24	0	0	0	0	0	0	1	291
25	0	0	0	0	0	0	1	290
26	0	0	0	0	0	0	1	289
27	0	0	0	0	0	0	1	288
28	0	0	0	0	0	0	1	287
29	0	0	0	0	0	0	0	287
30	0	0	0	0	0	0	1	286
31	0	0	0	0	0	0	1	280
S.F.D.	0	0	0	0	0	0	30	280
AC.FT.	0	0	0	0	0	0	60	555

TOTAL ACRE-FOOT STORAGE DAYS 18,381

HACIENDA WATER STORAGE DISTRICT

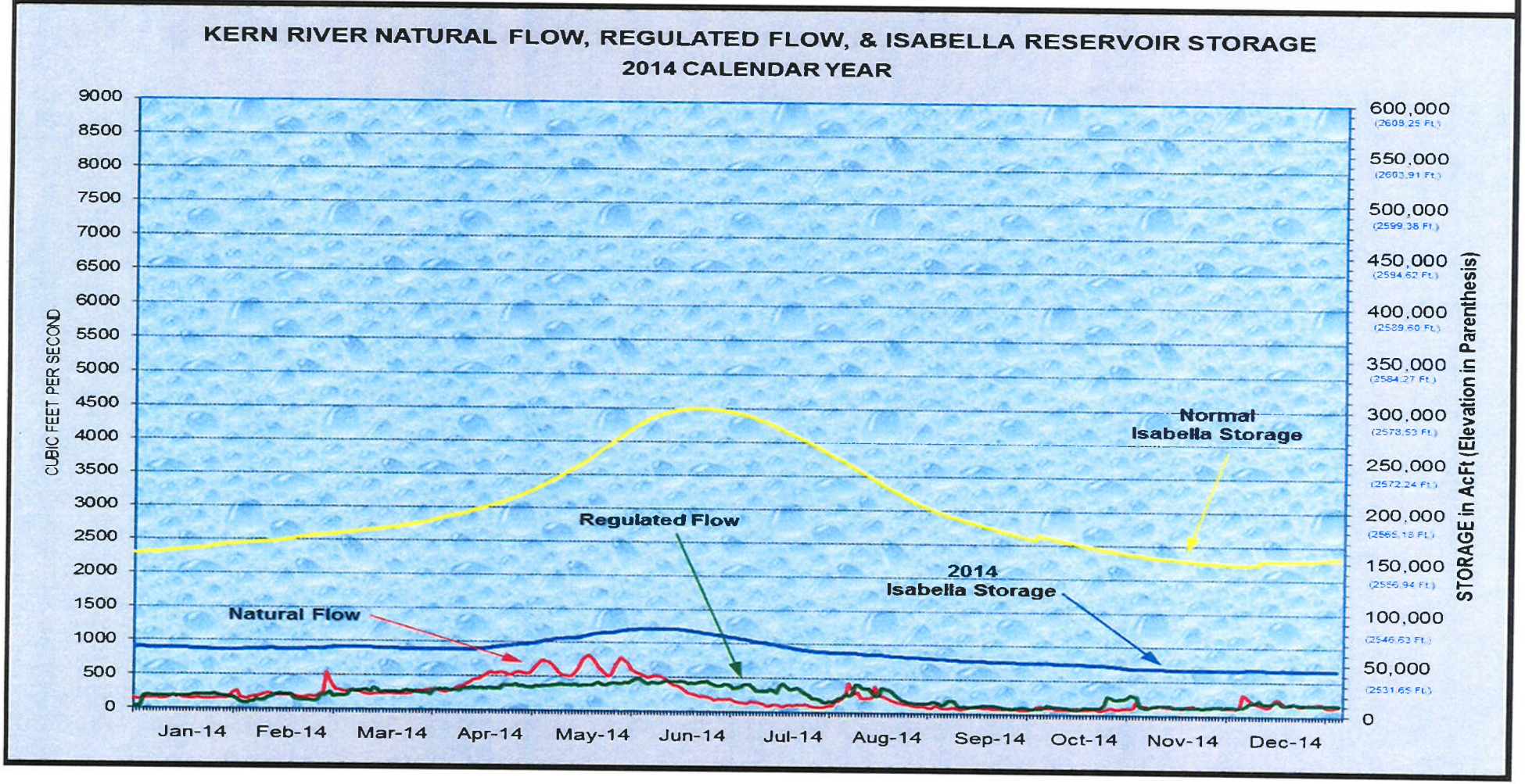
DAY	ENTITLEMENT Contributed by: NKWSD	ENTITLEMENT Contributed by: BVWSD	FLOW TRANS. LOSS	FLOW FOR KCWA	RESERVOIR LOSS	RESERVOIR STORAGE
Previous Day					0	0
1					0	0
2					0	0
3					0	0
4					0	0
5					0	0
6					0	0
7					0	0
8					0	0
9					0	0
10					0	0
11					0	0
12					0	0
13					0	0
14					0	0
15					0	0
16					0	0
17					0	0
18					0	0
19					0	0
20					0	0
21					0	0
22					0	0
23					0	0
24					0	0
25					0	0
26					0	0
27					0	0
28					0	0
29					0	0
30					0	0
31					0	0
S.F.D.				0	0	0
AC.FT.				0	0	0

TOTAL ACRE-FOOT STORAGE DAYS 0

DECEMBER 2014

*WATERMASTER NOTES *** KERN RIVER BULLETIN*

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
December	31	2	BVWSD 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 2007 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)



DANGER SWIMMERS

This river is extremely dangerous between June and September. Every year there have been numerous swimmers drowned.

For your own safety,
we recommend you--

Do Not Swim in this river!

CHARLES H. DODGE, SHERIFF
COUNTY OF KERN

SPIELD PRINTING CO.

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: January 2014 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	9947
LESS NON-CONTRIBUTING CANALS.....	9271
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	
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)		8459	9271	778					8493						8459		571	
		EASTSIDE																		
		KERN RIVER CONDUIT																		
320.0	20	CASTRO					20												0	
		KCC&W Co.					60			80			42						85	
330.5	10.5	SOUTH FORK					42					42		42						
410.5	80	BUENA VISTA (1-ST)					200				200									
530.5	120	JAMES (1-ST)					329		329											
550.5	20	ANDERSON (1-ST)					40		40											
700.5	150	STINE					87				87								87	
730.5	30	MEACHAM																		
880.5	150	FARMERS																	0	
920.5	40	PLUNKET																		
960.5	40	JOYCE																		
1000.5	40	JOHNSON																		
1130.5	130	PIONEER (1-ST)																		
1190.5	60	BEARDSLEY (1-ST)		180													180		0	
		LERDO (NKWSD)		22											22				369	
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)																		
		ROSEDALE RBWSD																		
		TRUXTUN LAKES																		
		AERA PARK																		
		COUNTY OF KERN														32				
		KERN VALLEY GOLF COURSE																		
		CALIFORNIA WATER SERVICE CO.														879				
		OLCESE WD														14				
		THE PARK AT RIVER WALK																		
		WILSON DITCH																		
		2800 ACRES SPREADING																		
		NKWSD FOR CWD																		
		NKWSD FOR ID4																		
		BVWSD VIA CWD																		
		BVWSD VIA/ FOR KDWD																		
		BVWSD VIA KDWD (MWD WATER)																		
		BVWSD FOR La HACIENDA, INC.																		
		HWD FOR ID4																		
		GLEN GRUNDEIS														2				
TOTALS			927	8661	9271	778	778	0	369	80	8780	42	42	42	22	1107	8459	0	656	0
		LOSS		1332	676														656	
FLOW AT FIRST POINT			927	9993	9947															

ISABELLA RESERVOIR				
IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
877	1088	32	1414	519
0	0	0	0	0
6	8951	192	1076	7689
0	600		0	600
200	1327	27	0	1500
87	24	1	0	110
0	10	0	0	10
0	0	0	0	0
369	11314	238	22	11423
1539	23314	490	2512	21851

TOTAL CHANGE IN STORAGE = -1463

NOTES:

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: February 2014 Recap

COMPUTED NATURAL FLOW AT FIRST POINT	11716
LESS NON-CONTRIBUTING CANALS	10645
FOR OTHERS AND FIRST POINT CANALS	1071
TO BE CONTRIBUTED BY OTHER CANALS	611
TO BE USED BY OTHER CANALS	460
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	611
KERN RIVER CONDUIT ENTITLEMENT	0
HACIENDA W.D. ENTITLEMENT AT FIRST POINT	0
TOTAL	611

DIVERSION RIGHT				GROSS	GROSS	RELEASES			ENTITLEMENT LESS RELEASES				EXCHANGES, SALES		NET DIVERSIONS				WATER TRANS. LOSS	
RIVER STAGE	AMT.	NAME OF CANAL		DIV'R	ENT'L	To River	Distribution Direct	Distribution Pro	... OR PLUS DISTRIBUTED RELEASES NKWSD	KCC&W Co.	KDWD	OTHER	OR PURCHASES PLUS	OR PURCHASES LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO
		K.C.L. Co. ENT'L @ 2ND PT.																		
300.0	300	KERN ISLAND (1-ST)		3985	10645	188					10457		771				4756			
		EASTSIDE																		
		KERN RIVER CONDUIT																		
320.0	20	CASTRO			10		20													
		KCC&W Co.			28		61			119			61						35	
330.5	10.5	SOUTH FORK			20		41					61		61						
410.5	80	BUENA VISTA (1-ST)			150		8				158									
530.5	120	JAMES (1-ST)			228		10		238											
550.5	20	ANDERSON (1-ST)			24		16		40											
700.5	150	STINE					32				32									
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)		557												557				
		LERDO (NKWSD)		141											141					
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%	771										771					2615	
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)																		
		ROSEDALE RBWSD																		
		TRUXTUN LAKES																		
		AERA PARK																		
		COUNTY OF KERN														32				
		KERN VALLEY GOLF COURSE																		
		CALIFORNIA WATER SERVICE CO.														163				
		OLCESE WD														41				
		THE PARK AT RIVER WALK																		
		WILSON DITCH																		
		2800 ACRES SPREADING																		
		NKWSD FOR CWD																		
		NKWSD FOR ID4																		
		BVWSD VIA CWD																		
		BVWSD VIA/ FOR KDWD																		
		BVWSD VIA KDWD (MWD WATER)																		
		BVWSD FOR La HACIENDA, INC.																		
		HWD FOR ID4																		
		GLEN GRUNDEIS																		
TOTALS			236	5454	11105	188	188	0	278	119	10647	61	832	832	141	793	4756	0	2650	0
		LOSS		3261	611														2650	
FLOW AT FIRST POINT			236	8715	11716															

ISABELLA RESERVOIR

IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
3199	519	44	113	3561
0	0	0	0	0
2	7689	142	650	6899
0	600		0	600
158	1500	28	0	1630
32	110	2	0	140
0	10	0	0	10
0	0	0	0	0
234	11423	208	97	11352
3625	21851	424	860	24192

TOTAL CHANGE IN STORAGE = 2341

NOTES:

Cally. Exch. Less: ID4 from KDWD/MET= 771

River Loss: ID4 from KDWD/MET= 2615

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: March 2014 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	16251
LESS NON-CONTRIBUTING CANALS.....	15221
FOR OTHERS AND FIRST POINT CANALS.....	1030
TO BE CONTRIBUTED BY OTHER CANALS.....	1030
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.....	113
SEEPAGE LOSS.....	676
KERN RIVER CONDUIT ENTITLEMENT.....	241
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	1030

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)		7444	15221	1900					13321		3481				10925			
		EASTSIDE		1829										50			1779			
		KERN RIVER CONDUIT			241					241										
320.0	20	CASTRO					198													
		KCC&W Co.					436			634			196						18	
330.5	10.5	SOUTH FORK					196					196		196						
410.5	80	BUENA VISTA (1-ST)																		
530.5	120	JAMES (1-ST)					1070		1070											
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)		621												621				
		LERDO (NKWSD)		750											750					
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%	1942										1942					1664	
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)																		
		ROSEDALE RBWSD																		
		TRUXTUN LAKES																		
		AERA PARK																		
		COUNTY OF KERN														71				
		KERN VALLEY GOLF COURSE																		
		CALIFORNIA WATER SERVICE CO.														868				
		OLCESE WD														44				
		THE PARK AT RIVER WALK																		
		WILSON DITCH																		
		2800 ACRES SPREADING																		
		NKWSD FOR CWD																		
		NKWSD FOR ID4																		
		BVWSD VIA CWD																		
		BVWSD VIA/ FOR KDWD											50							
		BVWSD VIA KDWD (MWD WATER)																		
		BVWSD FOR La HACIENDA, INC.																		
		RIO BRAVO WELL											234						109	
TOTALS			983	12586	15462	1900	1900	0	1070	875	13321	196	3961	2188	750	1604	12704	0	1791	0
		LOSS		2467	676														1791	
FLOW AT FIRST POINT			983	15053	16138															

ISABELLA RESERVOIR				
IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
1129	3561	121	512	4057
0	0	0	0	0
232	6899	203	783	6145
0	600		0	600
0	1630	46	0	1584
0	140	4	0	136
0	10	0	0	10
0	0	0	0	0
320	11352	319	0	11353
1681	24192	693	1295	23885

TOTAL CHANGE IN STORAGE = -307

NOTES:

Eastside Exch. Less: from BVWSD= 50

Cally. Exch. Less: ID4 from KDWD/MET= 1817

River Loss: ID4 from KDWD/MET= 1664

Cally. Exch. Less: Rio Bravo Well= 125

River Loss: Rio Bravo Well= 109

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: April 2014 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	26527
LESS NON-CONTRIBUTING CANALS.....	17012
FOR OTHERS AND FIRST POINT CANALS.....	9515
TO BE CONTRIBUTED BY OTHER CANALS.....	9515
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.....	2819
SEEPAGE LOSS.....	655
KERN RIVER CONDUIT ENTITLEMENT.....	6041
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	9515

DIVERSION RIGHT			GROSS	GROSS	RELEASES			ENTITLEMENT LESS RELEASES				EXCHANGES, SALES		NET DIVERSIONS				WATER TRANS. LOSS	
RIVER STAGE	AMT.	NAME OF CANAL	DIV'R	ENT'L	To River	Distribution Direct	Distribution Pro	... OR PLUS DISTRIBUTED RELEASES NKWSD	KCC&W Co.	KDWD	OTHER	OR PURCHASES PLUS	OR PURCHASES LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO
		K.C.L. Co. ENT'L @ 2ND PT.																	
300.0	300	KERN ISLAND (1-ST)	7872	17012	3812					13200		2992	413			10451			
		EASTSIDE	2749													2749			
		KERN RIVER CONDUIT		6041					6041										
320.0	20	CASTRO				286												0	
		KCC&W Co.				839			1125			4001						78	
330.5	10.5	SOUTH FORK																	
410.5	80	BUENA VISTA (1-ST)																	
530.5	120	JAMES (1-ST)				2687		2687											
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)	491													491			
		LERDO (NKWSD)	3567										694	2873					
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%	1980										1980					1211	
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)																	
		ROSEDALE RBWSD																	
		TRUXTUN LAKES																	
		AERA PARK																	
		COUNTY OF KERN													90				
		KERN VALLEY GOLF COURSE																	
		CALIFORNIA WATER SERVICE CO.													809				
		OLCESE WD													67				
		THE PARK AT RIVER WALK																	
		WILSON DITCH																	
		2800 ACRES SPREADING																	
		NKWSD FOR CWD																	
		NKWSD FOR ID4																	
		BVWSD VIA CWD										694							
		BVWSD VIA/ FOR KDWD										413							
		BVWSD VIA KDWD (MWD WATER)																	
		BVWSD FOR La HACIENDA, INC.																	
		RIO BRAVO WELL										342						143	
		BVWSD TRANSFER TO CITY											4001						
TOTALS		966	16659	23053	3812	3812	0	2687	7166	13200	0	8442	7088	2873	1457	13200	0	1432	0
		LOSS	2087	655														1432	
FLOW AT FIRST POINT		966	18746	23708															

ISABELLA RESERVOIR				
IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
0	4057	145	0	3912
0	0	0	0	0
9632	6145	387	0	15390
0	600		0	600
0	1584	58	0	1526
0	136	4	0	132
0	10	0	0	10
0	0	0	0	0
324	11353	402	510	10765
9956	23885	996	510	32335

TOTAL CHANGE IN STORAGE = 8450

NOTES:

Kern Island Exch. Less: from BVWSD=	413
Cally. Exch. Less: ID4 from KDWD/MET=	1781
River Loss: ID4 from KDWD/MET=	1211
Cally. Exch. Less: Rio Bravo Well=	199
River Loss: Rio Bravo Well=	143
Lerdo Exch. Less: BVWSD for CWD=	694
BVWSD Transfer to City=	4001

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: May 2014 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	40042
LESS NON-CONTRIBUTING CANALS.....	18381
FOR OTHERS AND FIRST POINT CANALS.....	21661
TO BE CONTRIBUTED BY OTHER CANALS.....	21389
TO BE USED BY OTHER CANALS.....	272
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%)...	297
B.V.W.S.D. ENTITLEMENT.....	6875
SEEPAGE LOSS.....	676
KERN RIVER CONDUIT ENTITLEMENT.....	13541
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	21389

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.			297				297																
300.0	300	KERN ISLAND (1-ST)		8789	18381	1491					16890		4270				13059				199	3912	163	0	3948
		EASTSIDE		3632													3632								
		KERN RIVER CONDUIT			13541					13541															
320.0	20	CASTRO					220														0	0	0	0	0
		KCC&W Co.			10		631			861											688				
330.5	10.5	SOUTH FORK			6							6									11722	15390	891	0	26221
410.5	80	BUENA VISTA (1-ST)		149	46	42					4						149				6	600		0	606
530.5	120	JAMES (1-ST)			63		793		856												0	1526	61	145	1320
550.5	20	ANDERSON (1-ST)			10				10																
700.5	150	STINE			81	75					6										6	132	6	0	132
730.5	30	MEACHAM			18				18																
880.5	150	FARMERS			38	36					2										2	10	0	0	12
920.5	40	PLUNKET																							
960.5	40	JOYCE																							
1000.5	40	JOHNSON																							
1130.5	130	PIONEER (1-ST)																							
1190.5	60	BEARDSLEY (1-ST)		359												359					0	0	0	0	0
		LERDO (NKWSD)		3160										1909	1251						215	10765	434	817	9729
1200.5	10	ANDERSON (2-ND)																							
1240.5	40	JAMES & DIXON																							
1250.5	10	WILSON																			12150	32335	1555	962	41968
		KCC&W Co.																							
1276.5	26	McCAFFREY																							
		McCORD	LERDO 30%																						
1376.5	100		BEARDSLEY 70%																						
		CALLOWAY	CENTRAL 20%	3336										3336					1440						
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)																							
		ROSEDALE RBWSD																							
		TRUXTUN LAKES		388												388									
		AERA PARK																							
		COUNTY OF KERN														120									
		KERN VALLEY GOLF COURSE																							
		CALIFORNIA WATER SERVICE CO.														958									
		OLCESE WD														107									
		THE PARK AT RIVER WALK		60												60									
		WILSON DITCH																							
		2800 ACRES SPREADING																							
		NKWSD FOR CWD																							
		NKWSD FOR ID4											532						187						
		BVWSD VIA CWD											1909												
		BVWSD VIA/ FOR KDWD																							
		BVWSD VIA KDWD (MWD WATER)																							
		BVWSD FOR La HACIENDA, INC.																							
		RIO BRAVO WELL											236						75						
TOTALS		1185		19873	32491	1644	1644	0	1181	14402	16902	6	6947	5245	1251	1992	16840	0	2390	0					
		LOSS		3066	676														2390						
FLOW AT FIRST POINT		1185		22939	33167																				

TOTAL CHANGE IN STORAGE = 9633

NOTES:

Cally. Exch. Less: ID4 from KDWD/MET=	2830
River Loss: ID4 from KDWD/MET=	1440
Cally. Exch. Less: Rio Bravo Well=	161
River Loss: Rio Bravo Well=	75
Cally. Exch. Less: NKWSD for ID4=	345
River Loss: NKWSD for ID4=	187
Lerdo Exch. Less: BVWSD for CWD=	1909

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: June 2014 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	20965
LESS NON-CONTRIBUTING CANALS.....	15203
FOR OTHERS AND FIRST POINT CANALS.....	5762
TO BE CONTRIBUTED BY OTHER CANALS.....	5762
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%)...	79
B.V.W.S.D. ENTITLEMENT.....	1732
SEEPAGE LOSS.....	655
KERN RIVER CONDUIT ENTITLEMENT.....	3296
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	5762

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.			79				79											
300.0	300	KERN ISLAND (1-ST)		12936	15203						15203		278				13214		393	
		EASTSIDE		3644													3644			
		KERN RIVER CONDUIT			3296					3296										
320.0	20	CASTRO																		
		KCC&W Co.																	574	
330.5	10.5	SOUTH FORK																		
410.5	80	BUENA VISTA (1-ST)		1293													1293			
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)		410												410				
		LERDO (NKWSD)		3850										1224	2626					
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%	327										327					93	
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)																		
		ROSEDALE RBWSD																		
		TRUXTUN LAKES		113												113				
		AERA PARK																		
		COUNTY OF KERN														156				
		KERN VALLEY GOLF COURSE																		
		CALIFORNIA WATER SERVICE CO.														809				
		OLCESE WD														131				
		THE PARK AT RIVER WALK		83												83				
		WILSON DITCH																		
		2800 ACRES SPREADING																		
		NKWSD FOR CWD																		
		NKWSD FOR ID4											166						34	
		BVWSD VIA CWD											1089							
		BVWSD VIA/ FOR KDWD																		
		BVWSD VIA KDWD (MWD WATER)																		
		BVWSD FOR La HACIENDA, INC.																		
		RIO BRAVO WELL											149						4	
		BVWSD TRANSFER TO CITY																		
TOTALS			1096	22656	18578	0	0	0	79	3296	15203	0	1682	1551	2626	1702	18151	0	1098	0
		LOSS		1753	655														1098	
FLOW AT FIRST POINT			1096	24409	19233															

ISABELLA RESERVOIR

IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
166	3948	172	2214	1728
0	0	0	0	0
2155	26221	1419	1135	25822
0	606		0	606
0	1320	27	1293	0
0	132	5	0	127
0	12	0	0	12
0	0	0	0	0
18	9729	426	2731	6590
2339	41968	2049	7373	34885

TOTAL CHANGE IN STORAGE = -7083

NOTES:

Cally. Exch. Less: ID4 from KDWD/MET=	185
River Loss: ID4 from KDWD/MET=	93
Cally. Exch. Less: Rio Bravo Well=	10
River Loss: Rio Bravo Well=	4
CWD. Exch. Less: Rio Bravo Well=	135
Lerdo Exch. Less: BVWSD for CWD=	1089
Cally. Exch. Less: NKWSD for ID4=	132
River Loss: NKWSD for ID4=	34

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: July 2014 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	7016
LESS NON-CONTRIBUTING CANALS.....	6340
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	
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)		8134	6340						6340			1178		910	6046			
		EASTSIDE		2061										462			1599			
		KERN RIVER CONDUIT																		
320.0	20	CASTRO																		
		KCC&W Co.																	479	
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)		510												510				
		LERDO (NKWSD)		5639										2767	2872					
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)																		
		ROSEDALE RBWSD																		
		TRUXTUN LAKES		119												119				
		AERA PARK																		
		COUNTY OF KERN														187				
		KERN VALLEY GOLF COURSE																		
		CALIFORNIA WATER SERVICE CO.														909				
		OLCESE WD														109				
		THE PARK AT RIVER WALK		75												75				
		WILSON DITCH																		
		2800 ACRES SPREADING																		
		NKWSD FOR CWD																		
		NKWSD FOR ID4																		
		BVWSD VIA CWD											2731							
		BVWSD VIA/ FOR KDWD											1640							
		BVWSD VIA KDWD (MWD WATER)																		
		BVWSD FOR La HACIENDA, INC.																		
		RIO BRAVO WELL											36							
TOTALS			1205	16538	6340	0	0	0	0	0	6340	0	4407	4407	2872	2819	7645	0	479	0
		LOSS		1155	676														479	
FLOW AT FIRST POINT			1205	17693	7016															

ISABELLA RESERVOIR

IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
280	1728	48	1585	375
0	0	0	0	0
0	25822	1508	3298	21016
0	606		0	606
0	0	0	0	0
0	127	8	0	119
0	12	0	0	12
0	0	0	0	0
0	6590	276	2872	3442
280	34885	1840	7755	25570

TOTAL CHANGE IN STORAGE = -9315

NOTES:

Kern Island Exch. Less: from BVWSD= 1178

Eastside Exch. Less: from BVWSD= 462

City to Arvin-Edison= 910

CWD. Exch. Less: Rio Bravo Well= 36

Lerdo Exch. Less: BVWSD for CWD= 2731

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: August 2014 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	12456
LESS NON-CONTRIBUTING CANALS.....	11292
FOR OTHERS AND FIRST POINT CANALS.....	1164
TO BE CONTRIBUTED BY OTHER CANALS.....	1164
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%)...	8
B.V.W.S.D. ENTITLEMENT.....	177
SEEPAGE LOSS.....	676
KERN RIVER CONDUIT ENTITLEMENT.....	303
HACIENDA W.D. ENTITLEMENT AT FIRST POINT.....	0
TOTAL.....	1164

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.			8				8											
300.0	300	KERN ISLAND (1-ST)		11000	11292						11292			515			10485			
		EASTSIDE		526													526			
		KERN RIVER CONDUIT			303					303										
320.0	20	CASTRO																	395	
		KCC&W Co.																		
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)		531												531				
		LERDO (NKWSD)		1155										998	66	91				
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)																		
		ROSEDALE RBWSD																		
		TRUXTUN LAKES		113												113				
		AERA PARK																		
		COUNTY OF KERN														178				
		KERN VALLEY GOLF COURSE																		
		CALIFORNIA WATER SERVICE CO.														898				
		OLCESE WD														73				
		THE PARK AT RIVER WALK		65												65				
		WILSON DITCH																		
		2800 ACRES SPREADING																		
		NKWSD FOR CWD																		
		NKWSD FOR ID4																		
		BVWSD VIA CWD											998							
		BVWSD VIA/ FOR KDWD											516							
		BVWSD VIA KDWD (MWD WATER)																		
		BVWSD FOR La HACIENDA, INC.																		
		RIO BRAVO WELL																		
TOTALS			1149	13390	11603	0	0	0	8	303	11292	0	1514	1513	66	1949	11011	0	395	0
		LOSS		1071	676														395	
FLOW AT FIRST POINT			1149	14461	12279															

ISABELLA RESERVOIR

IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
1515	375	65	1234	591
0	0	0	0	0
121	21016	1412	2162	17563
0	606		0	606
0	0	0	0	0
0	119	8	0	111
0	12	0	0	12
0	0	0	0	0
8	3442	232	66	3152
1644	25570	1717	3462	22035

TOTAL CHANGE IN STORAGE = -3535

NOTES:

Kern Island Exch. Less: from BVWSD= 515

Lerdo Exch. Less: BVWSD for CWD= 998

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: September 2014 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	5050
LESS NON-CONTRIBUTING CANALS.....	4395
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)		3624	4395						4395			44			3580			
		EASTSIDE																		
		KERN RIVER CONDUIT																		
320.0	20	CASTRO																		
		KCC&W Co.																	103	
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)		637												637				
		LERDO (NKWSD)		922										361		561				
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)																		
		ROSEDALE RBWSD																		
		TRUXTUN LAKES		65												65				
		AERA PARK																		
		COUNTY OF KERN														137				
		KERN VALLEY GOLF COURSE																		
		CALIFORNIA WATER SERVICE CO.														790				
		OLCESE WD														85				
		THE PARK AT RIVER WALK																		
		WILSON DITCH																		
		2800 ACRES SPREADING																		
		NKWSD FOR CWD																		
		NKWSD FOR ID4																		
		BVWSD VIA CWD											361							
		BVWSD VIA/ FOR KDWD											44							
		BVWSD VIA KDWD (MWD WATER)																		
		BVWSD FOR La HACIENDA, INC.																		
		RIO BRAVO WELL																		
		BVWSD TRANSFER TO CITY																		
TOTALS		1012		5248	4395	0	0	0	0	0	4395	0	405	405	0	2275	3580	0	103	0
		LOSS		758	655														103	
FLOW AT FIRST POINT		1012		6006	5050															

ISABELLA RESERVOIR

IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
855	591	65	40	1341
0	0	0	0	0
0	17563	1066	2378	14119
0	606		0	606
0	0	0	0	0
0	111	8	0	103
0	12	0	0	12
0	0	0	0	0
0	3152	198	0	2954
855	22035	1337	2418	19135

TOTAL CHANGE IN STORAGE = -2900

NOTES:

Kern Island Exch. Less: from BVWSD= 44

Lerdo Exch. Less: BVWSD for CWD= 361

Lerdo (NKWSD): City to CWD (Exch.)= 561

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: October 2014 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	5960
LESS NON-CONTRIBUTING CANALS.....	5284
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				EXCHANGES, SALES		NET DIVERSIONS				WATER TRANS. LOSS	
RIVER STAGE	AMT.	NAME OF CANAL		DIV'R	ENT'L	To River	Distribution Direct	Distribution Pro	... OR PLUS DISTRIBUTED RELEASES NKWSD	KCC&W Co.	KDWD	OTHER	OR PURCHASES 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)		3985	5284	48					5236						3985			
		EASTSIDE																		
		KERN RIVER CONDUIT																		
320.0	20	CASTRO					10													
		KCC&W Co.					30			40			8						1063	
330.5	10.5	SOUTH FORK					8					8		8						
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)		659												659				
		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%																	
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)																		
		ROSEDALE RBWSD																		
		TRUXTUN LAKES		152												152				
		AERA PARK																		
		COUNTY OF KERN														96				
		KERN VALLEY GOLF COURSE																		
		CALIFORNIA WATER SERVICE CO.														794				
		OLCESE WD														63				
		THE PARK AT RIVER WALK		52												52				
		WILSON DITCH																		
		2800 ACRES SPREADING																		
		NKWSD FOR CWD																		
		NKWSD FOR ID4																		
		BVWSD VIA CWD																		
		BVWSD VIA/ FOR KDWD																		
		BVWSD VIA KDWD (MWD WATER)																		
		BVWSD FOR La HACIENDA, INC.																		
		BVWSD AT ALT. 2ND POINT		2037												2037				
		RIO BRAVO WELL																		
TOTALS			953	6885	5284	48	48	0	0	40	5236	8	8	8	0	3853	3985	0	1063	0
		LOSS		1739	676														1063	
FLOW AT FIRST POINT			953	8624	5960															

ISABELLA RESERVOIR

IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
1343	1341	92	92	2500
0	0	0	0	0
0	14119	753	4868	8498
0	606		0	606
0	0	0	0	0
0	103	6	0	97
0	12	0	0	12
0	0	0	0	0
0	2954	163	0	2791
1343	19135	1014	4960	14504

TOTAL CHANGE IN STORAGE = -4631

NOTES:

Kern Island Exch. Less: from BVWSD= 0

Lerdo Exch. Less: BVWSD for CWD= 0

BVWSD at Alt. 2nd Pt. Exch.: from City= 2037

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: November 2014 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	7880
LESS NON-CONTRIBUTING CANALS.....	7225
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				EXCHANGES, SALES		NET DIVERSIONS				WATER TRANS. LOSS	
RIVER STAGE	AMT.	NAME OF CANAL		DIV'R	ENT'L	To River	Distribution Direct	Distribution Pro	... OR PLUS DISTRIBUTED RELEASES NKWSD	KCC&W Co.	KDWD	OTHER	OR PURCHASES 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)		5387	7225	3850					3375						5387			
		EASTSIDE																		
		KERN RIVER CONDUIT																		
320.0	20	CASTRO					294													
		KCC&W Co.					877			1171			549						296	
330.5	10.5	SOUTH FORK					543					543		549						
410.5	80	BUENA VISTA (1-ST)					236				236									
530.5	120	JAMES (1-ST)					1726		1726											
550.5	20	ANDERSON (1-ST)					174		174											
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)		354												354				
		LERDO (NKWSD)		215											215					
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)																		
		ROSEDALE RBWSD																		
		TRUXTUN LAKES		73												73				
		AERA PARK																		
		COUNTY OF KERN														68				
		KERN VALLEY GOLF COURSE																		
		CALIFORNIA WATER SERVICE CO.														698				
		OLCESE WD														42				
		THE PARK AT RIVER WALK		32												32				
		WILSON DITCH																		
		2800 ACRES SPREADING																		
		NKWSD FOR CWD																		
		NKWSD FOR ID4																		
		BVWSD VIA CWD																		
		BVWSD VIA/ FOR KDWD																		
		BVWSD VIA KDWD (MWD WATER)																		
		BVWSD FOR La HACIENDA, INC.																		
		RIO BRAVO WELL																		
		BVWSD TRANSFER TO CITY																		
TOTALS	808			6061	7225	3850	3850	0	1900	1171	3611	543	549	549	215	1267	5387	0	296	0
	LOSS			951	655														296	
FLOW AT FIRST POINT	808			7012	7880															

ISABELLA RESERVOIR				
IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
42	2500	85	2054	403
0	0	0	0	0
208	8498	357	51	8298
0	606		6	600
236	0	4	0	232
0	97	4	0	93
0	12	0	0	12
0	0	0	0	0
1685	2791	119	0	4357
2171	14504	569	2111	13995

TOTAL CHANGE IN STORAGE = -509

NOTES:

South Fork transfer to City: In excess of carryover storage requirement= 6

CITY OF BAKERSFIELD

KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: December 2014 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....	11599
LESS NON-CONTRIBUTING CANALS.....	10895
FOR OTHERS AND FIRST POINT CANALS.....	704
TO BE CONTRIBUTED BY OTHER CANALS.....	676
TO BE USED BY OTHER CANALS.....	28
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				EXCHANGES, SALES		NET DIVERSIONS				WATER TRANS. LOSS	
RIVER STAGE	AMT.	NAME OF CANAL		DIV'R	ENT'L	To River	Distribution Direct	Distribution Pro	... OR PLUS DISTRIBUTED RELEASES NKWSD	KCC&W Co.	KDWD	OTHER	OR PURCHASES 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)		1924	10895	8845					2050						1924			
		EASTSIDE																		
		KERN RIVER CONDUIT																		
320.0	20	CASTRO			6		268													
		KCC&W Co.			16		803			1093			528						474	
330.5	10.5	SOUTH FORK			6		516					522		522						
410.5	80	BUENA VISTA (1-ST)																		
530.5	120	JAMES (1-ST)					6206		6206											
550.5	20	ANDERSON (1-ST)					573		573											
700.5	150	STINE																		
730.5	30	MEACHAM					298		298											
880.5	150	FARMERS																		
920.5	40	PLUNKET					159		159											
960.5	40	JOYCE					22		22											
1000.5	40	JOHNSON																		
1130.5	130	PIONEER (1-ST)																		
1190.5	60	BEARDSLEY (1-ST)		172												172				
		LERDO (NKWSD)		6952									4		6952					
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)																		
		ROSEDALE RBWSD																		
		TRUXTUN LAKES		163												163				
		AERA PARK																		
		COUNTY OF KERN														45				
		KERN VALLEY GOLF COURSE																		
		CALIFORNIA WATER SERVICE CO.														678				
		OLCESE WD														6				
		THE PARK AT RIVER WALK		93												93				
		WILSON DITCH																		
		2800 ACRES SPREADING																		
		NKWSD FOR CWD																		
		NKWSD FOR ID4																		
		BVWSD VIA CWD																		
		BVWSD VIA/ FOR KDWD																		
		BVWSD VIA KDWD (MWD WATER)																		
		BVWSD FOR La HACIENDA, INC.																		
		BVWSD AT ALT. 2ND POINT																		
		RIO BRAVO WELL																		
		GLEN GRUNDEIS														2				
		BVWSD TRANSFER TO 1ST PT. GRP.												10						
TOTALS			731	9304	10923	8845	8845	0	7258	1093	2050	522	532	532	6952	1159	1924	0	474	0
		LOSS		1150	676														474	
FLOW AT FIRST POINT			731	10454	11599															

ISABELLA RESERVOIR

IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE
902	403	12	776	517
0	0	0	0	0
121	8298	192	133	8094
0	600		0	600
0	232	4	0	228
0	93	2	0	91
0	12	0	0	12
0	0	0	0	0
843	4357	97	533	4570
1866	13995	307	1442	14112

TOTAL CHANGE IN STORAGE = 117

NOTES:

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

ISABELLA DAM & LAKE
KERN RIVER BASIN, CALIFORNIA
MIDNIGHT STORAGE

JANUARY — ***Units in acre-feet***

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	318	318	318	318	318	319	319	319	319	318	318	319	318	318	318	317	318	319	326	322	318	317	317	425	564	371	359	354	353	348	347
1955	9659	9705	9751	9782	9828	9866	9897	9935	9981	10062	10103	10152	10160	10160	10177	10226	10209	10234	10209	10177	10177	10177	10168	10168	10168	10168	10168	10168	10168	10168	10177
1956	79823	80916	81717	82627	83262	83714	84353	84842	85218	85556	85932	86308	86729	87000	87350	87932	88356	88707	88978	89211	89521	89793	90181	90775	97873	103902	111558	114739	117165	118398	119727
1957	130263	130263	130213	130213	130162	130162	130162	130112	130062	130062	130062	130413	130413	130413	130363	130313	130313	130263	130263	130413	130413	130363	130313	130313	130413	130363	130263	130263	130213	130213	130263
1958	101413	101413	101370	101328	101328	101328	101328	101328	101286	101286	101244	101244	101201	101201	101159	101159	101117	101117	101074	101032	100990	100947	100947	101540	102302	103293	103728	103815	103815	103771	103711
1959	198047	197981	197916	197786	197786	198177	198112	198112	198112	198112	198112	198047	197916	197851	197786	197786	197721	197655	197655	197655	197590	197590	197525	197525	197460	197460	197395	197395	197199	197004	196874
1960	71575	71542	71509	71509	71542	71509	71509	71542	71542	71608	71805	71805	71838	71970	72036	72036	72036	72036	72036	72003	72036	72036	72003	72036	72036	72069	72069	72036	72036	72036	72003
1961	29101	29101	29082	29082	29082	29064	29064	29064	29045	29045	29027	29027	29010	29010	28992	28992	28974	28957	28957	28939	28921	28921	28903	28886	28886	28921	28939	28939	28921	28921	28903
1962	17524	17524	17511	17511	17498	17498	17486	17486	17486	17473	17448	17498	17498	17498	17486	17473	17473	17473	17524	17789	17827	17802	17751	17726	17688	17663	17650	17650	17650	17650	17650
1963	82849	82849	82811	82811	82744	82736	82736	82700	82663	82590	82590	82554	82518	82481	82445	82408	82408	82372	82336	82336	82299	82299	82299	82299	82263	82263	82226	82190	82263	82886	97873
1964	169983	169983	169922	169862	169801	169741	169621	169561	169502	169384	169384	169324	169206	169067	168909	168671	168552	168552	168552	168552	168849	169028	169028	169028	169028	168968	168909	168849	168849	168790	168671
1965	118683	118920	119490	120011	120526	121352	122427	122964	123403	123647	123842	124037	124135	124135	124232	124330	124428	124575	124770	124965	125161	125307	125502	126598	127201	127602	127853	128104	128305	128456	128606
1966	171193	171073	170891	170709	170588	170467	170346	170164	170043	169982	169982	169982	169982	169982	169922	169922	169922	169922	169862	169862	169862	169801	169740	169740	169740	169680	169680	169680	169621	169680	169621
1967	309662	306252	302286	297531	293058	288301	283427	278678	274286	270475	266925	263707	260283	257110	253885	250831	247799	244640	241578	238680	236521	235445	234229	233515	232447	231027	229753	226483	227780	228132	229612
1968	199871	199806	199806	199740	199740	199740	199675	199675	199675	199937	200265	200134	200199	200199	200199	200330	200330	200265	200265	200265	200265	200265	200330	200330	200265	200199	200265	200199	200134	200068	200134
1969	124431	124381	124381	124381	124431	124431	124381	124431	124381	124332	124283	124283	124578	124824	125120	125120	125070	125465	131851	137772	146487	152658	155603	165291	208151	230248	239620	244933	248167	250386	251946
1970	225326	225256	225046	224767	224697	224627	224697	224767	225256	225955	226516	226796	226796	227007	227850	238103	243033	243982	245153	246106	246621	247062	247257	247799	248389	248463	248610	249054	248980	248832	248832
1971	172219	172582	172703	172703	172703	172763	172884	173127	173309	173430	173612	173916	174220	174524	174707	175011	175377	176050	176907	177890	178876	179432	179494	179494	179432	179309	179247	179185	179062	179062	179123
1972	122089	122089	122089	122040	121992	121992	122089	122089	122040	121992	121992	121992	121992	122040	122040	122040	122040	121992	121992	121943	121943	121943	121895	121847	121847	121798	121750	121702	121702	121702	121605
1973	55645	55617	55645	55674	55617	55533	55449	55702	56409	56693	56922	57122	57380	57610	57812	58830	60930	62743	64529	65247	65907	66476	66889	67016	67080	67399	67463	67527	67431	67367	67431
1974	206281	206347	206414	206347	206414	206747	207148	207281	207415	207549	207616	208151	208955	209425	209761	210434	212545	214428	215860	217022	218257	218807	219220	219633	219633	219978	219978	220047	220116	220116	219978
1975	223930	224000	223930	223930	224000	224139	224278	224627	224837	224837	225116	225116	225116	225046	224906	224906	224906	224906	224906	224906	224906	224906	224767	224767	224488	224488	224418	224348	224139	223721	223303
1976	170131	170131	170190	170131	170190	170309	170368	170487	170546	170784	170724	170843	170962	171021	171140	171140	171259	171438	171557	171498	171498	171557	171498	171557	171557	171617	171617	171319	170724	170427	170309
1977	67668	67697	67930	67930	67930	67864	67668	67636	67570	67505	67440	67375	67343	67278	67245	67180	67148	67115	67050	67018	67050	67018	67018	66953	66953	66888	66856	66824	66759	66727	66598
1978	44060	44226	44543	44858	45029	45520	45989	46238	46612	47317	47800	48081	48389	49062	51900	54573	57458	58985	60480	61604	62248	62680	63083	63332	63456	63581	63738	63769	63832	63894	63926
1979	244755	244458	244606	244904	245203	245128	245203	245203	245352	245054	245652	246251	246624	246924	247599	247675	247750	247675	247599	247449	247299	246999	246849	246474	246251	246101	245502	245652	245427	245427	245278
1980	208970	208970	208700	208496	208360	208292	208224	208292	208632	209719	211015	227232	250310	274831	283991	288715	291750	294307	295879	296959	297542	297956	298039	298123	297956	297625	297375	297542	298039	297873	297292
1981	229741	229669	229669	229741	229741	229741	229669	229597	229669	229669	229597	229669	229741	229741	229669	229813	229813	229813	229741	229741	229669	229669	229669	229526	229382	229166	229166	229669	231109	231182	231543
1982	168984	169461	169520	169819	171619	172160	172100	171920	171920	171920	172100	172160	172220	172220	172220	172220	172100	172039	172220	172825	172825	172885	172946	173067	173370	173611	173914	174097	174401	174522	174644
1983	261325	261170	260938	260628	260396	260319	260242	260087	260010	260164	260551	261015	261558	262099	262332	262177	262254	262177	262177	262177	261944	264120	268344	272210	275707	277705	281402	284397	287000	289125	290764
1984	312967	313823	314423	315536	316654	317340	317771	318375	318807	318720	319755	320015	319842	320101	319842	319755	320015	319842	319582	319409	319064	318977	318289	317254	315708	314251	311261	309475	307017	304991	302636
1985	244979	244829	244680	244383	244085	243787	244085	244458	244531	244458	244531	244309	243936	243787	243564	243117	242671	242302	241931	242153	242671	243117	243489	243862	244085	243862	243862	243787	243787	243862	244085
1986	195579	195645	195841	196627	196664	199916	200513	200579	200712	200845	201044	201244	201377	201576	201643	201709	201843	201976	201976	202174	202241	202374	202308	202308	202374	202374	202374	202374	202574	204246	205724
1987	244011	243936	244011	244531	244680	245278	245427	245427	245352	245352	245352	245352	245427	245352	245427	245352	245203	245278	245502	245502	245502	245427	245502	245427	245352	245278	245054	244904	244755	244680	244606
1988	143030	143303	143464	143731	144538	145023	144969	145077	144969	144862	144808	144700	144754	144700	144592	144700	144862	144969	144969	145023	145023	144915	144969	144915	144915	144862	144862	144808	144700	144538	144431
1989	73477	73444	73342	73275	73241	73342	73275	73208	73208	73208	73206	73174	72973	72939	72906	72839	72839	72872	72939	72939	72973	72906	72872	72872	72772	72705	72705	72671	72504	72303	72004
1990	85902	85978	85940	85940	85902	85940	85940	86015	86015	85978	85978	85978	86129	86167	86015	86015	85940	85940	85940	85902	85902	85940	86015	86091	86015	85940	85789	85638	85488	85376	85263
1991	45990	45966	46086	46279	46351	46279	46158	46110	46086	46062	46014	46014	45966	45990	45966	45942	45919	45942	45942	45990	45990	45990	45966	45990	45990	45966	45966	45942	45919	45895	45871
1992	89615	89499	89421	89421	89538	89538	89771	89693	89576	89499	89383	89383	89267	89189	89228	89228	89305	89305	89305	89228	89150	89112	89073	89034	88957	88918	88918	88918	88918	88918	88879
1993	82226	82226	82262	82226	82153	82189	84217	87764	88957	89460	89810	90122	90512	91219	91889	92404	92962	93962	94566	94849	95416	95945	96517	96927	97256	97503	97750	97957	98164	98289	98413
1994	242450	242450	242376	242228	242153	242079	242079	242005	242005	242005	242005	241931	242931	242931	241857	241783	241783	241708	241708	241634	241634	241560	241634	241560	241486	241338	241264	241190	241116	240968	240600
1995	115538	115538	115492	116281	116421	116468	116795	117075	117496	119288	121865	124041	125750	127229	129770	131432	132446	133108	133721	134131	134747	135211	135829	136555	137366	138430	139323	140113	140801	141436	142075
1996	246474	246474	246399	246326	246326	246326	246326	246251	246176	246101	246026	245951	245876	245801	245652	246774	249481	250009	251522	252127	252507	252811	252735	252963	253572	254027	254409	255096	255555	255860	256396
1997	253267	265992	301715	317599	327408	334267	339774	344518	348663	352286	355475	358861	361985	364569	367906	370602	373123	375559	377814	380549	383104	386429	392159	396487	404136	414614	421737	427018	430625	432936	434546
1998	242671	242820	243043	243266	243266	243117	243043	243043	243415	243787	244011	244383	244829	244755	245203	246924	247299	246474	245876	244829	244309	244011	243862	243638	243489	243340	243043	242599	242450	242228	242005
1999	244829	244904	244829	244829	244829	244755	244755	244829	244755	244755	244680	244606	244680	244755	244755	244680	244755	244829	245278	246849	247750	247675	247599	247825	248576	249103	249103	248953	248802	248726	248651
2000	168448	167854	167794	167735	167735	167676	167735	167735	167676	167616	167616	167616	167735	167794	167854	167854	167913	167972	167913	167676	167321	166907	166493	166729	167380	167735	167735	167557	167321	167203	167616
2001	129569	129569	129569	129569	129620	129620	129620	129670	129670	129770	130323	130273	130273	130222	130172	130122	130122	130071	130222	130273	130222	130172	130172	130273	130323	130424	130323	130273	130222	130222	130172
2002	106607	106959	107222	107398	107487	107575	107663	107796	107840	107840	107796	107796	107796	107752	107708	107663	107575	107619	107531	107575	107531	107531	107531	107442	107398	107354	107487	107487	107487	107442	107487
2003	138326	138430	138640	138850	139060	139218	139271	139428	139585	139743	139954	140060	140113	140166	140324	140430	140536	140695	140854	140958	141011	141117	141171	141277	141436	141596	141649	141755	141862	141915	142022
2004	148615	148780	148890	148835	148780	148725	148835	148890	148890	148945	149054	149274	149494	149715	149880	150101	150322	150376	150487	150709	150819	150875	150819	150764	150764	150764	150819	151041	151152	151208	151263
2005	94123	94123	94123	94123	94083	94043	94083	94123	98703	106739	114429	117778	119288	120285	120953	121432	121913	122345	122732	123166	123797	124478	124967	125555	126538	127477	128620	129369	129971	130424	130775
2006	249103	252279	255402	256319	256626	256549	256473	256703	256779	256549	255860	254943	253801	252583	251673	250688	249179	248051	247074	245726	244904	244979	244829	244755	244755	244680	244606	244606	244680	244755	244904
2007	226875	226875	226804	226804	227304	227447	227518	227590	227518	227518	227662	227733	227733	227662	227447	227304	227161	226946	226804	226661	226518	226304	226092	225949	225807	225664	225593	225522	225166	224102	223182
2008	107442	107487	107619	108017	111146	112688	113374	113831	114245	114614	114982	115214	115399	115399	115399	115399	115399	115399	115306	115121	115029	114936	114890	114890	114936	115121	115260	115492	115445	115399	115306
2009	117122	117355	117778	118154	118436	118767	119003	119193	119525	119714	119999	120285	120524	120762	121049	121145	121288	121288	121336	121192	121049	121145	121913	122587	123312	123895	124187	124429	124674	124820	124967
2010	110830	111101	111327	111507	111734	111961	112233	112461	112688	112916	113145	113374	113877	114337	114568	114845	115121	115910	116795	117731	118672	119288	119809	120333	120905	121432	121865	122345	122683	123022	123361
2011	235461	236118	236557	236191	235461	234369	233425	232337	231182	230224	226951	227662	226518	225451	224457	223748	223252	222899	222899	222757	222476	222335	222124	221912	221560	221208	220787	220366	219874	219804	219664
2012	167203	167143	167084	167025	167025	166847	166847	166847	166729	166670	166729	166670	166670	166552	166374	166256	165904	165492	165197	165374	167025	167794	168865	169640	170119	170478	170537	170657	170597	170597	170537
2013	83734	83698	83624	83550	83476	83513	83476	83402	83402	83476	83513	83624	83624	83698	83513	83328	83107	82849	82666	82446	82299	82116	82116	82262	82666	82812	82922	82959	82849	82629	82519
2014	59832	60036	60153	60094	60007	59920	59861	59775	59717	59630	59514	59543	59485	59485	59369	59398	59282	59167	59052	58937	58822	58678	58563	58392	58250	58107	58022	57936	57851	57851	57993
Max.	**312967**	**313823**	**314423**	**317599**	**327408**	**334267**	**339774**	**344518**	**348663**	**352286**	**355475**	**358861**	**361985**	**364569**	**367906**	**370602**	**373123**	**376559**	**377814**	**380549**	**383104**	**386429**	**392159**	**396487**	**404136**	**414614**	**421737**	**427018**	**430625**	**432936**	**434546**
Min.	**318**	**318**	**316**	**318**	**318**	**319**	**319**	**319**	**319**	**318**	**318**	**319**	**318**	**318**	**318**	**317**	**318**	**319**	**328**	**322**	**318**	**317**	**317**	**425**	**564**	**371**	**359**	**354**	**353**	**348**	**347**
Ave.	**151177**	**151451**	**152079**	**152359**	**152621**	**152766**	**152872**	**152986**	**153139**	**153362**	**153630**	**154040**	**154527**	**165000**	**155254**	**155633**	**155933**	**156088**	**156356**	**156589**	**156874**	**157136**	**157393**	**157778**	**158856**	**159560**	**159989**	**160265**	**160432**	**160550**	**160897**

ISABELLA DAM & LAKE
KERN RIVER BASIN, CALIFORNIA
MIDNIGHT STORAGE

FEBRUARY

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	344	342	340	336	336	335	333	335	336	333	332	334	534	510	397	380	377	388	375	368	365	363	357	353	351	350	346	344			
1955	10185	10160	10152	10152	10152	10152	10152	10160	10168	10177	10144	10144	10152	10161	10161	10193	11315	12134	12290	12392	12476	12559	12596	12606	12606	12606	12616	12626			
1956	120818	121596	122524	123208	123988	124770	125307	125845	126397	127050	127552	127954	128305	128506	128556	128606	128606	128656	128656	128707	128707	128707	128707	128707	128707	128707	128707	128606	128606		
1957	130263	130263	130213	130162	130162	130162	130313	130614	130715	130715	130815	130815	131021	131176	131279	131383	131486	131537	131537	131486	131486	131434	131537	131692	132362	132672	132826	133291			
1958	103771	104032	104119	104468	104773	104948	105122	105339	105470	105600	105644	105861	106123	106297	106471	106558	106689	106907	107395	107708	107931	108155	108379	108693	111696	113494	114416	114555			
1959	196678	196352	196222	196026	195831	195636	195571	195505	195375	195375	195571	195571	195701	195766	196092	196418	196808	197134	197264	197329	197329	197329	197264	197264	197264	197264	197264	197329			
1960	72849	75437	76031	76312	76454	76595	76700	77334	79896	80843	81535	82008	82372	82700	82924	83225	83413	83636	83854	84014	84127	84240	84353	84428	84503	84503	84503	84616	84729		
1961	28903	28886	28858	28868	28850	28833	28833	28833	28815	28815	28797	28780	28762	28762	28744	28744	28762	28709	28691	28691	28673	28656	28656	28656	28638	28638	28620	28620			
1962	17650	17638	17638	17638	17625	17613	17650	20332	23724	26937	31106	33986	35517	36644	37824	38994	39776	40449	41130	41789	42184	42627	42859	43138	43301	43371	43417	43394			
1963	127803	139518	144847	148359	150972	153046	154752	156287	157765	159911	161597	162876	164261	165468	166536	167426	168256	169028	169621	170346	170952	171436	171920	172404	172827	173312	173657	174280			
1964	168552	168434	168256	168019	167781	167544	167307	167070	166833	166595	166536	166476	166358	166239	166179	166179	166120	166061	166001	165883	165705	165408	165112	164756	164459	164162	163866	163631	163515		
1965	128757	128907	129058	129158	129309	129560	129660	129711	129711	129660	129610	129560	129510	129409	129309	129108	128857	128556	128205	127853	127251	126799	126347	125697	125063	124330	123988	123549			
1966	169680	169680	169680	169740	169982	170285	170406	170406	170406	170346	170224	170164	170164	170164	170104	170104	170104	170043	170043	169983	169983	169983	169922	169801	169502	169265	168909	168434			
1967	231665	233301	234801	236162	237527	238825	240199	241578	242815	244274	245813	247357	248980	250757	252170	253567	254633	255082	255608	255758	255758	255758	255532	255157	254708	254408	254184	253811			
1968	200068	200068	200068	200134	200002	199806	199675	199609	199675	199740	199806	199675	199544	199348	199086	198825	199348	199937	200068	200330	200658	201381	201908	202435	202831	203029	203162	203162	203162		
1969	253213	254409	255307	255983	256609	258543	259223	259904	260662	260586	259601	258845	257939	256564	256058	255532	254334	253064	251872	250312	248832	247062	246180	246841	251945	254706	255757	256358			
1970	249128	249349	249497	249720	249942	250164	250312	250535	250683	251277	251872	252244	252691	253288	253586	253810	254035	254334	254483	254633	254783	255008	255232	255532	255757	255983	256058	256734			
1971	179123	179123	179123	179062	178875	178875	178691	178506	178260	178013	177890	177706	177644	177521	177460	177460	177214	177030	176907	176907	176785	176478	176172	175622	175255	174768	174159	173551			
1972	121605	121557	121460	121412	121557	121702	121847	121798	121750	121702	121653	121557	121508	121412	121315	121122	121026	120833	120593	120401	120161	119970	119915	118920	118540	118208	117736	117311			
1973	67495	67431	67367	67335	67463	67752	68170	68428	68558	68914	69926	70980	71712	72415	73022	73394	73768	74109	74417	74726	74932	75139	75381	75658	75832	76075	76354	77124			
1974	220047	220116	220116	219909	219909	219633	219427	219151	218738	218394	217845	217296	216954	216201	215587	214632	213952	212866	211784	210906	209828	208821	208084	207081	205614	204486	203624	202501			
1975	222886	222400	221637	221637	221499	221360	221084	220945	221084	221984	222192	222192	222261	222261	222192	222192	221984	221637	220807	220600	220254	219840	218669	217962	217091	216201	215177	214156			
1976	170131	169893	169420	169243	169065	169138	169302	169124	169716	169893	169953	169893	169834	169893	169893	169893	169953	169716	169953	170012	169953	169716	169302	169065	168711	168298	167769	167122	166829		
1977	66630	66598	66565	66533	66501	66436	66404	66275	66308	66308	66243	66179	66115	66051	65967	65922	65858	65794	65730	65571	65635	65698	65730	65698	65603	65507	65411	65220			
1978	63957	64020	64051	64051	64208	65252	67406	70763	82683	84425	99289	103270	106423	108783	110632	112410	113974	115460	116863	118278	119608	120996	122442	123850	125318	126550	127838	129436			
1979	245352	245577	245427	245352	245352	245427	245427	245502	245577	245502	245577	245577	246176	247900	249103	249556	249858	249658	250159	250537	251597	252355	252963	253267	253496	253877	254104	254409			
1980	296544	295796	295052	294307	293399	292574	291914	291011	289943	288633	287408	286103	284884	284072	283828	285372	289697	316138	333119	344678	354927	361708	366884	370975	373779	375935	378286	380927	383199		
1981	231686	231830	231903	232047	232120	232265	232265	232845	233641	234005	234151	234369	234515	234660	235098	235315	235972	237288	237508	238169	238243	238243	238390	238463	238463	238696	237875				
1982	174766	174888	174583	174644	174279	173732	172825	172160	171258	170957	170597	170238	169700	169819	170119	173550	176353	177888	178936	179926	180795	181604	182354	182730	182979	193041	183230	183104			
1983	291832	292491	292821	292904	293317	295135	300040	304401	307441	309475	310750	312285	316568	319755	322006	324352	326270	328194	330300	331974	333561	335064	336570	337637	339061	342725	350200	357027			
1984	298623	296211	293565	290847	288224	285533	282858	280194	277625	276186	274752	273478	272051	271814	271024	271024	271418	271340	271261	270787	269918	269210	268423	267480	267325	266933	265992	265134	264354		
1985	244160	244458	244660	244829	244979	244904	244755	245128	245352	245427	245054	244829	244458	244085	243564	242969	242228	241634	240674	240230	239566	238905	238243	237582	236850	236118	235386	234660			
1986	206331	206736	206671	207275	207411	207614	207750	207817	208021	208360	208428	210197	224032	230532	238463	245352	250310	260087	274991	284803	290929	295550	299374	302720	306004	309220	312371	315450			
1987	244531	244458	244383	244309	244234	244160	244085	244011	243862	243862	244011	243862	244606	246251	246326	246326	246026	245652	245577	245427	245427	245128	245128	244979	244755	244383	244011	243713			
1988	144377	144377	144377	144269	144215	144106	144000	143785	143464	143250	142982	142661	142340	142128	141808	141596	141330	140905	140536	140113	139638	139113	138588	138013	137491	136970	136503	136296	136036		
1989	71606	71342	71342	71473	71573	71408	71342	71441	71539	71606	71506	71441	71375	71309	71243	71210	71177	71111	71276	71309	71276	71375	71606	71605	72004	72337	73040	73376			
1990	85113	85038	84851	84701	84590	84441	84329	84291	84254	84217	84180	83994	83845	83698	83550	83439	83365	83402	83291	82996	82849	82629	82446	82299	82080	81897	81679	81570			
1991	45847	45799	45799	45752	45726	45728	45704	45680	45656	45632	45585	45537	45561	45561	45561	45513	45465	45465	45442	45418	45418	45370	45370	45370	45347	45324	45300	45347			
1992	88763	88725	88686	88648	88570	88532	88493	88532	88570	88609	88686	89034	89228	89267	89383	89383	89421	89421	89305	89228	89305	89383	89460	89460	89388	89344	89344	89383	89421		
1993	98537	98662	98745	98828	98870	99037	99287	99915	100756	101433	101614	102155	102325	102496	102624	102709	102860	103180	103567	104473	104992	105471	106959	108327	109216	110156	110966	111418			
1994	240009	239271	238390	237949	237435	236850	236631	236850	236850	236850	236777	236777	236631	236484	236484	236411	236557	236777	236850	237070	236950	236557	236191	235972	235753	235534	235171	234660			
1995	142928	143946	144862	145726	146540	147357	148122	149054	149660	150156	150542	150930	151541	153998	155858	156992	157903	158704	159506	160368	161351	162336	163441	164553	165668	166788	167913	168925			
1996	256933	257317	257701	258161	261015	263265	264822	266071	267246	268226	269289	270313	271103	271893	272765	273637	274353	275150	277625	292244	299873	304823	307864	310494	312796	314849	316654	318116	319409		
1997	436061	437474	436284	438487	438687	438788	438588	438284	437879	437069	435758	434042	432432	430826	429019	427018	425222	423626	421637	418860	416094	413727	410879	407745	404526	401030	397837	394560			
1998	242302	244234	244606	244606	244160	243787	244160	244680	244531	244011	243489	243043	242376	245054	246877	250310	250840	250612	250612	250915	251825	257653	267715	274274	278106	280678	282696	283910			
1999	248500	248201	247675	247074	246474	245801	245352	245502	245352	245726	245352	244904	244531	244606	244755	244755	244979	245054	245203	245427	245502	245427	245352	245203	245054	244979	244979	244829			
2000	167794	167735	167676	167616	167616	167557	167499	167499	167440	167499	167735	167972	169222	171258	172764	173672	174157	174583	174766	175069	175619	175925	176597	176842	177149	177457	177826	178318	178688		
2001	130172	130222	130222	130222	130222	130172	129971	129870	129820	129870	130172	130172	130323	130323	130323	130474	130474	130373	130323	130323	130323	130323	130323	130826	130876	130927	130927	130927			
2002	107531	107531	107663	107708	107708	107752	107796	107885	107840	107796	107708	107708	107708	107708	107663	107663	107575	107575	107663	107619	107663	107619	107575	107487	107398	107442	107398	107531	107619		
2003	142022	142182	142287	142182	142128	142022	141808	141649	141649	141702	141862	142554	143089	143677	144646	145401	146215	146812	147303	147738	148231	148780	149274	149770	150432	150986	151374	151652			
2004	151319	151597	151762	151965	152097	152208	152320	152487	152599	152711	152822	152990	153046	153102	153157	153269	153437	153717	153942	154111	154223	154336	154504	154616	155010	156970	156765	157389	157903		
2005	130977	131179	131382	131686	131989	132294	132548	132905	133159	133465	133670	133875	134131	134438	134747	135004	135314	136036	136919	137804	139008	140483	141649	142607	143410	144161	144808	145401			
2006	245054	245278	245502	245577	245726	245801	245801	245801	245801	245801	245801	245801	245801	245726	245502	245203	245054	245054	245128	245128	245128	245054	244979	244904	244829	244755	245352	248051			
2007	222618	222124	221771	221278	220858	220647	220436	220225	220085	220015	220506	220647	220717	220647	220576	220647	220647	220647	220658	220996	221067	220996	221067	220996	220996	220996	221348	221489			
2008	115214	115306	116421	116841	117075	117261	117308	117449	117778	118060	118296	118531	118625	118909	119098	119240	119383	119525	119714	120190	120809	121960	123360	125065	126932	128122	129170	130222	131230		
2009	125016	125016	124967	124967	124967	125065	125212	125310	125506	125603	125652	125800	125898	125947	126095	126243	126341	126538	126588	126637	126785	127081	127874	129070	129720	130323	131129	131534			
2010	123700	123992	124284	124625	125114	125947	126736	127378	128172	128670	129170	129670	130122	130624	131230	131837	132497	133108	133772	134438	135262	136244	136867	138535	140377	141596	143250	144538			
2011	219945	220085	220085	220155	220295	220295	220155	220436	220576	220506	220015	219594	219244	218826	218267	217709	217153	216110	215003	213692	212316	210810	209311	207682	206533	205187	204045	203175			
2012	170418	170478	170358	170358	170418	170418	170418	170238	169939	169520	169102	168746	168746	168806	168806	168806	168806	168686	168806	168865	168567	168567	168627	168627	168567	168627	168448	168270	168091		
2013	82409	82372	82446	82482	82372	82446	82372	82299	82299	82153	82189	82336	82336	82372	82372	82336	82336	82226	82299	82299	82409	82409	82462	82556	82446	82409	82336	82299			
2014	58250	58420	58478	58592	58678	58822	58937	58994	59138	59282	59340	59282	59224	59167	59081	59023	58994	59023	59081	59138	59167	59253	59340	59456	59465	59514	59501	60211			
Max.	**436061**	**437474**	**436284**	**438487**	**438687**	**438788**	**438588**	**438284**	**437879**	**437069**	**435758**	**434042**	**432432**	**430826**	**429019**	**427018**	**425222**	**423626**	**421637**	**418860**	**416094**	**413727**	**410879**	**407745**	**404526**	**401030**	**397837**	**394560**	**383199**		
Min.	**344**	**342**	**340**	**336**	**336**	**335**	**333**	**335**	**336**	**333**	**332**	**334**	**534**	**510**	**397**	**380**	**377**	**388**	**375**	**368**	**365**	**363**	**357**	**353**	**351**	**350**	**346**	**344**	**84729**		
Ave.	**161466**	**161801**	**161922**	**162001**	**162098**	**162231**	**162392**	**162656**	**163063**	**163438**	**163644**	**163822**	**164245**	**164656**	**165039**	**165399**	**165748**	**166471**	**167110**	**167774**	**168211**	**168610**	**169015**	**169350**	**169728**	**170168**	**170307**	**170590**	**179499**		

ISABELLA DAM & LAKE
KERN RIVER BASIN, CALIFORNIA
MIDNIGHT STORAGE

MARCH

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	342	342	341	336	331	331	331	331	623	569	492	434	374	360	357	369	384	387	379	390	403	390	387	399	408	407	417	455	463	521	487
1955	12626	12606	12596	12596	12596	12596	12606	12606	12606	12596	12532	12281	11948	11734	11507	11255	10917	10592	10266	9958	9667	9444	9237	9042	8862	8668	8495	8300	8139	7869	7453
1956	128456	128405	128355	128004	128004	128054	127903	127652	127301	126548	125946	125358	124330	123549	122524	121303	120391	119300	118778	118350	118350	118540	119110	119632	120296	121255	122329	123452	124526	125551	127150
1957	133291	133239	133168	133136	133033	133136	133136	133084	133033	132981	132878	132620	132620	132776	132776	132723	132620	132517	132414	132104	131898	131486	131125	130765	130464	130162	129861	129610	129309	128907	128456
1958	114555	114555	114601	114647	114647	114647	114693	114739	114739	114831	114923	115016	115062	115154	116168	117353	119680	121450	122720	124135	126448	129158	131176	132672	133961	135044	136131	137137	137877	138724	139836
1959	197329	197395	197460	197525	197460	197375	197329	197264	197069	196808	196483	196157	196026	195896	195636	195310	194854	194401	193825	193313	192672	192096	191648	191264	191008	190880	190880	190880	190880	190752	190688
1960	84804	84917	84992	85105	85218	85368	85706	86120	86458	86845	87078	87427	87893	88291	88513	88746	88823	88901	89017	89133	89327	89405	89444	89366	89250	89172	89366	90161	90735	91015	91414
1961	28603	28585	28567	28549	28549	28638	28620	28603	28603	28567	28532	28443	28319	28213	28266	28231	28213	28178	28160	28142	28142	28125	28107	28107	28142	28160	28160	28178	28213	28213	28195
1962	43371	43371	43371	43371	43371	43417	43440	43417	43394	43371	43324	43278	43278	43278	43231	43134	43045	42906	42697	42464	42115	41719	41055	40449	39798	39125	38192	37413	36790	36185	35621
1963	174764	175128	175491	175856	176103	176350	176659	176782	176967	177029	176967	176967	176967	176844	176597	176720	176720	176659	176659	176659	176782	176967	177029	177090	177214	177276	177399	179127	180855	181904	182701
1964	163282	163166	162817	162469	162004	161655	161307	160842	160376	160086	159679	159389	159214	158866	158691	158401	158227	157994	157822	157652	157538	157708	157708	157652	157595	157652	157708	157822	157936	158227	158633
1965	123110	122671	122329	121840	121352	120818	120248	119632	118673	118066	117924	116019	117924	117734	117450	117260	117117	117117	117117	117117	117117	117117	117117	117165	117165	117165	117212	117212	117260	117307	117402
1966	168019	167604	167070	166476	165823	165171	164518	163631	162934	162236	161597	160842	160086	159388	158633	157822	157083	156344	155776	155264	154742	154410	154183	154126	154070	154070	154070	154183	154410	154638	154979
1967	253512	253288	253064	253064	252989	252766	252542	252319	252021	251946	251872	251946	252170	252319	252393	253064	256133	258316	260358	262181	264012	265772	267463	269392	271018	272494	273974	275615	277105	278442	280335
1968	203228	203228	203095	202897	202435	201908	202435	202765	202765	202897	203029	203095	203095	203426	203691	204088	204419	204486	204618	204685	204518	204552	204552	204552	204552	204552	204685	204751	204950	205149	205415
1969	256809	256659	256433	255983	255232	253960	252244	250090	248167	246106	243909	241287	237959	233800	229188	224557	220392	216338	212595	208419	204486	200265	195896	192028	188074	184227	180733	177890	175866	174829	175133
1970	257261	257864	258165	258769	259374	259752	260207	260586	260889	261573	261877	262258	262486	262867	263248	263554	263859	264012	264012	263783	263554	263325	262943	262562	262182	262182	262182	262410	262410	262410	262258
1971	172763	171917	170953	170111	169332	168555	167483	166474	165350	164289	163174	162355	161771	160840	160317	159622	159217	158813	158525	158295	158180	158065	158065	158237	158352	159102	160491	161771	162939	163878	164937
1972	117029	116559	116419	116372	116325	116091	115764	115624	115298	115066	115020	115020	115112	115345	115531	115624	115811	115998	116138	116185	116372	116419	116700	116841	116841	116888	116982	116841	116841	116700	116606
1973	77630	78504	79040	79614	79866	80372	80698	81171	81537	81830	82345	82677	82899	82899	82862	82862	82825	82936	83159	83680	84428	84993	85371	85787	86244	86894	87585	88436	89019	89605	90114
1974	201710	203757	204618	204618	204419	204220	204887	205083	205681	206214	206547	207014	207415	208084	208754	209761	210636	211581	212392	213205	214020	214973	215860	216885	218051	219151	219978	220945	222470	224069	225605
1975	213341	212595	211651	210838	210030	209089	208352	207816	207482	207081	207215	207081	206681	206614	206414	206414	206347	206214	206147	206014	206081	206547	206881	207081	208017	209224	209896	210030	210098	210299	210434
1976	166888	166712	166420	166069	165485	164961	164554	164147	163625	163104	162527	162123	161491	161031	160687	160344	160001	159544	159259	158917	158633	158179	157725	157386	157159	156933	156820	156651	156538	156425	156256
1977	65125	65030	64934	64808	64713	64555	64429	64240	64020	64051	63988	63957	63863	63769	63581	63488	63394	63394	63363	63332	63301	63269	63176	63145	63269	63269	63238	63145	63145	63114	63052
1978	132516	138394	144004	156031	166829	173531	178370	182423	186091	189171	192216	194969	197226	199303	201327	203430	205610	207938	210348	212774	215761	220080	223681	226824	229921	233185	236546	240007	243204	246866	254057
1979	254867	255173	255479	255936	256396	256856	257470	258238	259394	260474	261480	262177	262876	263420	263964	265134	265836	266384	267168	268030	268738	269368	269918	270550	271182	271893	273321	275310	276506	277785	278909
1980	384338	386048	388239	390053	392063	393696	395137	395812	396391	396198	395041	393888	392639	391298	390053	389099	387762	386524	385477	383768	382158	380455	378380	376687	374998	372845	370695	368647	366605	364754	363000
1981	237949	237728	237362	237070	237070	237070	236924	236850	236704	236484	236265	236191	235972	235899	235680	235388	235244	234952	235461	235826	236484	237070	237728	238169	238537	239198	239787	240157	240378	240894	241264
1982	182916	182916	183292	183481	183669	183732	183607	183481	183292	183481	185180	186953	188289	189631	191043	192397	194277	195516	196692	197807	198992	200117	201244	202441	203644	204649	205926	207074	208768	209856	211289
1983	367906	378286	386715	393119	397837	402193	406475	410879	414811	418466	421637	424124	428716	435859	439600	441934	444478	446722	448154	449381	450920	452665	454929	458026	459888	461029	462065	463416	464145	465289	467478
1984	263574	262954	262487	262323	261866	261403	261015	260474	260087	259855	259932	259701	259548	260783	261325	261944	262643	263187	263420	263574	264276	264978	265914	267011	268030	269210	270550	271972	273478	274672	275787
1985	233767	233425	232917	232410	231830	231830	231543	231109	230821	230460	229884	229310	228663	228161	227805	227447	227089	226732	226589	226375	226020	226163	226234	226304	226304	226518	228520	229884	230748	231543	232337
1986	318289	321139	323569	326008	328194	330388	332589	342277	350926	359502	366512	372936	378003	382345	386334	389766	392351	394560	396487	398223	399866	401604	403846	405696	407354	409114	410977	413630	415699	418761	421836
1987	243192	242671	242079	241412	241264	242079	242228	242228	242079	241708	241412	240968	240526	239935	239861	239640	238758	238463	238390	237949	237949	237949	237875	237949	238096	238316	238537	238831	239198	239640	239935
1988	135726	135469	135159	134901	134592	134337	134029	133670	133516	133312	133058	132701	132344	131989	131534	131129	130775	130524	130373	130172	129870	129720	129519	129369	129419	129369	129270	129220	129120	129070	129020
1989	73477	75075	77922	79125	80018	80989	82299	83883	85526	86925	88186	89383	90473	91376	92127	92722	93561	94043	94606	95254	95864	96599	97626	98870	100251	101644	102709	103653	104818	106037	107266
1990	81368	81207	81134	81062	80682	80593	80232	79874	79516	79231	78983	76770	78592	78345	78204	78133	78063	78028	77992	77922	77852	77816	77746	77781	77852	77992	78098	78204	76275	78309	78275
1991	45704	45695	45966	49411	58307	60299	61270	61803	62101	62221	62370	62400	62430	62460	62430	62341	62191	62161	62161	62370	62521	62641	62701	62731	62911	63214	63426	63547	63760	63973	64218
1992	89460	89499	89460	89499	89538	89538	89499	89383	89383	89383	89267	89267	89228	89189	89189	89112	89034	89034	88995	88957	88957	88995	89189	89267	89228	89150	89112	89034	88995	88995	89034
1993	111688	112006	112370	112738	113190	113649	114153	114706	115121	115260	115538	116003	115514	117215	118249	119430	120619	122925	124869	126588	128421	130222	132141	134029	136296	139743	142875	145456	147684	149715	151708
1994	233932	233062	232192	231398	230748	230821	230821	230748	230676	230532	230604	230748	230676	230604	230388	230172	230388	230532	230676	230893	230821	230676	230748	230821	230821	230821	230821	230532	230028	229526	229094
1995	169461	170059	170537	171559	173914	177211	179183	180671	182041	189887	203243	211495	217014	221630	226092	230028	233569	236557	240230	244011	248425	252431	255708	258161	260164	261711	263031	264042	265056	265836	266541
1996	320534	321485	322440	323308	326970	329072	330740	332325	333915	335507	337104	339417	341739	343530	344968	346497	348211	350019	352016	354381	356753	359318	361985	364291	366327	368092	369672	371722	373779	375653	377534
1997	391011	387001	383009	379134	375277	371909	368647	365660	362815	360329	358035	356023	354199	352832	351652	350563	349477	348211	346858	345866	345148	344518	344608	344878	345328	345866	346948	348572	350472	351925	352923
1998	284965	285859	286674	287652	288551	289125	289615	289615	289453	289207	289125	289289	289861	290600	290929	292244	293565	295550	297708	299873	302217	304738	307864	311773	316824	320621	324265	328194	330916	333385	335862
1999	244904	244979	244979	245128	245352	245652	245951	246101	246326	246474	246474	246624	246774	246999	247299	247449	247599	247900	248051	248201	248425	248726	249103	249300	249632	250085	250537	250840	251294	251597	251977
2000	179059	179431	179739	180049	180857	181230	181604	181916	182291	182604	182916	183355	183921	184612	185370	186191	187207	188097	188800	189631	190016	190208	190465	190850	191172	191430	191688	192140	192461	192850	193239
2001	130876	130876	130876	130927	130876	130725	130725	130674	130624	130624	130624	130524	130474	130474	130474	130524	130624	130775	131078	131382	131736	132192	132752	133363	134060	134798	135572	136399	137386	138535	139743
2002	107752	107752	107752	107752	107663	107708	107973	108282	108371	108460	108504	108504	108593	108682	108727	108771	108950	109083	109128	109173	109261	109261	109439	109753	109977	110067	110246	110380	110560	110830	111282
2003	151874	152097	152264	152431	152655	152822	152990	153046	153102	153157	153213	153381	153549	153717	154954	157503	159161	160484	161582	162568	163616	164553	165550	166552	167499	168270	169401	170597	171679	172825	173975
2004	158646	159276	159678	160081	160541	161119	161640	162161	162859	163733	164728	165668	166670	167676	168746	169679	171198	172643	174279	175986	177703	179431	181169	182979	184549	186064	187779	188992	189951	190914	191946
2005	146052	146703	147412	148122	148890	149660	150487	151430	152543	153942	155688	157675	159966	162394	164436	166256	167913	169580	171318	173430	175252	177888	182542	185623	188161	190401	192591	195059	197216	199455	201510
2006	250385	251977	253420	254714	255860	257086	258623	259932	261093	262410	263652	264744	265914	266776	267794	268816	269839	270866	271734	272448	273162	273876	274513	275230	276186	277306	278586	281162	284072	286103	288060
2007	221771	222124	222406	222618	222688	222618	222547	222476	222194	222053	221912	221771	221771	221912	222265	222757	223323	223748	224032	224386	224740	224882	224811	224740	224598	224811	225024	225308	225522	225664	225807
2008	132141	133159	133670	134029	134438	134592	134592	134953	135520	135985	136555	137438	138378	139481	140430	141277	141808	142234	142661	143250	143892	144646	145347	145943	146540	146975	148012	148725	149825	151041	152041
2009	131989	132548	133261	133977	134490	134953	135417	135726	135985	136192	136296	136503	136763	136919	137022	137126	137178	137386	137804	138273	138850	139638	139954	140166	140166	140536	141011	141596	142182	142982	143518
2010	145456	146215	147030	148012	148835	149604	150432	151041	151374	151762	152152	152487	153157	153998	154728	155575	156027	156935	158017	159161	160310	161293	162336	163324	164201	165139	166022	166670	167321	168091	169222
2011	202508	201976	202042	202574	203176	203778	205389	206939	208157	209242	210402	211632	212385	213417	214312	215557	216944	218057	219454	221067	222828	224173	226020	228090	230100	231830	232990	235899	238390	242376	245054
2012	167972	168091	168091	168032	168032	167735	167440	167203	167143	167025	166966	166907	166847	166966	167025	167203	167854	168091	168210	168329	168567	168746	169043	169281	169760	169939	170238	170358	170657	170897	170957
2013	82299	82169	82299	81970	82080	82080	82153	82299	82666	82849	82996	82996	82996	82996	83107	83513	83920	84366	84701	84963	85300	85638	85902	86091	86356	86544	86620	86848	87039	87268	87382
2014	60680	60856	60974	61151	61298	61240	61298	61298	61240	61181	61122	60945	60827	60621	60504	60358	60328	60241	60182	60094	60036	59949	59804	59746	59601	59543	59630	59630	59601	59659	59775
Max.	**391011**	**387001**	**388239**	**393119**	**397837**	**402193**	**406475**	**410879**	**414811**	**418466**	**421637**	**424124**	**428716**	**435859**	**439600**	**441934**	**444478**	**446722**	**448154**	**449381**	**460920**	**452665**	**454929**	**458026**	**459888**	**461029**	**462065**	**463416**	**464145**	**465289**	**467478**
Min.	**342**	**342**	**341**	**336**	**331**	**331**	**331**	**331**	**623**	**569**	**492**	**434**	**374**	**360**	**357**	**369**	**384**	**387**	**379**	**390**	**403**	**390**	**387**	**399**	**408**	**407**	**417**	**455**	**463**	**521**	**487**
Ave.	**170969**	**171372**	**171722**	**172168**	**172712**	**173061**	**173364**	**173716**	**174032**	**174426**	**174904**	**175294**	**175631**	**176018**	**176344**	**176710**	**177123**	**177499**	**177900**	**178290**	**178764**	**179284**	**179841**	**180398**	**180950**	**181606**	**182129**	**182855**	**183534**	**184234**	**185017**

ISABELLA DAM & LAKE
KERN RIVER BASIN, CALIFORNIA
MIDNIGHT STORAGE

APRIL

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	482	500	517	536	566	590	590	609	650	660	663	654	679	761	1104	2124	3490	5028	6549	8045	9545	11115	12740	14570	16144	17408	18696	20550	22070	23322	
1955	7058	6734	6438	6140	5855	5554	5286	5062	4876	4692	4554	4453	4411	4422	4408	4419	4426	4445	4422	4375	4330	4505	4722	4961	5229	5440	5603	5752	5884	6005	
1956	128506	129911	131176	132259	133342	134528	135714	137137	138618	140206	142025	144521	146583	148526	150361	152364	154183	155945	157538	159214	160667	162236	163925	165942	167485	169026	170406	171557	172525	173615	
1957	127954	127452	127000	126749	126498	126146	125845	125502	125356	125161	124965	124721	124477	124330	124232	123940	124135	124477	124623	124672	124672	124672	124770	124868	125014	125161	125307	125453	125551	125600	
1958	141106	142567	145444	147748	150249	152139	154126	155946	157708	159970	161830	164044	166358	168790	171375	174036	177090	181040	185488	190496	196352	202170	206878	210777	213745	216683	219155	222189	225121	227426	
1959	190588	190752	191008	191200	191328	191648	191840	192032	192288	192480	192672	192864	193121	193313	193505	193569	193569	193761	194081	194273	194465	194854	195180	195505	195961	196418	197004	197460	197851	198436	
1960	91694	92054	92454	93014	93573	94093	94703	95320	95896	96555	97131	97706	98119	98532	99083	99676	100226	100735	101413	102175	103118	104294	105426	106166	106863	107663	108648	109454	110125	110931	
1961	28213	28249	28372	28585	28974	29360	29748	30080	30265	30450	30598	30802	31010	31222	31434	31723	32186	32706	33163	33504	33766	33986	34167	34348	34508	34628	34729	34850	34954	35038	
1962	35038	34328	33705	33263	33143	33404	33986	35038	36560	38214	39529	40808	42347	44205	46614	48935	51446	54524	57668	60661	63075	65397	68136	71278	74382	77017	79532	82226	84729	86612	
1963	183664	184230	184734	185299	185813	185928	187060	189023	190496	191648	192608	193569	194209	195115	196222	197655	198829	199806	200763	201905	202767	203761	204889	205751	206613	207541	208617	209494	210507	211586	
1964	159098	159853	160260	160493	160667	160900	161016	161133	161249	161597	162062	162643	163398	164221	164993	165824	166714	167485	168137	168671	169087	169561	169922	170184	170346	170467	170588	171073	171436	171659	
1965	117829	118066	118540	118730	118920	119110	119300	119585	120154	120486	120818	121303	121791	122378	123110	124086	125161	126297	127652	129560	131540	134064	136342	138618	141265	144087	147359	150194	153387	156571	
1966	155434	156344	157424	158749	159795	160842	162004	163108	164459	165527	166120	166655	167070	167366	167900	168612	169324	169862	170346	170649	170952	171254	171556	171799	172162	172767	173615	174522	175430	176473	
1967	281760	282950	284223	285659	287098	288301	289587	290956	292168	293382	294680	296144	297531	298511	299576	300396	300971	301361	301053	300560	300314	299986	299494	299084	298511	297939	297531	297123	296307	295331	
1968	206347	207482	208084	208754	209356	210098	210771	211378	211851	212325	212666	213545	214769	215587	216201	216543	217228	217433	217845	218257	218601	218876	218945	219220	219427	219976	220945	221707	222747	223582	
1969	175805	175439	175255	173551	173127	173855	171977	168794	165173	162004	159102	157204	156688	156117	154694	152883	151422	150751	150304	150863	152940	156345	159854	162004	162939	163819	164876	166474	166854	172703	
1970	261725	261041	260359	259904	259450	258996	258920	259072	259147	259298	259828	260283	260738	261117	261573	261801	262029	262105	262258	262258	262258	262182	262105	262029	262029	262105	262334	262486	262562	262867	
1971	166000	166889	167602	168436	169153	169871	170532	171073	171615	172219	172824	173369	173977	174768	175439	176111	177214	178260	179062	179742	180547	181105	181479	182039	182476	182725	183163	183601	184039	184478	
1972	116512	116325	115998	115718	115252	114741	114278	113771	113219	112852	112669	112577	112577	112577	112898	113035	113035	112989	112852	112669	112669	112669	112577	112349	112349	112349	112394	112440	112715	113035	
1973	90863	91378	91577	91497	91378	91378	91975	92935	94063	95079	96226	97589	99342	100565	101159	101841	102526	103386	104381	105383	106567	107317	108338	109813	111693	114834	118778	123451	128103	132877	
1974	227780	234729	237959	240706	242159	244128	246253	247946	250461	252393	254109	256058	258014	260131	262334	264318	266387	268619	270785	272727	274520	276320	278127	279940	281443	282871	284462	286458	287820	289587	
1975	210501	210367	210165	210165	210434	210636	210771	210906	211041	211041	211243	211311	211378	211513	211784	211784	211784	211851	211919	212122	212392	212799	213477	214088	215177	215723	215996	216270	216270	216406	
1976	156088	155919	155694	155638	155638	155638	155638	155525	155694	155582	155582	155469	155413	155469	155750	155694	155582	155525	155638	155694	155694	155638	155638	155750	155750	155975	155919	155862	155862	155862	
1977	63052	63083	63083	63052	63052	63052	63021	62959	62928	62897	62897	62897	62866	62866	62835	62804	62804	62990	63083	63145	63425	63706	63926	64083	64271	64366	64681	65030	65443	65890	
1978	260074	264867	268396	271332	273117	274830	275768	276080	276080	276002	276393	277255	278511	280085	281348	282851	283247	283089	282693	282297	281664	280874	280321	280558	281268	281664	281664	281743	282613	283723	
1979	279953	280839	281887	282858	284153	285291	286755	287815	289125	290929	292409	293893	295796	297956	300542	302804	305329	307356	309050	310750	312540	314165	315708	317513	319150	320794	323223	325634	328194	330652	
1980	361432	359685	358035	356297	355018	354108	352832	351471	350019	348934	346301	347490	347219	347219	347759	348572	350019	352196	355018	358402	362169	365124	366884	367906	369765	372470	375186	378946	382345	385667	
1981	241486	241783	242153	242450	242671	243117	243489	244085	244755	245427	246251	246774	247149	247449	247750	248275	249179	250310	251294	252127	252887	253724	254791	256319	258315	259855	261170	262332	263652	265290	
1982	213210	214657	216249	217988	219384	220858	222194	223394	224598	226163	242079	257394	267325	275230	282453	288715	294638	300208	305835	311602	316996	322180	327058	331974	336395	340846	345866	351107	357302	363829	
1983	469046	470615	472606	473762	473236	471978	470196	467896	465184	462065	458958	455342	451432	446926	441934	437069	432734	428119	423529	419356	414614	409698	406377	402873	399479	396101	392831	389670	386619	383958	
1984	277384	278668	280114	281243	282453	283666	284965	285696	287163	287733	289289	290436	291585	292987	294390	295796	296959	298039	299374	300961	302720	304570	305920	306933	308371	309305	310409	311517	312796	313480	
1985	233425	234515	235899	237728	239935	242376	245054	247900	250991	254180	257394	260783	264588	268974	273242	276986	280194	282858	286022	288797	291093	293399	295384	297126	299374	301128	302804	304233	306004	308034	
1986	425521	428119	430524	432734	434748	436564	437980	438890	439295	439701	440209	440920	441527	441832	441730	441425	441123	440513	440006	439600	439803	440920	442442	443461	444784	445804	446415	447745	450304	452768	
1987	240063	240304	240230	240600	240820	241116	241116	240968	240968	241042	241264	241560	241857	242005	242005	242228	242599	243192	243638	243713	243787	243936	244011	244160	244458	245054	245278	245577	245851	246474	
1988	129070	128970	128920	128870	128870	128920	128920	129070	129270	129369	129670	129971	130273	130674	131129	131230	131432	131584	131635	132141	132344	132548	132548	132446	132599	132650	132599	132446	132497	132548	
1989	108460	109708	111146	112552	114015	115538	117261	119288	121480	123700	126046	128221	130273	132294	134438	136763	138955	141224	143464	145889	147957	149880	151263	152487	153549	154559	155349	156027	156594	157049	
1990	78239	78239	78204	78275	78275	78204	78204	78169	78133	78098	78098	78239	78521	78912	79374	80054	80412	80737	80954	81170	81368	81461	81570	81897	82043	82153	82372	82849	83402	83957	
1991	64524	64832	65140	65505	66543	67807	69445	70749	72171	73748	75212	76350	77291	78204	79161	80197	81170	82043	82922	83771	84552	85225	85827	86470	87268	88186	88995	89927	90865	91929	
1992	89228	89344	89538	89693	89966	90317	90708	91258	91929	92762	93561	94364	95173	95986	96845	97709	98537	99789	101221	102539	103824	105209	106300	107266	108327	109618	111056	112779	114568	116374	
1993	153717	155970	158308	160830	163792	166552	169222	171679	174279	177272	180174	183167	185686	187906	190016	192269	194667	197020	199323	201976	204918	208089	211221	214243	217432	221067	224953	228735	232772	237142	
1994	229022	229166	229166	229094	228879	226448	227876	227447	227232	227161	227018	226804	226518	226163	225949	225807	225878	225807	225807	226163	226661	227375	228090	228735	229166	229597	230028	230316	230676	231182	
1995	267325	268108	268895	269681	270629	271103	272210	273242	274752	275867	276666	277625	278666	280114	281402	282129	282696	282777	283020	283182	283344	283101	282696	282372	282291	282696	283423	284640	287082	293069	
1996	379418	382440	384906	387264	389670	391967	393985	396101	398513	400545	402776	405208	407647	409996	412351	415502	418959	422433	425022	427419	429621	431326	433036	435051	437879	441324	445907	450818	456064	461236	
1997	353925	354562	354927	355292	355840	356389	356753	356753	356572	356572	356938	357760	358586	359134	359685	360237	361250	362630	364199	366141	368740	371536	374623	377440	379982	382630	385857	389003	392255	395234	
1998	338172	340132	342187	344249	345596	347309	348482	349387	350200	351017	351925	352741	353197	353379	353470	353288	353014	353014	353379	354381	356480	359961	364199	368275	372190	375653	379229	383009	386524	390244	
1999	252279	252583	252887	253191	253648	253877	254256	254562	255020	255479	256089	256626	257163	257853	258700	259701	261093	262254	263498	264900	266306	268030	269524	270550	271497	272131	273003	274035	274831	275707	
2000	193563	193628	193563	193563	193628	194017	194537	195124	196037	196758	197281	197544	197807	198202	198730	199058	199455	199918	200362	201177	201976	202842	203377	203844	204313	205052	206061	207614	209311	210879	
2001	140654	142022	143142	144054	144592	145077	145889	146485	146975	147466	147848	148176	148615	148999	149439	149935	150542	151208	151929	152878	153886	154672	155519	156537	157675	158932	160484	162278	164201	166079	
2002	111779	112461	113236	114061	114962	116003	116935	117966	118861	119952	121001	122442	124138	125898	127924	129569	130977	131887	132701	133363	134080	134644	135159	135624	136036	136711	137543	138273	138850	139376	
2003	175130	176353	177395	178503	179369	180111	180920	181729	182416	183292	184299	185433	186699	188097	189503	190850	192010	193044	194082	194993	195841	196692	197478	198268	198992	199786	200579	201377	202042	202641	
2004	192850	193434	193952	194472	194993	195516	195972	196692	197610	198796	199521	199918	200183	200117	200117	200249	200579	200911	200978	201044	201177	201177	201177	201443	201843	202174	202374	202574	202975	203310	
2005	203377	205456	207411	209856	212043	214105	216388	218966	221771	224244	226589	228951	231543	234296	237288	240600	244309	248275	252659	256703	260319	263886	267480	271103	274433	277625	281001	284965	288797	292162	
2006	289861	291505	293611	300793	306933	311944	316310	320621	324527	328370	332060	335064	338172	341471	345416	349025	352559	355657	358494	361339	364199	366698	368834	370975	372845	374716	376499	378380	380644	382630	
2007	225949	225807	225807	225949	226234	226447	226804	227161	227375	227590	227876	227948	228090	228376	228520	228735	228807	226951	229022	229238	229310	229382	229597	229813	230028	230172	230316	230460	230821	231254	
2008	152934	153605	154336	155067	156254	157106	158189	158932	159506	159793	160368	161409	162976	164553	166847	169043	170837	172522	173793	175069	176720	177888	178874	180111	181354	182730	184360	186381	188608	191043	
2009	144269	145293	146485	147521	148231	148890	149494	150212	150930	151652	152375	152990	153549	154223	154841	155406	156084	156878	157503	158246	159219	160368	161813	163733	165492	166729	167676	168686	169700	170597	
2010	170298	171198	172100	173370	174218	175010	175661	176292	177089	177949	178997	180298	181791	183230	184612	186064	187524	189246	190785	192526	194667	196758	198400	199786	201177	202908	204985	207275	209856	212043	
2011	249707	254791	260551	265369	269524	273321	277226	279953	281806	282939	283991	284559	285047	285533	285859	286755	288797	291585	295550	299040	302384	305244	307695	309730	310920	312540	313994	315364	317513	319150	
2012	171559	171980	172281	172522	172885	173309	173672	173914	174218	174401	174583	174705	175252	175680	176047	176537	177211	177949	178997	180298	181916	184110	186635	189246	191301	193174	195450	197216	199058	200845	
2013	87611	87726	87687	87496	87420	87382	87420	87496	87649	87726	87802	87879	88071	88109	88417	88763	89112	89421	89615	89849	90200	90630	91298	91969	92543	93281	93801	94445	95214	96231	
2014	59775	59775	59746	59601	59572	59485	59456	59456	59543	59601	59601	59746	59949	60153	60416	60680	61033	61476	61923	62311	62671	63062	63426	63638	63912	64309	64709	65048	65388	65730	
Max.	**469046**	**470615**	**472606**	**473762**	**473236**	**471978**	**470196**	**467896**	**465184**	**462065**	**458958**	**455342**	**451432**	**446926**	**441934**	**437069**	**432734**	**428119**	**423529**	**419356**	**414614**	**409698**	**406377**	**402873**	**399479**	**396101**	**392831**	**389670**	**386619**	**383958**	
Min.	**482**	**500**	**517**	**536**	**566**	**590**	**590**	**609**	**650**	**660**	**663**	**654**	**679**	**761**	**1104**	**2124**	**3490**	**4445**	**4422**	**4375**	**4330**	**4505**	**4722**	**4961**	**5229**	**5440**	**5603**	**5752**	**5884**	**6005**	
Ave.	**185864**	**186718**	**187523**	**188355**	**189127**	**189885**	**190615**	**191275**	**191967**	**192640**	**193582**	**194544**	**195487**	**196404**	**197348**	**198280**	**199273**	**200287**	**201318**	**202409**	**203563**	**204744**	**205888**	**207001**	**208107**	**209231**	**210456**	**211792**	**213232**	**214748**	

ISABELLA DAM & LAKE
KERN RIVER BASIN, CALIFORNIA
MIDNIGHT STORAGE

MAY

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	24185	24967	25800	27060	28752	30787	33086	35662	38308	40610	42524	44513	46388	48500	50632	52450	54360	56948	60040	63089	66194	68504	70430	72232	73805	75100	76304	77312	78608	79770	80574
1955	6209	6400	6560	6705	6862	7110	7453	7957	8381	8804	9383	10168	11090	11911	12411	12646	12933	13290	13641	14635	15525	16717	17940	19230	19982	20443	21152	22283	23816	25552	26836
1956	174522	175552	176844	179003	181102	183035	184859	186305	187688	188895	189984	190616	191520	192096	192736	193377	194401	195440	197004	198568	200327	203231	206878	211114	214967	218125	221630	224912	228193	231671	235080
1957	125356	125063	124819	124721	124917	125307	125946	126347	126699	126950	127050	127150	127301	127552	127803	127954	128154	128607	132878	135147	137084	138406	139942	141106	142187	143219	144467	145770	147248	148415	149860
1958	229327	231600	234441	237964	242442	247876	253518	259680	266231	273268	279857	285345	289746	294035	298924	304591	311251	319163	327690	336589	344641	352873	361472	368714	375193	381192	387045	392651	398034	403243	408509
1959	199219	199936	200327	200718	200979	201374	201639	201838	201971	202170	202568	203297	204159	204955	205817	206149	206613	206878	207276	207541	207674	207674	207674	207607	207607	207541	207475	207342	207210	207210	207210
1960	111742	112572	113356	114232	114785	115430	116122	116832	117639	118663	119110	119063	118778	118663	118683	118920	119158	119253	119205	119110	118920	118825	118635	118493	118445	118303	118206	118398	118588	118778	118730
1961	35204	35497	35830	36185	36435	36727	36980	37240	37499	37759	38020	38257	38473	38690	38929	39192	39574	40068	40561	40988	41417	41836	42394	42975	43580	44277	44952	45556	46137	46589	46990
1962	88320	90455	92814	95814	99422	103597	107706	111513	114969	117782	119869	121596	123110	124379	125551	126848	127652	128656	129460	130413	131021	131363	131537	131692	131898	131898	132052	132052	132001	132156	132672
1963	212733	214150	216203	218125	220322	222468	224772	226867	228759	230748	232736	234654	236591	238325	240203	241937	244275	246994	250380	253891	257402	261123	264769	268471	271946	275385	278524	281917	284867	287657	291203
1964	172464	173009	173312	173554	174038	174220	174522	174825	175128	175491	175918	176473	177399	178571	179806	181225	182659	184105	185676	187436	189407	191200	192993	194401	196026	197786	199024	200066	200783	201441	201507
1965	159911	163340	165705	167604	168968	170588	172101	173070	174522	175431	176350	177152	178016	179251	180485	182156	184419	187499	190752	194593	197851	200718	203297	205486	207475	209427	211516	214082	217233	220596	223795
1966	177584	178818	180300	181657	183161	184671	186431	188191	189599	190816	192032	192993	194017	195505	196938	198307	199806	201507	203363	205088	206547	207740	206954	210237	211451	212733	213947	215173	216203	216890	217370
1967	293869	292491	290876	289426	288301	287098	286058	285419	285818	287419	287820	287419	287018	286696	286778	287820	289909	293058	297123	301628	306750	313930	321195	328372	335282	342351	349226	355454	361375	366347	371169
1968	224468	225535	226516	227358	228343	229330	230177	230956	231595	232234	233088	233800	234729	235445	236090	236664	237527	238392	239754	241287	242814	244421	245299	245813	246474	247430	248832	250461	252244	253885	255232
1969	177030	181603	185988	189345	191068	192734	196935	201447	208151	216954	226235	234729	244713	255232	266003	276712	288381	300806	313090	324346	335890	348164	358498	369710	381465	393595	405536	416887	428892	441474	454244
1970	263325	263706	264088	264547	265083	265619	266310	267001	267848	269160	270088	271018	272027	273194	274989	277262	279264	282474	285020	287098	289024	291037	293463	296470	299166	301454	303523	305921	308412	311165	314182
1971	184981	185547	185925	186366	186682	187378	188011	188709	189472	190365	191260	192156	193056	194215	195572	197130	198825	200199	201447	202369	203624	204618	205548	206347	207415	208687	210704	212325	213748	214837	215928
1972	113265	113771	114325	114973	115485	115998	116466	116935	117452	117972	118540	119063	119635	120257	120833	121315	121798	122040	122331	122380	122380	122283	122186	122137	122186	122283	122574	122769	123012	123109	123402
1973	137088	139625	143002	146817	150863	153957	157089	160665	165291	171073	177890	165295	192670	200396	206084	214837	221984	229683	237599	245593	252318	258518	264471	270397	276399	282633	289024	296959	305838	313510	320261
1974	292168	294274	297286	300658	301183	306750	309578	312923	317129	322215	327514	333029	338502	343404	348872	354026	358678	362547	366256	369346	372266	375014	377568	380263	382948	386667	391153	396138	400871	405345	409846
1975	216543	216817	217228	218051	218876	219633	220323	221568	223303	224976	227077	229612	232447	235516	238897	242669	246253	249942	254259	259223	262715	265466	268156	270940	274676	278678	283030	287339	291845	296307	301135
1976	156200	156651	157103	157103	157499	157952	158406	158804	159316	160058	160630	161318	162296	163567	164844	165952	166829	167534	168063	168181	168475	168770	168947	169006	169124	169420	169597	169587	169834	169834	169538
1977	66147	66372	66501	66469	66565	66727	66856	67213	67375	67570	67701	67864	67995	68061	68126	68422	68586	68718	68850	68982	69114	69313	69745	70146	70481	70749	70918	71053	71188	71560	72138
1978	284041	283882	283723	284280	286669	288588	289672	290354	290997	292044	294306	297392	301724	307248	313327	319048	322694	326275	329792	333502	337146	341775	346171	349355	351220	355142	357471	360708	364414	369050	374636
1979	333208	335507	337904	340578	343261	345956	348482	350835	352741	354562	356206	358219	360237	362538	364846	367441	370231	373498	377158	381211	385572	390340	394945	399285	403360	407354	411761	416191	420050	423626	426818
1980	389386	393023	396871	401513	406572	411957	417971	423230	428618	433638	437575	440618	443664	446213	448052	450099	452563	456084	460510	465914	471684	477341	482942	487512	490924	493596	495638	497248	498540	499831	501234
1981	267637	270471	273083	274991	276586	277705	278588	279631	280758	281887	283182	285047	287000	289289	290600	291997	292821	293482	294141	294638	294969	295301	295713	296376	297126	298456	299792	300877	302217	303645	305150
1982	370511	377158	383863	389957	395523	401224	407061	412941	418367	423529	428119	432332	436564	440818	444988	449176	453795	458440	462896	467582	472606	478288	484110	490499	496617	502961	508922	514152	518309	522044	525349
1983	380833	377346	373498	370324	367162	364476	361985	360421	358861	358219	357577	356480	355566	353652	352377	352923	353652	354653	356023	359318	364569	372096	381685	392351	404039	416290	429520	444170	458854	471768	485702
1984	314251	315278	316396	317513	319236	320967	322353	323917	326008	328457	331709	335507	339685	343889	347580	350563	353288	355749	358677	362077	365956	369579	373404	377346	379982	383768	387571	391011	394177	397933	400836
1985	309901	312456	314935	318116	320881	323630	326795	329423	331269	333385	335330	337193	339239	340400	342456	344518	346497	348663	351017	353268	355363	357760	360421	363184	366234	368740	370882	372470	373779	374716	375559
1986	455548	458647	461652	464663	466436	467687	468314	468523	468523	468942	469151	469256	470091	471034	473446	475232	477655	481036	484854	489003	493065	495853	498217	500262	502853	506534	510880	515571	521163	526894	533100
1987	246924	247299	247449	247975	248802	250009	250764	251749	252963	254485	255706	257010	258392	260087	262099	264666	266384	267637	268738	269681	270629	271261	271734	271893	271814	271972	272210	272269	272527	272765	273063
1988	132497	132446	132599	132599	132650	132752	132752	132854	133108	133159	133210	133465	134183	135314	135659	138273	139849	141171	142182	143464	144754	146268	147629	148945	150156	151319	152320	153157	154111	154954	155668
1989	157446	157903	158532	159448	160772	162278	163792	165492	167321	169162	170478	171559	172522	173430	174218	175010	175680	176292	177068	178011	178936	179739	180733	181354	181916	182479	183041	183732	184236	184549	184738
1990	84291	84515	84701	84925	85300	85789	86507	87306	88071	88725	89383	89732	90122	90395	90747	91022	91140	91376	91455	91573	91613	91810	91889	92127	92364	92444	92523	92682	93440	93842	94204
1991	93041	93962	94849	95619	96435	97380	98620	100293	102368	104170	105514	106607	107619	108727	109887	111192	112870	114475	115910	117215	118483	119714	121049	122877	125261	128024	130624	132803	134644	136711	138535
1992	118060	119525	120905	122442	123695	125457	127229	128870	130775	132701	134592	136503	138430	140430	142340	144108	145835	147193	148176	149054	149770	150267	150598	150875	151097	151541	152041	152598	153046	153325	153549
1993	242005	247074	252051	257524	262254	266462	270234	274114	278106	282210	286592	291093	295135	298706	302468	306340	310494	314935	319755	324768	329589	334533	339864	345148	350200	354290	357760	360605	363184	366141	369206
1994	231758	232265	232645	233353	233787	234369	235315	236045	236557	237070	237875	238905	240600	242525	244531	246326	247825	248953	249707	250310	251143	251825	252583	253267	253951	254562	255326	256243	256933	257701	258469
1995	300710	307780	313652	318634	323308	327233	330212	332854	335064	337282	339774	342725	345956	348482	351017	353925	356572	358953	361524	364661	368368	372564	376969	381211	385001	388239	391778	395426	398900	402367	406282
1996	466227	471244	476075	480612	484747	488576	492208	495745	499292	502636	506643	510771	514699	518857	523035	526894	530103	531877	533100	533656	533656	533433	532988	532544	532099	531435	530991	530547	530547	530547	530547
1997	398320	401224	404233	407256	410192	413335	416487	419753	423230	426618	430022	433638	437575	441527	446009	451023	455858	460302	463729	465810	467060	467896	469151	470824	471559	471664	472291	473131	475338	477760	481036
1998	394752	399576	404428	409604	415107	419554	423230	425621	428320	431326	433941	436756	439093	440209	440513	440818	441123	440920	441222	441527	442442	443359	444580	446111	448154	450304	451637	452563	453798	454517	455445
1999	276666	277384	277865	278427	279150	279953	280920	282210	283666	284965	286592	286388	290682	292656	294638	296211	297708	299457	301547	303561	305667	307864	309901	312029	314080	316568	319150	321399	323917	325834	327495
2000	212660	214588	217063	219874	222828	225664	228592	231615	234223	237142	239861	241857	243638	245203	246399	247599	248726	249707	250915	252355	254409	256856	260010	263730	267246	270787	274353	277865	281243	283666	285696
2001	168210	170897	173370	175375	177211	179183	181666	184549	187642	191494	195254	199058	202109	204380	206533	209379	213072	216597	219524	222335	225166	227876	230244	232410	234660	236777	238537	240157	241634	242671	243564
2002	139849	140271	140748	141224	141702	142234	142982	143839	144538	145347	146161	146812	147357	148286	149274	150596	152264	154223	156140	157960	159391	160599	161467	162045	162685	163383	164377	165550	167025	168666	170657
2003	203310	203911	204985	206466	208089	209379	210673	211837	212797	213699	215003	216180	217292	218337	219454	220576	221771	223323	224953	226946	228951	231471	234587	237802	241264	245352	249783	254943	259932	265056	270313
2004	203978	204918	205993	207479	209447	211358	212935	214312	215626	216666	217988	219106	219945	220928	222124	223394	224173	224882	225593	225878	226092	226234	226518	226732	227018	227304	227447	227518	227948	227948	227733
2005	295218	298790	302552	306679	311944	317062	321746	326008	330828	335774	339774	343530	347490	352107	357485	364384	371629	378474	386048	394463	403068	411761	420150	428919	437474	446926	456785	466749	475759	483366	489751
2006	384906	387475	389862	391202	391490	391586	391778	392351	393023	393985	395619	397064	398900	401418	404916	407745	410977	413825	416883	419852	421936	423529	423329	422831	422135	421339	421043	419653	417476	415107	412941
2007	231543	231903	232120	232410	232990	233353	233353	233280	233280	233787	234515	235388	236338	237142	237949	238610	239345	240157	241190	241931	242525	242969	243266	243340	243266	243117	242969	242671	242228	241706	241116
2008	192980	194863	196955	198926	200448	201643	202842	204447	206196	208157	210129	211906	213692	215280	217292	220225	224102	228233	232627	237802	241634	244755	246999	248726	250009	250764	251446	251901	251977	251901	251901
2009	172220	175069	177826	180111	182041	184110	186762	189631	192850	196299	199587	202975	206331	209651	213072	216944	220858	225024	228448	231543	234223	236484	238758	240526	242153	243787	245276	246399	247524	248425	249179
2010	213630	215280	216388	217362	218756	220155	222194	224102	226092	228020	229956	230621	231758	232482	232990	233353	233787	234587	235899	237435	239566	242376	245128	247449	249179	250537	251749	252887	253648	254180	254485
2011	319928	320361	320794	321833	323395	325745	328633	331886	334004	334621	334444	334356	334710	335330	335685	335685	335330	335064	334356	333473	332413	331533	331180	330652	329860	329511	329072	330368	332060	332589	332326
2012	202842	204918	206939	208768	210402	211837	213004	214105	215142	216110	217223	218197	219176	219664	219804	219454	219176	219804	220155	220295	220436	220506	220225	219874	219524	219176	218966	218476	217569	216458	215419
2013	97462	98620	99789	100882	101771	102325	102794	103094	103438	103696	103911	104127	104516	104949	105471	105863	106431	106553	106651	106783	106827	106959	106871	106695	106475	106169	105863	105906	105776	105601	105558
2014	66166	66606	67236	67967	68871	69283	69699	70290	70520	70749	70979	71144	71309	71540	72004	72638	73477	74256	75109	75659	76073	76489	76767	76837	77011	77396	78063	78734	79409	79803	80018
Max.	**466227**	**471244**	**476075**	**480612**	**484747**	**488576**	**492208**	**495745**	**499292**	**502636**	**506643**	**510771**	**514699**	**518857**	**523035**	**526894**	**530103**	**531877**	**533100**	**533656**	**533656**	**533433**	**532988**	**532544**	**532099**	**531435**	**530991**	**530547**	**530547**	**530547**	**530547**
Min.	**6209**	**6400**	**6560**	**6705**	**6862**	**7110**	**7453**	**7957**	**8381**	**8804**	**9383**	**10168**	**11090**	**11911**	**12411**	**12646**	**12933**	**13290**	**13641**	**14635**	**15525**	**16717**	**17940**	**19230**	**19982**	**20443**	**21152**	**22283**	**23816**	**25552**	**26836**
Ave.	**216311**	**217905**	**219507**	**221175**	**222820**	**224538**	**226244**	**227959**	**229763**	**231677**	**233659**	**235389**	**237295**	**239206**	**241218**	**243305**	**245460**	**247707**	**250092**	**252493**	**254838**	**257232**	**259587**	**261890**	**264104**	**266384**	**268693**	**271016**	**273335**	**275493**	**277619**

ISABELLA DAM & LAKE
KERN RIVER BASIN, CALIFORNIA
MIDNIGHT STORAGE

JUNE — ***Units in acre-feet***

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	81176	81990	82952	83784	84544	85000	85190	85304	85380	85304	84734	83974	83214	82360	81546	80843	80140	79437	78716	78176	77600	77132	76700	76016	75135	74155	73105	71722	70634	69512	
1955	27558	28178	28656	29323	30413	32340	34708	37154	39058	40920	41975	42720	43092	43208	43347	43557	43464	43347	43255	43231	43208	43208	42999	42650	42254	41812	41279	40741	40292	39753	
1956	238108	241431	244128	246920	249345	251575	253817	256207	258844	261731	264693	267390	269552	270865	272023	272563	272795	273345	274129	274835	275149	275620	276169	277111	278759	280250	280881	281758	282395	283033	
1957	151805	154695	158517	162004	165053	168019	170588	173312	176103	178139	179003	179683	180979	182093	182973	183476	183601	183790	183916	183979	183916	183350	183035	182596	182093	181842	181719	181904	181719	181164	
1958	413405	417863	422129	425563	428603	430859	432833	434719	436604	438490	439979	440376	440773	441071	441766	442268	443072	443474	444980	447491	449398	450805	452520	453130	453130	452520	454146	455162	453536	451608	
1959	207143	206480	204889	203363	201838	200392	199024	197525	195505	193569	191392	189343	187185	184671	182030	179498	176967	174341	171617	168909	166239	163224	160493	157367	154240	151305	148526	145661	142893	140259	
1960	118730	118825	118873	118825	118588	117924	117022	116076	115016	113863	112711	111424	109991	108469	106950	105296	103554	101879	99930	97914	95690	93533	91295	88978	85574	84240	83450	82590	81753	80989	
1961	47316	47567	47743	47993	48344	48831	49404	49951	50498	51019	51419	51771	52150	52501	52825	53042	53096	53096	53096	53015	52906	52690	52474	52177	51771	51392	50993	50629	50212	49664	
1962	133755	135508	137877	139677	140948	142187	143653	145607	147693	150194	152705	155093	156969	158517	159911	159970	159970	160667	162004	163806	165883	168019	169862	171073	171799	172464	173191	173615	173675	173554	
1963	294844	298760	303112	307002	310584	314011	316714	319417	321954	324351	327348	330431	333033	334941	336936	339985	344025	348782	353407	357960	361742	364354	366344	367164	367802	368714	369443	369990	369717	369261	
1964	201838	202104	202236	202634	203032	203562	203628	203363	202568	201772	200653	199610	198698	197851	196939	195701	195049	193569	191968	190368	188831	187436	186053	185676	184419	182847	181040	179189	177276	175310	
1965	227495	230606	233020	235222	238253	241937	245892	249639	252471	254863	258085	262187	265922	268702	270710	272023	272641	273031	273656	274600	275934	277268	278524	279306	279779	280171	280485	281041	281758	282635	
1966	217576	217645	217782	217919	217988	218125	218125	218262	218193	217713	216958	216134	215104	214217	213071	211451	209966	208415	206812	205221	203496	201573	199610	197916	196352	194984	193825	192736	191392	190112	
1967	374280	376759	378878	380818	382577	384433	386387	388813	391904	395667	399732	404105	408790	413504	418148	423209	425850	428204	431354	433428	435804	438385	440975	443873	446881	449798	455258	461160	467719	474844	
1968	256433	257713	258996	260131	260965	261193	260738	260207	259374	258467	257261	255983	254483	253138	251872	250757	249423	247946	245960	244348	242669	241142	239475	237887	236305	234372	232092	229753	227498	225465	
1969	467616	480772	493272	503796	512383	520065	526713	532413	536047	537593	538145	539141	539694	540912	542798	545466	546802	548029	549815	552501	555418	558680	562178	565801	568071	568867	569095	569663	569436	569663	
1970	317214	320176	322300	323920	324774	325201	325543	326742	327514	327771	327342	327085	326742	326399	325714	324945	324176	323578	323067	322896	322726	322556	322130	321450	320770	320091	319328	318735	317890	316876	
1971	216954	217776	218601	219427	220323	221360	222470	223791	225256	226796	228343	229895	231240	232732	234300	235803	237311	238536	239547	240199	240706	240996	240924	240706	240126	239403	238608	237815	236880	235875	
1972	123793	124136	124332	124431	124480	124038	124824	125465	126109	126555	126754	126705	126506	126506	126406	126357	126158	125811	125317	124578	123793	122671	121508	120449	119158	117925	116653	115485	114371	113403	
1973	328716	333635	338502	343316	348961	354561	360025	365621	371535	376851	380910	384340	386760	389094	390029	390497	391060	391622	392561	393971	394913	395855	396516	396799	397082	397555	398501	399164	399448	399353	
1974	414565	418827	422819	426732	431157	435704	441574	446278	450302	454345	458102	461160	463921	468748	470810	472256	472980	472980	472773	472566	472566	473912	475881	475778	475155	474740	473912	473083	472463	471739	
1975	306170	310747	315275	319328	323237	326485	331128	334068	336673	339812	341825	343844	344899	345760	346751	348076	348695	348695	348518	347811	347192	346398	345780	344811	344107	343316	342000	340861	340161	338851	
1976	169361	169065	168652	167886	167005	166010	164961	163799	162527	161376	160401	159316	158292	157159	155862	154628	153177	151846	150356	149094	147675	146048	144594	143041	141341	139810	138290	136676	134869	132771	
1977	72994	73926	74866	75779	76700	77521	78384	79035	79544	80385	81011	81492	81825	82086	82272	82347	82347	82347	82309	82235	82086	81863	81714	81529	81306	80937	80422	79872	79326	78636	
1978	380265	385377	390149	395328	401019	407039	413298	420483	428321	435438	441415	447433	453188	457962	461635	464400	466556	468408	470574	472537	474712	476789	478245	478870	479078	479808	480747	481373	482209	483569	
1979	429420	431627	433439	435051	436463	438082	440107	441123	441629	441832	442035	441934	441629	440818	439295	437778	435960	434445	432634	430826	428718	427118	425621	424224	422732	421140	419356	417377	415502	413630	
1980	502420	503827	505666	508052	510226	512622	514808	517324	520286	523694	527005	529771	531766	533544	535323	537663	540120	542694	545724	549326	553166	556337	559175	561792	564758	568075	571169	574735	578312	581319	
1981	306510	307610	308456	309390	310579	311858	312456	312456	312456	312285	311773	311176	310326	309550	308541	307102	305751	304233	302720	301296	299873	298289	296627	294886	293152	291340	289533	287570	285614	283585	
1982	528333	530103	531324	532321	533433	533990	534321	534878	536104	537663	539228	540904	542024	542919	544041	546062	547638	548762	550568	552600	553955	554975	555883	556902	557242	557697	558720	559855	560083	560083	
1983	497033	505666	512295	517653	522594	528001	533878	539787	545724	551582	559175	565899	570483	575773	581783	587240	593893	600343	606239	610384	613828	617043	620146	622178	623737	625174	626376	627335	628057	628177	
1984	402776	404428	405598	406086	407256	407159	407745	407061	406572	406377	405891	405306	404916	404623	404331	404039	403749	403165	402193	401321	400642	399866	399188	398707	398223	397740	397257	396774	395908	395619	
1985	376405	377346	378663	379701	380455	381969	383673	385191	386429	387380	388143	388525	388621	388525	388525	387857	387094	385953	384716	383578	382253	380927	379606	377626	376217	374716	373217	371442	369579	367627	
1986	538781	543817	547750	551356	553732	555656	556902	557469	558492	559175	559741	560311	560652	561450	562020	562134	562134	561336	560425	559403	558606	557810	557242	556788	556788	556450	556450	556110	554975	553166	
1987	273876	274831	275467	275707	276026	276026	276266	276266	275946	275310	274752	274114	273399	272448	271340	270313	269131	268108	267168	265914	264510	263498	262487	261248	260010	258931	257776	256473	255173	253648	
1988	155970	156537	157163	157732	158017	158189	158017	157618	157049	156424	155858	155236	154616	153942	153269	152375	151374	150376	149439	148560	148012	147957	147521	147357	147248	146975	146431	145672	144646	143518	
1989	184801	184549	184110	183544	182916	182479	182041	181791	181604	181479	181479	181604	181604	181666	181729	181791	181854	181791	181542	181044	180671	179987	179121	178195	177334	176414	175436	174279	173127	172160	
1990	94325	94325	94284	94404	94687	95092	95538	95945	96394	96968	97297	97420	97420	97297	97091	96927	96640	96354	95986	95538	95011	94404	93801	93201	92563	91889	91415	90826	90239	89693	
1991	140060	141608	144269	147248	150101	152934	155575	158189	160657	163093	165492	167676	169700	171498	173006	174097	174949	175497	175558	175497	175252	175069	174827	174522	174216	173793	173249	172704	172100	171378	
1992	153717	153830	153886	153886	153942	153886	153773	153773	153661	153325	152878	152375	152041	151818	151597	151319	151097	150653	150046	149549	148999	148396	147903	147357	146757	146161	145618	144969	144215	143570	
1993	372003	373779	375277	376781	379606	381779	383768	385477	387094	388812	390619	393119	395523	397933	400351	402387	403941	405403	406963	408724	409604	410192	411075	412154	413433	414910	416191	416883	416982	416883	
1994	259394	260396	261093	261789	262177	262332	262099	261633	261015	260551	260242	259932	259471	258777	258007	257086	256089	254943	253801	252507	251143	249707	248350	246924	245502	244234	242620	241338	239714	238022	
1995	410290	414022	418367	423031	428818	434445	439295	442748	445294	448154	451740	456166	461132	465393	468732	471768	474393	476286	477549	478605	479451	479663	480716	482942	486341	490285	493813	496925	500910	505016	
1996	531213	531988	533322	534989	537105	539228	541464	543480	545277	546624	546849	546624	545949	545724	545724	545499	544603	543480	542585	541576	540456	539004	537105	535212	533433	530991	528773	526562	524356	522044	
1997	484003	486447	488790	490499	491566	491994	491887	491780	491673	491673	491566	491245	491138	491352	491673	491352	490710	490392	490392	490710	491031	490924	490499	489644	488576	487512	486234	484854	483366	481566	
1998	456785	458543	460821	462376	463729	465289	467582	469672	471664	473867	476181	477760	479240	480295	482729	487193	492315	496710	501126	505775	509790	513605	516557	518967	522044	525460	528001	530547	533322	535769	
1999	329072	330300	331357	332236	333031	333738	334181	334267	333827	333561	333028	333119	332943	332766	332413	331974	331533	330828	330916	331357	331445	331180	330564	329687	329072	328633	327931	326970	325834	324527	
2000	287245	288633	289861	290929	292079	292821	293152	293234	293152	292739	292162	291340	290600	290353	290271	290189	290600	290847	290682	290436	290025	289453	288797	287979	286919	285777	284315	282615	280678	278668	
2001	244456	244755	244904	244458	243713	243117	242525	241708	240820	239861	238610	237142	235680	234223	232555	230893	229094	227161	225095	223040	221137	219244	217639	216180	214796	213417	212043	210333	208021	205791	
2002	172583	174157	175375	176476	177580	178936	180484	181791	182667	183104	183292	183481	183607	183858	184173	184047	183607	183292	183355	183481	182979	182667	181979	180857	179739	178688	177580	176292	175010	173732	
2003	274672	279470	284640	289043	293234	296793	299957	302720	304401	305582	306679	307780	308796	309901	310750	311517	312200	312540	312710	312540	312285	311773	310750	309901	308881	307949	307017	306004	304907	303814	
2004	227590	227518	227662	227805	227232	226518	225807	225095	224386	223819	223323	222699	222265	221560	220996	220366	219734	219244	218826	218127	217292	216319	215280	214105	213004	211975	210947	209719	208292	206939	
2005	496280	502744	508814	513715	517653	521053	523253	524576	525349	526452	527779	529216	530880	533433	535546	537552	538557	538222	536773	535435	534212	533656	533211	532988	532432	531677	531102	529992	529327	528884	
2006	411564	411075	410977	411957	413630	415502	416784	416982	416784	416191	415206	414219	411859	409212	405891	402776	400254	397933	396198	394177	392159	389957	387666	385477	384053	383294	382819	382440	381874	380455	
2007	240600	240304	239640	238684	237875	236997	236045	235098	234369	233714	232845	231686	230604	229382	228448	227876	227375	226589	225522	224386	223111	221700	220717	219384	217988	216458	214726	213072	211426	210060	
2008	252203	252127	251977	252203	252431	252811	253951	254867	255249	255326	256166	256626	257240	256007	258392	258238	257776	257240	256626	256089	256319	256396	256243	255785	255173	254714	254180	253648	252811	251446	
2009	249858	250310	250461	250461	250310	250310	249934	249330	248726	247825	247149	246774	246399	245951	245203	244458	243564	242599	241857	241783	241338	240526	239566	238537	237508	236850	236484	235899	235171	234223	
2010	255020	256013	257624	260164	272448	280194	287897	294969	301296	307271	311602	313994	315364	316568	318030	319409	319926	320448	320967	321054	321225	321572	321633	322353	323395	325224	326970	328808	330124	331269	
2011	331709	330564	329247	327844	326008	324527	323049	322006	321225	321139	321746	322353	323049	324265	326358	330388	333738	336482	339328	342456	345866	349477	353561	356480	358310	359042	359685	360237	360237	359777	
2012	214312	213210	212249	210879	209719	208564	207275	205858	204514	203109	201576	199719	198005	196430	194863	193498	191946	190144	188161	186445	184549	182667	181230	179677	178073	176292	174766	173249	171739	170179	
2013	105514	105427	105296	105122	104949	104603	104170	103653	103180	102539	101984	101263	100419	99663	99204	96330	97503	96394	95092	94325	93561	92922	92246	91415	90787	90005	89150	88302	87382	86242	
2014	80161	80232	80340	80412	80521	80593	80665	80845	80882	80882	80845	80665	80448	80304	80054	79695	79302	78947	78557	78098	77570	77011	76558	76004	75487	75006	74597	74086	73545	73074	
Max.	**538781**	**543817**	**547760**	**651356**	**553732**	**555656**	**556902**	**657469**	**558492**	**559175**	**559741**	**565899**	**570483**	**575773**	**581783**	**587240**	**593893**	**600343**	**606239**	**610384**	**613828**	**617043**	**620146**	**622178**	**623737**	**625174**	**626376**	**627335**	**628057**	**628177**	
Min.	**27558**	**28178**	**28656**	**29323**	**30413**	**32340**	**34708**	**37154**	**39058**	**40920**	**41975**	**42720**	**43092**	**43208**	**43347**	**43557**	**43464**	**43347**	**43255**	**43231**	**43208**	**43208**	**42999**	**42650**	**42254**	**41812**	**41279**	**40741**	**40292**	**39753**	
Ave.	**279673**	**281523**	**283263**	**284838**	**286507**	**288008**	**289458**	**290720**	**291817**	**292826**	**293689**	**294426**	**294964**	**295487**	**295900**	**296256**	**296443**	**296476**	**296519**	**296584**	**296562**	**296472**	**296349**	**296062**	**295728**	**295384**	**295068**	**294677**	**294132**	**293499**	

ISABELLA DAM & LAKE
KERN RIVER BASIN, CALIFORNIA
MIDNIGHT STORAGE

JULY

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	66240	67019	66524	66392	65259	64329	63647	63089	62666	62110	61270	60280	59500	58833	58137	57470	56687	55816	54920	54052	53152	52342	51478	50658	49878	49280	48578	47876	47084	46388	45456
1955	39372	38886	38473	37955	37283	36519	35830	35204	34588	34147	33565	32963	32302	31723	31280	30802	30487	30228	29970	29730	29471	29175	28903	28603	28284	27948	27523	27089	26650	26209	25804
1956	282874	282714	282077	281200	280171	279308	278524	277582	276483	275385	274207	272641	271096	269243	267390	265536	263782	262187	260743	259984	259906	259604	258996	258692	257933	257402	257253	256506	255535	254041	252471
1957	180670	179930	179251	178201	177399	176473	175552	174522	173494	172263	170770	169087	167129	165053	162934	161772	161074	160250	159447	158517	157538	156571	155662	154695	153672	152705	151694	150861	149971	148859	147804
1958	449700	447892	446386	445884	444879	443775	442469	440674	438391	435612	432634	429584	426542	423503	419899	416313	412727	410424	407265	404392	401534	399358	396805	394251	391436	388446	385550	382577	379069	375839	371722
1959	137507	134631	131795	129209	126096	123940	120818	117734	114693	112019	111110	110305	109365	108379	107395	106428	105426	104468	103554	102770	101964	101117	100226	99252	98366	97585	96925	96267	95443	94703	94053
1960	80114	79459	78813	78179	77510	76876	76277	75539	74756	73938	73020	72036	71047	70058	69102	68104	67082	65996	64995	64097	63292	62460	61681	60931	60152	59408	58625	57871	57146	56430	55729
1961	49169	48648	48093	47567	46990	46489	45990	45556	45097	44567	44012	43440	42743	42092	41417	40785	40112	39439	38777	38063	37391	36727	36102	35476	34769	34106	33504	32902	32302	31665	31029
1962	173070	172404	171617	171012	170285	170709	170406	169801	169146	168137	166655	164993	163689	162004	160435	158924	157481	155946	154410	152876	151138	149562	147804	146041	143978	141645	139254	136925	134477	132207	129811
1963	369170	369170	368987	368805	368440	367984	367619	367437	367255	367255	367437	367802	367802	367619	366962	366526	365614	364264	362912	361382	359761	358320	356699	354830	352962	350828	348515	346222	343762	341215	338758
1964	173494	171859	170225	168493	166833	165112	163282	161423	159389	157253	155150	152989	150694	148359	146149	144032	141971	139942	138036	136237	134425	132672	130918	129359	127903	126799	126146	125551	124819	124037	123159
1965	283192	283990	285027	285903	286700	287487	288215	288694	288937	288937	288613	288055	287577	287176	287019	287099	287338	287736	287418	286700	285824	284628	283511	282555	281598	280250	278838	277346	275934	275463	275463
1966	188645	187251	185799	184165	182476	180671	178938	177276	175561	173855	171977	170111	168198	166415	164760	163174	161713	160085	158525	156803	154921	153053	151198	149748	148360	146872	145229	143652	142194	140905	139678
1967	461816	488526	494435	502621	508724	512598	516271	519305	521370	522893	524201	525620	527369	529559	531864	534174	536268	537262	537593	538698	538035	537041	535717	534504	533293	532413	531205	529699	528573	527697	526275
1968	223721	221845	219978	218257	216543	214769	212934	211041	209022	206947	204884	202699	200724	198498	196415	194409	192477	190620	188836	187251	185610	183914	181977	179804	177829	175744	173916	172098	170652	169213	167899
1969	570688	573882	575253	576168	576626	577084	577199	577428	577426	577314	576970	576397	576970	578116	577426	576512	575024	573539	572284	571144	570005	570232	568867	566936	565121	562744	560710	558567	556541	554183	551493
1970	315949	315022	314098	313090	311917	310496	308912	307497	306087	305093	304101	302698	301053	299494	297857	295981	294355	292815	291199	289587	287620	285818	283666	281443	279383	277498	275380	273194	270785	268234	265849
1971	234944	234015	233230	232376	231382	230107	228765	227268	225745	224209	222747	221291	219840	218257	216817	215177	213748	212528	211311	209828	208218	206614	204817	203095	201381	199544	197716	195896	193957	191900	189918
1972	112258	111166	110083	108962	107804	106567	105339	104208	102998	101798	100565	99342	98004	96720	95406	93963	92374	91140	89683	88048	86702	85446	84391	83345	82198	80953	79866	78861	77936	77019	76040
1973	398974	397933	396516	395195	393783	392091	390685	388907	386946	385084	383133	380910	378417	375640	373181	370166	367163	364173	362908	360385	357064	353491	350645	346927	344195	340774	337195	333721	329635	326228	322896
1974	470913	470191	469160	468028	466583	465049	463512	461262	459426	457187	455055	452726	450504	448288	446178	444073	441773	439579	437391	434912	432341	430172	427910	425948	424382	422331	420091	417663	415242	412925	410999
1975	337282	336064	335022	333461	332078	330696	329404	328029	326571	325115	323152	321195	319562	317721	314434	312420	310162	307830	305507	303028	300560	298102	295575	292815	289989	287098	284223	281364	278442	275537	272805
1976	130995	129436	128037	126550	124779	122629	120756	118705	116676	114669	112869	110904	108873	107176	105717	104401	103227	102060	100860	99585	98446	97107	95739	94343	93163	92073	91272	90355	89722	89170	88737
1977	78023	77521	76876	76133	75392	74691	73891	73053	72070	71053	69945	68949	67831	66791	65762	64808	63894	62928	61941	61025	60209	59342	58513	57808	57052	56360	55675	54966	54237	53514	52799
1978	485035	485674	486084	486294	486294	487029	488080	488712	489132	489975	490608	490606	490166	490502	491030	491451	491346	490818	489659	488080	486189	484406	482627	480851	478766	477309	476581	475439	473366	470780	468614
1979	411663	409408	407256	404916	402673	400542	398707	396487	393792	391106	388812	386238	383863	381306	378863	375653	372564	369206	365587	362446	358769	355383	351925	348753	345506	342006	338350	334798	331269	327844	324352
1980	583870	585264	585381	584451	582592	580161	577965	575543	573010	570136	567732	565327	562702	560311	558151	556564	555883	555883	555996	555316	554182	553505	553052	552600	552034	551130	550342	548988	546962	544266	540904
1981	281644	279672	278106	276426	274353	272210	269918	267794	265447	263031	260551	258007	255555	252963	250688	248275	245951	243936	242079	240230	238243	236338	234515	232410	230532	228807	227018	225095	223252	221206	219244
1982	559516	559061	558492	557810	557356	556677	556110	555542	554862	554069	553279	552373	551356	550116	548762	547525	546062	544153	542136	539896	537328	534655	532099	529882	527226	524797	522264	519846	517434	514917	512295
1983	627576	627696	628659	629623	630705	630825	629141	626256	622658	617995	612995	608252	604114	600108	595179	589220	583521	576925	570827	564644	558492	553279	547863	541888	535546	529992	525460	522044	519956	518967	518528
1984	395041	394367	393792	393023	391871	390436	388621	386334	384053	381874	379606	377346	375465	373498	372377	372377	371442	370602	369485	368554	367813	366512	365217	364384	362907	361250	359685	358035	356297	355018	353470
1985	365587	363461	361432	359042	356663	354470	352196	349659	347129	344968	342545	340042	337726	335241	332325	329599	326883	324352	321746	319409	317340	314935	312115	309390	306679	303898	300877	297789	294390	291011	288060
1986	551243	550003	548875	548088	547412	545949	544041	541688	539004	536104	533433	531213	526995	526452	523584	520176	516557	512732	509140	505666	502204	498647	495745	492744	489751	486554	483260	479874	476391	473026	469360
1987	252051	250461	249028	247374	245951	244234	242599	240748	238977	237215	235244	233353	231398	229526	227447	225166	222899	220928	219106	217083	215349	213486	211632	209924	208224	206466	204716	203042	201377	199719	198268
1988	142287	141064	139796	138326	136711	135211	133619	132090	130775	129369	127825	126390	124820	123215	121672	120285	118767	117308	115677	113923	112142	110380	108727	107178	105645	104299	103223	102069	100967	99999	99120
1989	171438	170717	169879	168984	168091	167025	165668	164026	162568	161235	159966	158704	156765	155293	153998	152711	151206	149625	148341	146866	145456	144161	142875	141436	139849	138326	136763	135314	133926	132497	130977
1990	89189	88648	88071	87459	86810	86129	85338	84478	83771	83328	82739	82116	81534	80882	80304	79659	78947	78169	77326	76469	75797	75006	74222	73444	72537	71772	70979	70192	69445	68606	67775
1991	170597	170179	169939	169760	169580	169222	168806	168151	167262	166374	165492	164669	163909	163149	162219	161061	159851	158646	157560	156765	155745	154616	153437	152097	150598	148999	147357	145781	144054	142340	140695
1992	142768	142022	141171	140271	139481	138693	137908	137074	136347	135726	134853	134285	133721	133210	132548	131787	130876	129921	128820	127626	126390	124967	123700	122635	121672	120715	119571	118296	116982	115492	114015
1993	416883	416784	416784	416685	416388	416388	416290	416191	415996	415897	415699	415206	414219	412646	410781	409016	407061	404916	402582	400157	397740	395234	392631	390723	388906	386810	384623	382345	380076	378003	376123
1994	236625	234442	232482	230460	228592	226732	224811	222828	220717	218546	216368	214243	212043	209924	207817	205724	203711	201643	199521	197478	195516	193693	191946	190144	188289	186361	184549	182604	180609	178627	176658
1995	509249	513168	517105	521713	526231	530880	534989	538445	542694	546512	548649	549552	549552	549439	549213	549213	549777	551921	551921	551020	550342	550229	549326	548201	546512	544378	542024	540456	539116	537775	535992
1996	519956	517653	515133	512732	510117	507509	504907	502204	499399	496280	493491	490924	488576	486234	483579	480507	477549	474393	471244	468314	465184	461753	458129	454414	450920	447642	444784	442035	439194	436463	433540
1997	479557	477549	475443	473657	472083	469986	467791	465601	463104	460406	457819	455651	453695	451432	448769	445907	442850	440107	437879	435556	432835	430323	428019	426618	424723	422632	420348	417971	415600	413040	410388
1998	537775	540008	542136	543929	544828	545612	546399	547525	549439	551695	553185	553955	555089	556223	557469	558492	559403	560652	561564	561906	562134	561906	562362	562474	562020	560994	559855	558606	557015	555089	552939
1999	322962	321399	319755	317857	316224	314508	312625	310835	308881	307271	306004	304738	303393	301965	299873	297789	295713	293893	292162	290436	288551	286755	285291	283991	282696	281162	279389	277146	274672	272289	270313
2000	276586	274513	272289	270155	268030	265758	263574	261711	260010	258161	256396	254638	252659	250612	248877	246624	244383	242228	240083	238022	235972	234078	232192	230244	228161	225878	223606	221489	219524	217499	215488
2001	203644	201510	199389	197544	195579	193952	192785	191752	190658	189695	188544	187462	186255	185117	183984	182730	181479	180174	178997	177765	176597	175436	174218	173067	171739	170358	168865	167321	165786	164026	162336
2002	172522	171378	170358	169162	167794	166611	165374	164026	162626	161177	159651	158532	157446	155858	153886	151985	150376	148999	147521	146161	144592	142926	141489	140113	138650	137595	136555	135572	134541	133465	132192
2003	302552	301045	299541	297956	296544	295135	293565	291832	290189	288551	286919	285372	283585	281806	280033	278266	276346	274274	272765	271103	269131	267089	264900	262798	260783	259008	257010	255020	253115	251143	249632
2004	205656	204514	203644	202708	201310	199786	198136	196299	194472	193239	191881	190208	188544	186826	185054	183544	182416	181292	179967	178627	177211	175741	174218	172685	171619	170238	168627	166798	165080	163383	161697
2005	528773	529105	529438	528773	527558	525902	524576	523035	521493	519626	516995	514589	512079	509358	506857	504474	501879	498968	496065	492851	489751	486767	483897	481248	478183	475232	472186	468628	465393	462065	458543
2006	378757	376675	374247	371442	368740	366141	363829	361339	359410	358219	356480	354927	353197	351380	349477	347580	345596	343799	341918	340310	339239	338439	337104	335419	333561	331445	328984	327233	325572	323395	321225
2007	208564	206736	204985	203310	201643	199984	198532	196889	194993	192765	190721	188417	186826	185686	184047	182354	180546	178812	177518	176292	174949	173249	171559	169879	168151	166256	164494	163034	161235	159506	158131
2008	249707	247900	246326	245054	243936	242599	240968	239345	237582	235244	233135	231543	230028	228663	227662	226589	225593	225024	224244	223323	221841	220155	218546	217063	215696	214105	212316	210333	208157	205724	203176
2009	233280	232192	230893	229956	228592	226732	224669	222757	220996	219384	218267	216875	215260	213486	211632	209651	207682	206128	204380	202374	200117	197741	195516	193304	191365	189374	187207	185054	182730	180484	178441
2010	331974	331974	332148	332060	331621	330828	330036	328984	327756	327056	326708	326533	325659	324352	322962	321659	321312	320534	319150	317427	315536	313480	311346	309390	307356	305329	303225	301045	298623	296128	294141
2011	359869	360505	361800	362615	363389	364661	365587	366327	365956	364661	362907	360881	359318	357944	356572	355201	353561	351652	349749	348030	346587	345148	343799	342635	341023	339596	338261	336926	335774	336462	337193
2012	168686	167203	165786	164319	162859	161351	159909	158303	156424	154223	152152	150267	148505	147030	145401	143624	141915	140536	139323	138170	136970	135469	133772	131887	129971	128024	126144	124478	123022	121336	119666
2013	84925	83587	82336	81207	80268	79586	78876	78063	77361	76697	76246	75728	75418	74972	74494	73984	73376	72839	72403	71904	71506	71276	71375	71144	70946	70781	70618	70585	70663	70650	70552
2014	72638	72137	71639	70979	70356	69737	69283	68832	68414	67967	67426	66857	66386	66041	65326	64585	63943	63426	62941	62341	61833	61476	61004	60680	60358	60007	59717	59514	59311	59109	58937
Max.	**627576**	**627696**	**628659**	**629623**	**630705**	**630825**	**629141**	**626256**	**622658**	**617995**	**612995**	**608252**	**604114**	**600108**	**595179**	**589220**	**583521**	**576925**	**572284**	**571144**	**570005**	**570232**	**568867**	**566936**	**565121**	**562744**	**560710**	**558606**	**557015**	**555089**	**552939**
Min.	**39372**	**38886**	**38473**	**37955**	**37283**	**36519**	**35830**	**35204**	**34588**	**34147**	**33565**	**32963**	**32302**	**31723**	**31280**	**30802**	**30487**	**30228**	**29970**	**29730**	**29471**	**29175**	**28903**	**28603**	**28284**	**27948**	**27523**	**27089**	**26650**	**26209**	**25804**
Ave.	**292810**	**292128**	**291400**	**290658**	**289760**	**288786**	**287729**	**286540**	**285282**	**283979**	**282617**	**281197**	**279784**	**278355**	**276831**	**275313**	**273790**	**272309**	**270785**	**269207**	**267556**	**265927**	**264269**	**262620**	**260928**	**259186**	**257454**	**255718**	**253964**	**252212**	**250486**

ISABELLA DAM & LAKE
KERN RIVER BASIN, CALIFORNIA
MIDNIGHT STORAGE

AUGUST

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	44513	43448	42436	41226	40016	38770	37930	37279	36418	35536	34740	33880	33010	32269	31566	30882	30160	29495	28878	28338	27652	27438	27114	26753	26286	25783	25290	24899	24508	24083	23573
1955	25439	25100	24648	24212	23847	23847	24115	24115	24051	23816	23585	23339	23123	22784	22342	21886	21490	21123	20723	20318	19926	19522	19243	19030	18869	18763	18750	18750	18710	18683	18657
1956	250828	248831	246920	244863	242659	240492	237964	235435	232949	230606	227914	225261	222536	219704	216821	213880	210912	208010	205154	202170	199610	198698	197655	196548	195440	194337	193121	192032	190880	189727	188639
1957	146803	145715	144684	143490	142242	141212	140100	139095	138142	137454	136660	135920	135199	134477	133600	132626	132001	131125	130162	129359	128456	127552	126799	126046	125258	124379	123500	122671	121889	121255	120666
1958	367437	363363	359220	355275	351362	347715	344641	341742	338844	335809	332513	329402	326320	323409	320430	318149	315362	312834	310335	307585	304509	301634	298677	295816	292984	289989	287099	284229	281678	279465	277346
1959	93334	92614	91734	90935	89987	89133	88436	87738	87000	86233	85518	84954	84315	83751	83187	82554	81899	81316	80734	80333	80005	79750	79568	79350	79095	78884	78637	78426	78215	78073	77862
1960	55001	54244	53475	52717	52014	51284	50525	49664	48779	47868	46839	45869	45025	44277	43674	43115	42604	42068	41557	41100	40696	40269	39798	39259	38799	38430	38063	37694	37305	36980	36644
1961	30506	29952	29415	28921	28532	28160	27806	27434	27038	26667	26531	26768	26751	26650	26430	26192	25871	25520	25293	25116	24970	24890	24954	25068	25164	25132	25100	24987	24841	24648	24390
1962	129158	126707	128054	127351	126749	126046	125209	124428	123500	122954	122280	121547	120866	120201	119632	119015	118493	117971	117451	116880	116215	115523	114877	114324	113771	113218	112618	112019	111334	110842	110394
1963	336156	333640	330952	328289	325721	323238	320937	319501	318572	316967	315108	312667	310335	307668	304837	301962	299170	296059	293226	290232	287258	284069	281120	278367	276012	273345	270710	267930	265536	263250	260591
1964	122182	121206	120248	119490	118635	117829	117307	116642	115891	115108	114185	113356	112664	112019	111468	110887	110260	109722	109051	108469	107931	107350	106732	106123	105426	104773	104119	103510	102988	102429	101837
1965	275463	274835	273737	272486	271251	270169	268934	267699	266231	264769	263858	263934	263782	263250	262566	261883	261047	260060	258996	257705	256357	254937	253667	252396	251127	249933	248757	247435	246259	244937	243541
1966	138353	137508	136302	135049	133806	132569	131289	130019	126606	127203	125712	124381	123158	121992	120690	119444	118161	116700	115485	114233	113082	111848	110669	109499	108249	107052	106040	104990	103862	102913	101970
1967	524419	522240	519848	517137	513893	510552	506900	503048	499104	494330	489262	484222	478688	473083	467410	461569	454954	448690	441973	435308	428499	421746	414855	408024	401821	396705	391435	386108	381280	377035	372815
1968	166474	164937	163408	161771	160085	158237	156459	154410	152433	150472	148562	146542	144520	142517	141066	139413	137772	136144	134686	133135	131749	131137	130577	130120	129715	129260	128756	128404	128103	127903	127703
1969	551157	548810	545800	542243	538256	534174	531534	528682	523963	519305	515730	511952	507436	503689	499424	495601	491582	487474	483175	478896	474326	469778	465151	460548	456171	451412	447282	443372	439380	435506	431650
1970	263477	261041	258618	255983	253288	250535	247799	245006	242014	239186	236449	233586	230956	228343	225815	223443	221084	218945	216812	214224	212054	209963	207883	205946	204088	202237	200396	198890	197650	196415	195184
1971	187821	185862	183789	181603	179618	177644	175744	173794	171857	169871	167899	165822	163936	162296	160607	158813	156917	155091	153222	151422	149803	148305	146982	145884	144792	143814	142840	142086	141334	140531	139676
1972	74967	74041	73191	72348	71512	70617	69697	68752	67784	66793	65812	64747	63693	62712	61922	61189	60512	59859	59210	58538	57870	57351	56380	55505	54694	53975	53480	53207	52908	52690	52528
1973	319837	317214	314686	312336	309912	307497	305341	302663	300314	298021	295981	293869	291602	289185	286616	284303	283268	280651	277970	275537	272805	270397	267540	265159	263172	261193	259374	258014	256659	255232	253835
1974	409174	407545	404677	402201	399922	397644	395007	392373	389842	386760	384247	381465	378694	375932	373181	370348	367618	364806	361736	359216	356616	354115	351800	349847	347634	345340	342702	340161	337543	335109	332942
1975	270088	267386	264700	261877	258920	255983	253064	250312	247799	245299	242742	240199	237455	234801	232305	229753	226866	223791	221014	218463	216133	213952	211986	210098	208084	206014	203889	201974	200527	199282	196041
1976	88346	87760	86945	86096	85330	84530	83648	83095	82272	81566	80900	80275	79617	79071	78456	77879	77270	76700	76052	75603	75111	74552	73995	73338	72548	71934	71357	70884	70414	69879	69214
1977	51981	51227	50427	49688	48751	47546	46412	45446	44470	43653	42964	42494	42074	41634	41221	40924	40878	40765	41015	41083	41106	41083	40947	40742	40561	40335	40110	39885	39663	39441	39242
1978	466556	464400	461839	459388	457045	454607	451973	449549	446728	444118	441415	438621	435736	432861	429503	426158	422826	419698	416979	414362	411367	408671	405697	402734	399877	397505	394856	392499	390055	387899	385843
1979	320707	317168	313566	309815	306340	302720	299123	295713	292162	288533	285372	282210	278989	275946	273083	270234	267556	265134	262332	259548	256703	253801	251067	248576	246474	244680	242894	241042	239345	237802	235631
1980	537775	534766	531435	528222	524356	520286	516009	512079	508379	504149	500046	495638	490817	485808	480930	476391	471768	466955	462169	457198	452254	447745	443359	436788	433941	429119	424025	419257	415008	411564	408528
1981	217432	215626	213692	212043	210470	208636	207142	205522	203711	201776	200050	198532	196955	195579	194082	192591	191107	189631	188161	186762	185623	184928	184299	183481	182604	181729	180920	180236	179555	178686	178011
1982	509249	505992	502420	498860	495208	491780	488790	485808	482520	478711	474709	470615	466955	463416	459888	456478	452671	449176	445396	441629	437980	434243	430725	427419	424224	421043	418169	415796	413433	410781	408137
1983	519516	521933	524245	525128	522925	520943	519297	518857	518309	518857	519077	518309	517653	516557	516338	516338	515790	515024	516776	518089	517653	516338	514042	511207	507726	504799	501879	498753	494993	492101	489323
1984	351834	349926	347939	345866	343889	341650	339239	336570	333827	331357	328721	326358	323656	321225	319562	317944	315310	314764	313823	313053	312200	311345	310326	309050	307949	306594	305076	303729	302217	300542	298790
1985	285291	282858	280839	278829	276746	274035	271340	268816	266541	264354	262254	259932	257624	255402	253267	251370	249632	247975	246251	244458	242671	240748	238905	237215	235461	233714	232047	230316	229022	227516	226163
1986	465601	462065	458335	454723	451229	447436	443754	440107	436564	433036	429822	426818	423625	420845	417971	414910	411957	408918	406086	403360	400448	397643	395041	392447	389862	387094	384433	381685	379040	376781	374623
1987	197086	195775	194342	193044	191688	190208	188864	187587	186191	184738	183167	181604	180236	178997	177949	176781	175487	174157	172643	171559	170717	169999	169222	168389	167616	166907	166197	165550	164904	164377	163850
1988	97999	97050	96027	95011	94204	93360	92683	92850	90944	90161	89460	88725	88148	87534	86925	86356	85638	84925	84217	83587	82886	82116	81570	81243	80989	80882	81025	80989	80882	80845	80629
1989	129469	127974	126588	125359	124284	123119	121817	120142	118578	117543	116561	115585	114429	113190	112052	111011	110112	109395	108771	108194	107575	107002	106388	105776	105296	104862	104429	103954	103524	103094	102794
1990	66888	65979	65202	64647	64095	63486	62881	62281	61595	60915	60241	59572	58879	58221	57540	56921	56418	55863	55313	54711	54222	53899	53630	53389	53175	52962	52671	52353	52038	51724	51515
1991	138955	137178	135417	133721	131989	130323	128570	126736	124918	123071	121288	119525	117637	115817	114061	112507	111327	110246	109173	108327	107796	107222	106739	106169	105601	104992	104429	103954	103524	103094	102794
1992	112688	111373	110067	108816	107442	106125	104776	103438	102155	100840	99915	99204	98537	97874	97360	97050	96435	95538	94727	94204	93661	93121	92603	92206	91810	91455	91062	90669	90317	89966	89615
1993	374060	371629	369020	366512	364014	361616	359685	357669	355566	353288	351017	348844	346768	344968	343171	341202	339150	337282	335241	333119	331357	329511	327583	325572	323306	321139	319323	317599	315794	313737	311773
1994	174583	172402	170238	168151	166136	164143	162103	160024	157960	155915	153886	151965	150322	148615	146812	145077	143410	141915	140642	139534	138535	137543	136503	135314	134183	133108	132192	131432	130624	129870	129120
1995	533544	530547	526783	522925	519407	515462	510969	506534	501988	496925	492208	487406	482414	477655	472501	466854	461340	456374	451843	447540	443664	439904	436260	433036	429721	426418	422931	419356	415798	412351	409016
1996	430424	427419	424423	421439	418466	415008	411564	408332	405111	401804	398610	395523	392351	388908	385286	381674	378851	375935	372845	369765	366791	364199	361800	359410	356936	354470	352107	349749	347400	345148	343084
1997	407647	404721	401610	398513	395330	392351	389290	386238	383199	380265	377158	374247	371722	369299	366884	364661	362261	359502	356844	354199	351743	349387	347038	344768	342635	340489	338350	336306	334533	332854	331180
1998	550681	549100	548762	547976	546962	544490	540792	537552	533767	529549	525349	521383	516995	512841	508270	504149	499399	494457	490071	485383	481036	476813	472396	468000	463208	458440	453901	449381	445192	440513	436061
1999	268344	265914	263420	261015	258623	256473	254636	252811	250840	248726	246624	244829	243266	242005	240378	238243	236265	234515	233135	231903	230748	229597	228233	226661	225166	223819	222688	221489	219804	217988	216458
2000	213555	211769	209924	208157	206263	204313	202308	200382	198532	196561	194667	192850	190978	189118	187271	185307	183355	181292	179245	177272	175436	173914	172583	171438	170537	169879	169102	168329	167440	166552	165786
2001	160714	159219	157789	156481	155462	154336	153213	151874	150376	149109	147848	146485	145185	143839	142182	140748	139534	138378	137386	136347	135056	133619	132243	131281	130424	129620	128670	127775	127081	126292	125656
2002	130725	129419	128172	126883	125701	124478	123215	122201	121432	120857	120142	119288	118343	117169	115956	114798	113831	112916	111825	110685	109529	108238	107002	106081	105122	104127	103309	102624	102112	101644	101221
2003	248802	247625	246624	245278	243862	242450	240968	239566	238316	236850	234952	232845	230748	228520	226234	224244	222124	219945	217846	215902	213692	211700	210129	208428	206871	205656	204246	202908	201709	200646	199587
2004	160139	158589	157049	155575	154111	152487	150930	149329	147521	145401	143250	141277	139743	138483	137262	136036	134850	133516	132243	131129	130222	129319	128172	126982	125750	124625	123749	123071	122297	121432	120476
2005	455032	451331	447131	442646	438588	434647	430524	426818	423031	419554	416094	412744	409408	405891	403846	400933	398223	395812	393408	390819	387952	384906	381874	378946	376029	373310	370882	368275	365587	362907	360329
2006	319409	317513	315622	313652	311944	310156	306119	306004	303982	302217	300710	299123	297375	295301	293234	291258	289371	287652	286103	284478	282615	280758	278989	277226	275230	273556	272210	270787	269368	267873	266462
2007	156878	155745	154672	153493	151985	150322	148670	147084	145618	144323	143250	141808	140483	139426	136430	137386	136347	135417	134490	133670	132905	132090	131281	130474	129820	129120	128421	127775	127229	126736	126193
2008	200712	198532	196299	193498	190658	187970	185243	182354	179801	177334	174644	172100	169760	167616	165845	164377	162918	160946	159046	157503	156254	155236	154336	153361	152152	150930	149660	148505	147139	145672	144323
2009	176658	174462	172100	169879	167735	165668	163967	162394	160714	158817	156878	155067	153437	152097	150875	149770	148560	147466	146268	144915	143518	142287	141117	139954	138850	137752	136555	135262	133926	132548	131129
2010	291750	289289	286674	284153	281402	278748	276186	273321	270550	267558	264198	260938	257853	255173	252431	249481	246524	243713	240748	237875	235171	232265	229689	227089	223677	220928	219036	217292	215557	213692	211975
2011	337282	336570	335685	334621	333650	332854	331445	329598	327408	324963	322440	320101	317944	315708	313053	310579	307949	305160	302804	301296	299625	297625	295550	293399	291422	289779	288306	286919	285291	283423	281564
2012	118060	116561	115075	114245	113282	112279	111373	110291	109305	108460	107796	107134	106563	105906	105253	104603	104127	103653	103266	102794	102283	101814	101306	100840	100283	99747	99037	98330	97668	96968	96394
2013	70290	70094	69931	69672	69315	68896	68478	68126	67839	67553	67300	67046	66794	66636	66449	66260	65979	65824	65605	65481	65357	65171	64894	64493	64126	63760	63456	63214	62972	62551	62221
2014	58850	58678	58592	58563	58879	58937	58621	58335	57993	57625	57314	57117	57314	57230	56949	56641	56334	56030	55753	55560	55423	55258	55148	55011	54848	54684	54548	54412	54223	53953	53764
Max.	**551157**	**549100**	**548762**	**547976**	**546962**	**544490**	**540792**	**537552**	**533767**	**529549**	**525349**	**521383**	**517653**	**516557**	**516338**	**516338**	**515790**	**515024**	**516776**	**518089**	**517653**	**516338**	**514042**	**511207**	**507726**	**504799**	**501879**	**498753**	**494993**	**492101**	**489323**
Min.	**25439**	**25100**	**24648**	**24212**	**23847**	**23847**	**24115**	**24115**	**24051**	**23816**	**23585**	**23339**	**23123**	**22784**	**22342**	**21886**	**21490**	**21123**	**20723**	**20318**	**19926**	**19522**	**19243**	**19030**	**18869**	**18763**	**18750**	**18750**	**18710**	**18683**	**18657**
Ave.	**248821**	**247125**	**245336**	**243515**	**241639**	**239712**	**237797**	**235926**	**233965**	**232003**	**230073**	**228161**	**226256**	**224383**	**222531**	**220712**	**218889**	**217053**	**215298**	**213598**	**211896**	**210260**	**208634**	**207044**	**205454**	**203933**	**202463**	**201051**	**199674**	**198337**	**197054**

ISABELLA DAM & LAKE
KERN RIVER BASIN, CALIFORNIA
MIDNIGHT STORAGE

SEPTEMBER — ***Units in acre-feet***

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	23182	22774	22355	21960	21590	21200	20788	20410	19962	19500	19092	18664	18384	18000	17712	17364	17023	16715	16418	16187	15934	15659	15384	15054	14735	14449	14163	13877	13591	13349	
1955	18643	18617	18590	18550	18324	18080	17877	17625	17347	17044	16646	16287	16012	15773	15626	15469	15333	15232	15187	15176	15165	15154	15131	15120	15097	15086	15029	14916	14815	14714	
1956	187562	186494	185550	184482	183413	182219	180855	179621	178448	177337	175856	174704	173494	172222	170891	169680	168612	167426	166001	164696	163457	162295	161074	160086	158982	157822	156799	155776	154695	153728	
1957	120343	119869	119300	118683	118066	117402	116785	116168	115523	114923	114370	113863	113448	113079	112711	112296	111973	111650	111379	111065	110797	110529	110215	109901	109499	109141	108693	108290	107842	107439	
1958	275463	273580	271637	269397	267544	265845	264313	263478	262718	261807	260743	259528	258465	257402	256506	255236	253966	252695	251201	249933	248537	246994	245671	244496	243541	242442	241575	240636	239625	238614	
1959	77616	77264	76912	76559	76277	75995	75749	75539	75403	75232	75130	75198	75266	75198	75130	75028	74994	74960	74926	74892	74824	74790	74756	74688	74654	74586	74484	74416	74347	74313	
1960	36331	35997	35768	35559	35330	34995	34688	34428	34207	34066	33966	33946	33906	33766	33484	33303	33143	32963	32764	32552	32321	32090	31877	31704	31530	31357	31164	30971	30802	30654	
1961	24099	23893	23677	23416	23092	22738	22357	21960	21564	21123	20667	20234	19954	19786	19618	19442	19283	19269	19230	19150	19057	18963	18856	18803	18790	18710	18643	18550	16431	18364	
1962	109946	109409	108782	108110	107395	106732	106036	105426	104817	104163	103467	102857	102133	101540	100990	100481	99930	99370	98914	98575	98202	97790	97420	97008	96638	96226	95814	95526	95320	95114	
1963	258920	257253	255385	253691	252396	251201	250305	249271	248096	246626	245084	243541	242009	240636	239119	237674	236374	235293	234725	233731	232665	231245	229966	228475	226657	224982	223097	221077	219086	217027	
1964	101455	101286	101244	101159	101074	100947	100776	100566	100396	100226	100099	99888	99591	99295	99083	98787	98532	98366	98243	98078	97955	97790	97667	97543	97461	97379	97255	97131	97049	96967	
1965	242154	240853	239552	238325	237097	235724	234441	233304	232239	231174	230109	228922	227914	226657	225400	224004	222817	222049	221008	220322	219361	218331	217233	216066	214761	213475	212126	210777	209764	208954	
1966	101330	100862	100439	99974	99553	99007	98422	97963	97423	96968	96472	95979	95447	95039	94713	94347	94023	93579	93297	92975	92654	92374	92095	91736	91299	90863	90469	90076	89605	89175	
1967	368436	364987	361285	357691	354472	351000	347280	343316	339462	335543	331732	328544	325201	322130	319159	315949	313007	310246	307414	304679	301875	299084	296470	293869	291360	288702	285978	283030	279861	276712	
1968	127502	127203	126904	126555	126208	125910	125663	125416	125120	124837	124627	124431	124185	124087	123940	123891	123793	123598	123451	123207	123061	123012	122963	122915	122866	122817	122671	122574	122380	122186	
1969	427910	424382	420772	417178	413793	410518	407449	404677	401821	399069	396610	394253	391810	389187	386667	384061	381558	378970	376392	373913	371626	369619	367345	365259	363360	361105	358857	356706	355186	354382	
1970	193828	192477	191196	189600	188519	187378	186303	185232	184227	183413	182725	181915	181044	180175	179165	178383	177583	176723	175866	175133	174524	173916	173127	172521	171796	171254	170772	171171	169692	169093	
1971	138882	138088	137561	137035	136511	135988	135466	135049	134582	134064	133599	133083	132620	132056	131340	130577	129968	129260	128605	127953	127502	127003	126555	126059	125515	125021	124726	124332	124038	123744	
1972	52528	52528	52501	52420	52339	52258	52555	52663	52663	52582	52474	52447	52420	52366	52312	52231	52150	51989	51855	51748	51641	51508	51321	51135	51003	50844	50739	50633	50528	50397	
1973	252915	252170	251129	250164	248980	247799	246474	245373	244128	242814	241577	240271	239186	237959	236880	235731	234729	233729	232732	231665	230956	230107	229471	228554	228061	227358	226516	225675	224488	223443	
1974	330869	328802	326399	323834	321280	318905	316707	314434	312169	309912	307747	305590	303440	301464	299740	297939	296307	295005	293625	292491	291521	290392	289667	288381	287016	285579	284223	282791	281285	279624	
1975	196675	195443	194280	193184	192285	191324	190492	189727	189154	188709	187884	187188	186556	185862	185169	184451	183851	183225	182538	181852	181292	180485	179804	179185	178568	178013	177460	176907	176417	175866	
1976	68487	67799	67148	66565	66083	65507	65061	64681	64523	64713	65316	67375	68257	68553	68619	68586	68553	68520	68553	68553	68520	68520	68520	68586	68520	68520	68520	68487	70012	70280	
1977	39088	38934	38780	38649	38540	38453	38323	38193	38065	37977	37826	37762	37633	37462	37356	37228	37143	37101	37016	36932	36848	36784	36721	36700	36658	36595	36533	36491	36407	36386	
1978	363979	382213	380543	379061	382120	388461	391652	393158	394196	394573	395139	395423	395234	394476	393441	392687	391276	390055	388555	386871	385097	383421	381563	379709	377860	375924	374176	372158	370237	368230	
1979	235607	234806	233932	233062	232265	231543	230748	230172	229454	228735	227948	227089	226234	225451	224811	224102	223323	222547	221841	221208	220576	219874	219314	219036	218686	218546	218337	217918	218057	218267	
1980	405306	401901	398417	394945	391778	388908	386238	383483	380927	378474	376029	373685	371536	369206	366791	364569	362251	359594	357119	354562	352377	350019	347400	344878	342456	340042	337637	335330	332854	330388	
1981	177334	176720	176292	175925	175741	175558	175436	175191	174949	174827	174705	174522	174279	174097	173975	173793	173672	173430	173188	172946	172704	172402	172281	171980	171920	171920	171920	171800	171619	171498	
1982	405695	403360	401224	399479	397740	395812	393600	391490	389099	387189	385382	383388	381117	378663	375935	373404	371069	369020	366791	364661	362538	360421	358219	356480	358402	369020	374247	375559	376029	375465	
1983	486660	484322	481778	478817	475654	472186	468837	465601	462688	459784	456992	453901	450612	447642	444580	441527	438487	435455	432332	429119	425821	422632	419158	416094	412646	409212	405696	402096	399092	396391	
1984	297625	296627	295550	294390	293234	292079	291011	290271	289453	288469	287570	286755	285859	285372	285209	284965	284965	284803	284722	284315	284234	283991	283263	282615	281887	281081	280355	279631	278748	277545	
1985	224740	223394	221982	220928	220155	219594	219106	218546	217778	216805	216180	215833	215626	215280	214934	214381	213417	212660	212181	211495	211015	210197	209311	208360	207546	206668	205656	204985	204313	203510	
1986	372377	370231	367906	365773	364014	362446	360697	358677	356663	354835	353197	351571	349840	348211	346497	344698	343261	341739	340221	338882	337637	336306	334887	333915	332413	331180	330212	329072	328019	326970	
1987	163383	162743	162045	161640	161177	160714	160253	159909	159563	159161	158704	158417	158131	157789	157389	156992	156537	156084	155745	155293	154954	154559	154111	153605	153157	152822	152487	152152	151708	151208	
1988	80268	80089	79982	79803	79481	79089	78734	78415	78169	77922	77746	77535	77396	77256	77151	77046	76906	76697	76489	76212	75935	75762	75625	75522	75384	75281	75178	75178	75109	75075	
1989	102582	102368	102069	101771	101475	101094	100798	100503	100251	99999	99789	99579	99329	99037	98828	98912	98767	98828	98828	98745	98662	98495	98289	97874	97503	97091	96681	96190	95864	95497	
1990	51437	51359	51255	51125	50996	50867	50712	50558	50404	50250	50097	49893	49689	49538	49336	49209	49159	49083	49033	49008	48983	48933	48908	48908	48883	48833	48783	48783	48783	48758	
1991	102794	102709	102453	102155	101942	101814	101686	101644	101518	101306	101221	101094	100925	100798	100713	100629	100461	100377	100251	100083	99747	99455	99204	99037	98912	98703	98579	98495	98413	98330	
1992	89344	89034	88802	88570	88379	88225	88032	87879	87802	87687	87572	87459	87344	87268	87153	87039	86886	86734	86696	86544	86356	86129	85789	85488	85150	84813	84552	84403	84254	84105	
1993	309986	308204	306594	305076	303645	302300	300877	299374	297873	296544	295301	294141	292904	291505	290107	288633	287327	286185	285128	283991	282858	281644	280355	279070	277865	276666	275150	273637	271972	270313	
1994	128371	127626	126883	126193	125506	124869	124284	123700	123071	122587	122153	121769	121432	121145	120857	120667	120476	120285	120047	119761	119430	119145	118956	118767	118625	118483	118389	118201	118060	118296	
1995	405891	403360	401030	399576	397547	395041	392543	390149	387762	385191	382535	379890	377158	374529	371909	369392	366884	364106	361339	358861	356663	354744	352832	350926	348753	346407	344069	341560	339507	337548	
1996	341292	339328	337282	335153	332854	330740	328808	326883	324963	322962	320967	318893	316996	315193	313395	311432	309560	307864	306089	304233	302552	300961	299374	297625	295796	294059	292491	290929	269453	288060	
1997	329335	327756	327320	326183	324876	323743	322353	320621	318977	317254	315450	313908	312710	311517	310071	308711	307441	306256	304991	304064	303141	302217	301128	300040	299290	298706	298206	297625	296793	295879	
1998	431929	428119	424324	421538	419356	417080	414712	412154	409800	407452	405111	402970	400545	397837	395426	393119	390723	388430	386429	384528	382440	380455	378474	376687	374716	373123	371536	369858	368092	366420	
1999	215211	213899	212729	211837	211152	210265	209242	208157	207006	205724	204447	203310	202174	201177	200183	199190	198071	197086	196168	195189	194277	193369	192591	191881	191236	190594	189823	188928	188034	187207	
2000	165080	164319	163558	162801	162151	161582	161119	160599	160139	159621	158932	158131	157334	156481	155745	155067	154392	153661	152934	152264	151430	150709	150101	149494	148945	148231	147466	146757	146106	145564	
2001	124820	124187	123506	122877	122201	121528	120905	120428	119952	119335	118720	118201	117731	117215	116748	116141	115492	114752	114153	113739	113328	112870	112370	111779	111192	110650	110112	109618	109261	108860	
2002	100882	100461	99957	99495	99162	98787	98495	98247	97957	97709	97380	97009	96640	96313	95945	95416	94806	94284	93721	93121	92563	92048	91613	91219	90626	90473	90044	89693	89383	89073	
2003	198532	197544	196823	195972	194993	193952	192850	191752	190721	189695	188800	187906	187144	186318	185370	184360	183355	182479	181604	180857	180049	179121	178133	177088	176108	175191	174340	173550	172764	172039	
2004	119477	118389	117169	115956	114845	113694	112825	111961	111192	110470	109887	109261	108460	107575	106739	105993	105253	104559	103954	103438	102923	102411	101899	101433	101051	100629	100125	99537	98995	98495	
2005	357944	355749	353834	351743	349659	347490	345328	343261	341113	339061	337015	335064	333119	331004	328896	326708	324788	323049	321225	319323	317513	315536	313566	311602	309615	308034	306256	304738	303057	301380	
2006	265523	264822	263964	263109	261944	260626	259317	257930	256779	255632	254180	252659	251143	249481	248126	246999	245876	244680	243489	242525	241634	240748	239935	239271	238758	238243	237582	237070	236557	236191	
2007	125750	125261	124625	123943	123554	123166	122780	122394	121913	121384	120715	120047	119525	119051	118625	118107	117590	117169	116795	116514	116328	116141	115910	115724	115492	115260	115075	114798	114614	114291	
2008	143250	142128	141064	140007	139113	138326	137491	136503	135572	134695	133926	133261	132548	131635	130674	129720	128820	127974	127279	126637	126046	125408	124820	124333	123846	123457	123022	122587	122153	121769	
2009	129720	128271	126834	125457	124284	123119	122056	121192	120428	119571	118767	118013	117122	116141	115214	114429	113739	113053	112233	111507	110740	109887	109039	107973	107046	106125	105166	104170	103180	102283	
2010	210402	208632	207142	205926	204514	203176	201709	199918	198268	196823	195710	194407	193044	191623	190144	188672	187271	186001	184549	183041	181417	179863	178503	177457	176353	175010	173793	172563	171438	170119	
2011	280033	278668	277306	275707	273796	271814	269760	267794	265758	264198	262720	261248	259932	258546	257317	255708	254256	252735	250915	249028	247149	244829	242079	239271	236265	233641	230821	228233	225807	223536	
2012	95986	95578	95051	94445	93962	93561	93360	93081	92802	92630	92326	92127	91969	91692	91455	91140	90983	90708	90395	90161	90005	89771	89499	89189	88957	88763	88609	88570	88493	88417	
2013	62101	62041	61893	61744	61565	61417	61298	61151	61004	60827	60591	60299	60065	59861	59630	59427	59167	58965	58735	58420	58079	57823	57540	57202	56977	56697	55446	56252	56057	55863	
2014	53603	53469	53309	53015	52750	52512	52353	52222	52064	52012	51933	51854	51776	51671	51567	51437	51307	51151	51022	50944	50867	50790	50764	50712	50609	50506	50404	50327	50275	50225	
Max.	**486660**	**484322**	**481778**	**478817**	**475654**	**472186**	**468837**	**465601**	**462688**	**459784**	**456992**	**453901**	**460612**	**447642**	**444580**	**441527**	**438487**	**435455**	**432332**	**429119**	**425821**	**422632**	**419158**	**416094**	**412646**	**409212**	**405696**	**402096**	**399092**	**396391**	
Min.	**18643**	**18617**	**18590**	**18550**	**18324**	**18080**	**17877**	**17625**	**17347**	**17044**	**16646**	**16287**	**16012**	**15773**	**15626**	**15469**	**15333**	**15232**	**15187**	**15176**	**15165**	**15154**	**15131**	**15054**	**14735**	**14449**	**14163**	**13877**	**13591**	**13349**	
Ave.	**195876**	**194765**	**193665**	**192593**	**191635**	**190726**	**189790**	**188844**	**187903**	**186971**	**186060**	**185197**	**184311**	**183398**	**182496**	**181583**	**180700**	**179844**	**178992**	**178157**	**177350**	**176517**	**175674**	**174854**	**174093**	**173482**	**172782**	**172029**	**171286**	**170551**	

ISABELLA DAM & LAKE
KERN RIVER BASIN, CALIFORNIA
MIDNIGHT STORAGE

OCTOBER ***Units in acre-feet***

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	13110	12900	12674	12465	12243	12000	11777	11512	11317	11122	10943	10790	10710	10694	10718	10742	10774	10799	10816	10824	10824	10816	10816	10816	10816	10816	10841	10867	10900	10900	10900
1955	14614	14529	14434	14360	14317	14264	14264	14264	14264	14254	14233	14211	14201	14180	14158	14148	14127	14106	14085	14064	14043	14032	14011	14000	13990	13969	13947	13937	13916	13894	13873
1956	152591	151583	150750	149916	149193	148359	147971	147415	146748	146095	145390	144901	144358	143761	143273	142676	141971	141053	140206	139518	138618	137666	136819	135972	135147	134373	133806	133188	132878	132775	132775
1957	105994	106558	106079	105644	105209	104773	104381	104076	103858	103684	103510	103380	103336	103336	103293	103249	103206	103075	102944	102857	102726	102599	102472	102429	102387	102387	102387	102387	102344	102260	102217
1958	237313	236302	235579	234796	233873	232807	231813	230748	229753	228759	227775	226657	225540	224353	223097	221700	220322	218811	217370	215929	214487	213205	212193	211586	210709	209967	209089	208213	207342	206679	206083
1959	74245	74177	74109	74075	74006	73938	73904	73836	73768	73700	73666	73632	73598	73564	73530	73462	73428	73360	73292	73224	73190	73122	73086	73020	72985	72917	72849	72815	72747	72679	72610
1960	30543	30432	30302	30173	30062	29970	29933	29915	29896	29878	29859	29822	29804	29785	29767	29748	29730	29711	29693	29674	29656	29637	29619	29582	29563	29526	29508	29489	29452	29452	29434
1961	18364	18364	18364	18351	18324	18298	18271	18231	18193	18168	18143	18118	18105	18092	18092	18080	18054	18029	17991	17953	17902	17877	17852	17839	17814	17789	17764	17751	17739	17713	17701
1962	94826	94373	93973	93573	93134	92774	92374	92014	91654	91095	90535	89987	89521	88978	88630	88203	87815	87427	87039	86690	86308	86045	85857	85631	85443	85255	85142	84992	84954	84842	84766
1963	214556	212126	209899	207409	205287	202899	200653	198436	196418	194465	192664	191392	189984	188639	187060	186368	186620	186431	185739	185048	184293	183350	182533	181719	180855	179868	179127	178818	178201	177646	177090
1964	96884	96843	96802	96720	96638	96596	96514	96391	96226	96144	96020	95938	95855	95773	95690	95608	95526	95484	95402	95361	95320	95278	95196	95155	95114	95032	95073	95196	95196	95196	95196
1965	208078	207210	206083	204822	203562	202369	201175	200066	198894	197851	196874	195701	194593	193313	192160	190880	189727	188511	187625	186682	185739	184796	183916	182973	182093	181164	180115	179127	178139	177152	176165
1966	88746	88358	87971	87662	87354	87086	86856	86703	86549	86359	86130	85902	85465	85220	84993	84842	84729	84616	84541	84466	84391	84353	84316	84316	84279	84241	84091	83979	83755	83531	83345
1967	273662	270475	267155	263706	260359	257186	254109	250906	247651	244421	241723	241359	240851	240416	239982	239475	238897	238392	237959	236880	235445	234300	233088	231736	230461	229259	228202	227077	226095	225186	224348
1968	121992	121895	121798	121557	121363	121267	121171	121074	120978	120930	120833	120737	120737	120737	120785	120737	120689	120641	120593	120545	120449	120401	120353	120257	120209	120161	120113	120066	120018	119922	119874
1969	351800	349315	347192	344811	342439	340074	337805	335195	332769	330352	328029	325543	322982	320346	317805	315359	313007	310747	308329	306004	303936	301628	299330	297041	294924	292653	290634	288943	287579	285978	284064
1970	168734	168257	167899	167483	167007	166296	165822	165173	164583	164230	163878	163525	163232	162881	162530	162238	162004	161713	161421	160956	160549	160259	159969	159796	159333	159333	159160	158813	158468	158237	158122
1971	123598	123451	123304	123207	123061	122963	122817	122720	122623	122477	122331	122234	122089	121695	121798	121702	121557	121460	121412	121412	121412	121412	121315	121267	121267	121171	121074	121026	120930	120785	120689
1972	50265	50239	50213	50187	50213	50344	50344	50318	50239	50239	50187	50161	50161	50135	50056	50030	50056	50082	50108	50239	50318	50397	50449	50475	50475	50475	50475	50449	50475	50475	50397
1973	222261	220876	219633	218463	217091	215791	214769	214292	213816	213477	213138	212934	212799	212595	212460	212392	212257	212054	211986	211764	211561	211446	211243	210973	210771	210501	210367	210098	209963	209761	209157
1974	277498	275537	273896	272493	271018	269237	268311	266771	265389	263935	262715	261573	260283	259072	257864	256584	255307	253960	252691	251203	250164	249349	248536	247799	246915	246327	245593	245593	245006	244494	242762
1975	175820	175276	174914	174492	174251	173831	173351	173231	173111	172931	172871	172931	172871	172931	172931	172931	172811	172692	172632	172453	172273	172154	172094	172094	171975	171796	171855	172034	172094	172094	172214
1976	70447	70447	70481	70481	70514	70548	70649	70649	70514	70380	70280	70213	70179	70079	70012	70012	70012	69945	69945	69979	69945	69945	69912	69812	69778	69712	69745	69712	69645	69645	69612
1977	36407	36407	36345	36345	36303	36261	36261	36282	36282	36261	36240	36220	36178	36136	36116	36074	36033	35991	35909	35847	35826	35826	35805	35785	35764	35743	35723	35702	35620	35620	35620
1978	366229	364142	361971	359808	357561	355232	353000	350775	348381	345907	343618	341337	339063	336972	334627	332378	330050	327903	325677	323459	321419	319301	317107	314836	312658	310488	308326	306089	303614	301395	299594
1979	217918	217709	217569	217432	217292	217083	216805	216527	216249	216041	215763	215557	215280	215003	214657	214312	213899	213348	213072	213417	213624	213624	213348	213210	212935	212729	212454	211975	212112	211769	211769
1980	327931	325484	323136	320881	318634	316138	313652	311091	308456	306004	303561	300793	297708	294804	292739	291093	289615	288060	286674	285126	283585	282129	280758	279389	277865	276506	275388	273955	282686	271103	269997
1981	171600	171498	171258	171198	171137	171017	170897	170777	170717	170478	170418	170478	170418	170478	170298	170179	170119	170059	169999	169939	169819	169700	169520	169341	169222	168984	168984	169162	169281	169281	169162
1982	374716	373779	372564	370975	369485	367441	365495	363736	361892	360053	358219	356297	354381	352377	350472	348663	346587	344608	342456	340132	337548	334710	331621	328721	325659	323482	321485	318893	315966	314337	313395
1983	394752	392927	391011	389290	387284	385572	383863	382158	380360	378474	376499	374529	372377	370138	367999	366049	364014	361985	359594	357027	354470	352016	349568	346948	344339	341560	338882	336129	333561	330916	328457
1984	276746	275867	275230	274433	273637	272765	272051	271182	270392	269445	268266	267794	266776	265914	265134	264276	264198	263808	263420	263167	262798	262410	262021	261789	261015	260319	260010	259548	259162	258854	258546
1985	202842	202174	201510	200978	200446	199786	199058	198532	197873	197281	196823	196364	195906	195385	194863	194212	193888	193498	193174	192850	192397	192269	192140	192010	192010	191881	191817	191623	191430	191301	191236
1986	326445	324440	322267	320101	317857	315450	313224	311005	308861	306594	304317	302133	300040	298039	295879	293811	291832	290025	288142	286348	284397	282534	280839	279070	277465	275946	274513	273003	271418	269918	268423
1987	150709	150212	149715	149219	148670	148067	147466	147030	146703	146485	146268	146052	145835	145672	145456	145293	145077	144808	144592	144377	144377	144269	144161	144215	144161	144054	144000	143946	143839	143731	143677
1988	75041	74972	74869	74768	74631	74563	74460	74392	74290	74256	74188	74188	74154	74086	74086	74052	73984	73883	73849	73849	73782	73680	73646	73579	73511	73477	73410	73376	73342	73342	73342
1989	95132	94768	94525	94204	93962	93761	93601	93400	93201	92962	92842	92722	92503	92484	92404	92206	92087	92008	91929	92850	91810	91810	91731	91573	91534	91494	91455	91415	91376	91337	91337
1990	48683	48558	48508	48458	48359	48259	48185	48160	48110	48036	47962	47912	47838	47814	47764	47764	47764	47716	47592	47494	47445	47347	47298	47249	47176	47127	47079	47030	46957	46908	46859
1991	98164	97999	97792	97626	97461	97297	97174	97009	96845	96681	96558	96476	96313	96027	95782	95538	95295	95092	94930	94808	94606	94364	94163	93962	93801	93842	94163	94163	94002	93882	93801
1992	83994	83845	83771	83698	83550	83550	83476	83402	83328	83254	83180	83107	82996	82812	82703	82629	82556	82519	82446	82409	82372	82372	82409	82519	82519	82519	82446	82372	82299	82886	83661
1993	268659	267089	265447	263686	262487	261170	259855	258623	257547	256319	255402	254562	253724	253267	252963	252735	252507	252127	251673	251294	250840	250461	250085	249632	249103	248576	248051	247374	246942	246326	245951
1994	118436	118389	118296	118296	118389	118483	118578	118672	118767	118767	118720	118672	118578	118483	118389	118343	118296	118201	118154	118060	117966	117872	117778	117684	117590	117449	117355	117215	117075	116982	116888
1995	335596	333561	331621	329860	328019	326183	324440	322701	321139	319669	318116	316740	315364	314080	312710	311346	310071	308796	307271	305582	303729	301631	299541	297458	295384	293565	291750	290107	288469	286674	284884
1996	286755	285614	284397	283263	282291	281323	280114	278748	277146	275457	273796	272210	270708	269289	267637	266149	264822	263574	262565	261711	260706	259932	259240	258623	257930	257470	257010	256626	256319	256089	256013
1997	294804	293728	292987	292409	291997	291422	290929	290436	289861	289289	288961	288551	288060	287408	286674	285940	285291	284640	283828	283020	282291	281402	280597	279550	278106	276586	275150	273876	272527	271182	270076
1998	364569	362630	360973	359318	357485	355383	353288	351017	348753	346768	344878	342994	341113	339150	337104	335064	333119	331180	328896	326533	324265	321919	319755	317857	316138	314423	312796	311176	309645	308204	306848
1999	186508	185876	185180	184423	183669	183041	182479	181979	181666	181354	180982	180422	179739	179121	178588	178503	178318	177888	177580	177211	176842	176537	176353	176169	175863	175497	175130	174827	174644	174522	174462
2000	145023	144592	144054	143464	142768	142128	141596	141011	140430	140060	139534	139113	138798	138640	138535	138326	138065	137752	137388	137074	136919	136763	136503	136140	135726	135572	135469	135365	135365	135417	135417
2001	108371	107840	107398	106871	106300	105863	105471	105079	104818	104516	104170	103911	103696	103395	102923	102411	101857	101263	100756	100461	100251	100083	99957	99831	99747	99663	99579	99537	99455	99537	99621
2002	88802	88532	88302	88148	88032	87917	87687	87382	87039	86658	86356	86091	85864	85564	85263	84963	84701	84515	84329	84105	83920	83698	83476	83254	83070	82922	82812	82629	82482	82372	82299
2003	171258	170358	169700	169102	168508	167794	167064	166315	165197	164064	163149	162452	161813	161061	160310	159736	159219	158704	158246	157732	157049	156367	155632	154954	154279	153549	152878	152097	151319	150653	150156
2004	98081	97833	97503	97091	96722	96435	96149	95904	95741	95578	95497	95416	95335	95214	95132	95051	95011	95011	95173	95497	95578	95497	95295	95132	94970	95011	95011	94930	94849	94768	94727
2005	299792	298123	296376	294721	293152	291585	290025	288306	286919	285533	284072	282534	280920	279150	277785	276586	275467	274752	273637	272368	271182	270155	269131	268030	266933	265836	264744	263808	262954	262177	261248
2006	235826	235388	235098	234952	234806	234587	234515	234442	234296	234151	234005	233860	233860	233860	233787	233569	233425	233280	233207	233135	233062	232990	232845	232627	232410	232192	231975	231686	231398	231109	230893
2007	113923	113649	113465	113190	113053	112962	112688	112370	112097	111779	111553	111327	111192	111011	110876	110695	110515	110380	110335	110246	110156	109932	109708	109618	109574	109484	109395	109216	109039	108905	108682
2008	121384	121049	120667	120381	120095	119714	119383	118956	118483	118060	117778	117543	117261	116935	116748	116514	116188	115863	115492	115121	114752	114337	113923	113557	113190	112779	112370	111961	111598	111327	111237
2009	101475	100798	100251	99705	99162	98620	98123	97668	97297	96927	96640	96354	96149	98413	100125	101136	101942	102794	103137	103524	103738	103824	103868	103824	103824	103696	103610	103524	103395	103309	103309
2010	168865	167735	166552	165374	164728	164143	163675	163441	163266	163093	162918	162626	162219	161597	161235	160772	159966	159333	159161	158817	158417	158189	158017	157960	157503	157732	157789	157560	157446	157550	157106
2011	221348	219244	216944	214796	213555	212591	211152	209719	208224	207006	205791	204649	203243	201377	199455	197281	195189	193109	190914	188608	186255	183858	181666	179555	177826	176414	174644	172825	171017	169341	168329
2012	86379	88225	88032	87841	87687	87572	87268	87001	86848	86696	86620	86620	86658	86658	86582	86470	86394	86356	86242	86129	86091	85940	85902	85902	85978	85978	85940	85789	85600	85338	85150
2013	55697	55560	55395	55258	55038	54820	54602	54439	54385	54331	54222	54061	53980	53899	53899	53845	53764	53684	53603	53576	53523	53496	53443	53362	53309	53229	53095	53042	53042	52962	52962
2014	50225	50250	50199	50097	50020	49918	49817	49689	49589	49487	49411	49386	49411	49336	49184	49109	49058	49008	48958	48883	48633	48284	47962	47642	47298	46981	46689	46351	45966	45585	45418
Max.	**394752**	**392927**	**391011**	**389290**	**387284**	**385572**	**383863**	**382158**	**380360**	**378474**	**376499**	**374529**	**372377**	**370138**	**367999**	**366049**	**364014**	**361985**	**359594**	**357027**	**354470**	**352016**	**349568**	**346948**	**344339**	**341560**	**338882**	**336129**	**333561**	**330916**	**328457**
Min.	**13110**	**12900**	**12674**	**12466**	**12243**	**12000**	**11777**	**11512**	**11317**	**11122**	**10943**	**10790**	**10710**	**10694**	**10718**	**10742**	**10774**	**10799**	**10816**	**10824**	**10824**	**10816**	**10816**	**10816**	**10816**	**10816**	**10841**	**10867**	**10900**	**10900**	**10900**
Ave.	**169807**	**169022**	**168105**	**167520**	**166799**	**166058**	**165354**	**164644**	**163946**	**163258**	**162610**	**162028**	**161423**	**160851**	**160290**	**159742**	**159226**	**158699**	**158161**	**157632**	**157049**	**156485**	**155931**	**155391**	**154831**	**154319**	**153842**	**153352**	**153034**	**152430**	**152032**

ISABELLA DAM & LAKE
KERN RIVER BASIN, CALIFORNIA
MIDNIGHT STORAGE

NOVEMBER — ***Units in acre-feet***

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	10900	10900	10900	10900	10892	10892	10884	10884	10884	10858	10841	10841	10841	10841	10782	10782	10702	10518	10326	10110	9904	9655	9442	9301	9170	9050	8901	8733	8593	8537	
1955	13852	13831	13810	13799	13788	13788	13672	13488	13310	13112	12903	12695	12568	12559	12559	12550	12550	12550	12550	12559	12559	12559	12550	12532	12532	12532	12541	12541	12550	12541	
1956	132723	132723	132723	132723	132620	132568	132517	132465	132362	132310	132207	132156	132052	131949	131898	131846	131795	131743	131692	131640	131486	131383	131383	131331	131331	131279	131279	131228	131228	131176	
1957	102133	102091	102048	101964	101921	101921	101879	101921	101921	101921	101921	101921	101879	101879	101837	101794	101752	101709	101709	101709	101667	101625	101625	101625	101625	101582	101540	101497	101413	101328	
1958	205420	204756	204159	203496	202899	202369	201971	201441	200913	200587	200262	200001	199806	199806	199806	199676	199610	199610	199806	199741	199806	199741	199806	199741	199676	199610	199545	199480	199350	199219	
1959	72576	72542	72508	72474	72406	72372	72338	72304	72304	72270	72270	72236	72202	72202	72168	72135	72135	72102	72069	72036	72003	72003	71970	71970	71937	71904	71871	71871	71871	71838	
1960	29415	29397	29434	29452	29508	29508	29508	29489	29470	29470	29452	29489	29508	29526	29545	29582	29600	29619	29582	29526	29526	29545	29526	29489	29415	29397	29397	29378	29378	29378	
1961	17688	17676	17663	17650	17625	17613	17600	17587	17575	17562	17537	17524	17511	17486	17460	17448	17435	17423	17410	17435	17460	17448	17448	17448	17600	17600	17600	17587	17587	17575	
1962	84691	84654	84616	84541	84503	84503	84466	84428	84390	84353	84315	84315	84278	84240	84202	84165	84127	84090	84052	84052	84052	84014	84014	83977	83939	83902	83864	83826	83789	83789	
1963	176473	175673	175189	174462	174159	173736	173494	173251	173009	172767	172525	172222	171799	171375	171194	171073	170891	170891	170891	170073	170073	170891	170770	170649	170649	170709	170649	170588	170588	170588	
1964	95073	95073	94991	94991	94949	94908	94867	94826	94908	95073	95196	95320	95320	95278	95278	95320	95278	95278	95278	95237	95196	95196	95196	95155	95114	95032	94991	94991	94949	94908	
1965	175249	174583	173978	173373	172888	172403	172040	171738	171496	171254	171012	170709	170588	170709	170891	171073	171436	171496	171375	171133	170830	170891	171557	172767	173312	173191	172706	171920	171012	170164	
1966	83196	83048	82899	82714	82530	82456	82419	82419	82419	82382	82345	82308	82308	82272	82235	82161	82124	82124	82088	82161	82124	82088	82051	82014	81977	81977	81941	82051	82640	82788	
1967	223443	222608	221568	220461	219358	218463	217639	216406	215177	213816	211919	210232	208754	207749	206747	206014	205349	204685	204685	204685	204552	204022	203426	202831	202106	201447	200593	200068	200134	200461	
1968	119626	119778	119778	119778	119731	119683	119683	119635	119587	119587	119540	119492	119492	119444	119970	120018	119970	119874	119874	119826	119826	119778	119731	119731	119635	119587	119540	119540	119492	119492	
1969	282712	281443	280019	278127	275928	274286	272493	270630	268542	266540	264318	261953	259752	257487	255083	252989	251277	249423	247209	244860	242814	240706	239041	238536	236305	234068	231878	229895	228202	226376	
1970	157950	157835	157546	157261	157032	156860	156803	156631	156517	156574	156574	156574	156631	156631	156631	156688	156688	156688	156688	156631	156631	156574	156574	156517	157089	158007	158468	158640	159564	159854	
1971	120689	120737	120737	120737	120689	120641	120593	120545	120497	120449	120497	120641	120641	120545	120497	120401	120353	120305	120305	120257	120257	120209	120209	120161	120161	120449	120689	120641	120641	120689	
1972	50397	50370	50344	50528	50581	50633	50686	50739	50739	50976	51082	51215	51295	51614	51855	52124	52258	52258	52339	52366	52339	52285	52258	52177	52150	52124	52124	52124	52124	52097	
1973	208754	208218	207749	207281	206480	206147	205814	205349	204751	204486	204353	204486	204685	204618	204552	204353	204618	205216	205282	204884	205149	205083	204950	204817	204685	204685	204751	204751	204751	204685	
1974	243252	242596	242014	241577	241069	240705	240199	239909	239547	239330	238969	238464	237959	236880	236090	235230	234372	233373	232874	231878	230956	230319	229612	226765	228061	227288	226376	225745	225046	224767	
1975	172094	172094	172094	172034	171796	171736	171319	171498	171498	171319	171438	171378	171259	171140	171081	170902	170843	170784	170665	170487	170546	170427	170427	170427	170427	170309	170309	170487	170249	170190	
1976	69612	69612	69579	69512	69446	69379	69313	69247	69147	69147	69180	69147	69048	69015	69114	69114	69081	69114	69081	69048	69015	68982	68949	68883	68817	68784	68718	68685	68619	68586	
1977	35620	35600	35600	35579	35579	35620	35538	35517	35517	35476	35456	35436	35415	35395	35374	35354	35313	35272	35231	35211	35130	35109	35170	35150	35130	35109	35069	35048	35028	35008	
1978	292162	289943	287652	285452	283585	281644	279792	277705	275547	273558	271814	269681	268266	266541	264978	263343	262177	261711	260242	258700	257394	256166	255096	253801	252659	251446	250385	249254	248350	247599	
1979	211700	211700	211563	211563	211495	211358	211289	211152	211152	211152	211152	211015	210879	210810	210605	210833	210470	210402	210402	210265	210060	209992	209924	209788	209924	210129	210265	210060	209856	209719	
1980	268816	267480	265992	264510	263031	261480	259778	258238	256626	255020	253267	251749	250159	248425	246849	245278	243564	241931	240230	238537	236924	235461	233787	232555	231830	231398	231254	231109	230965	230748	
1981	169102	168984	168925	168865	168806	168567	168508	168508	168448	168329	168329	168210	168329	168448	168686	168627	168329	168270	167972	167854	167557	167499	167499	167321	167380	167380	167499	167854	167794	167735	
1982	311602	309645	307525	305413	303309	301212	298956	296793	294721	292327	290189	287652	285372	282658	280517	278186	275707	273717	272924	271655	270313	268895	267794	266697	265447	264042	262487	261170	260164	267246	
1983	326270	324178	321919	319928	317513	315278	312625	310750	308456	306340	305582	305244	304148	302804	301380	299123	297789	297042	295632	296461	296544	295218	295218	296211	300373	301045	301296	301128	300877	300710	
1984	258161	257240	256856	256243	255479	254485	253648	252963	252355	251522	250915	250085	250085	250159	250085	250159	250310	250234	250310	250159	250159	250688	250688	251749	252279	252431	252583	254333	254791	254409	
1985	191043	190978	190914	190721	190721	190658	190401	190273	190144	190080	190144	190016	189951	189951	189951	189823	189823	189887	189951	189951	189951	189823	189823	190144	190273	190465	190144	190337	191043	191494	
1986	267089	266071	265134	264354	263420	262487	261633	261015	260474	259701	258469	257317	256156	255020	253951	252887	251977	251370	250915	250234	249632	249254	248726	248201	247975	247599	247299	246924	246549	246101	
1987	143677	143731	143785	143946	143839	143892	144000	144054	144054	144054	143946	143839	143677	143731	143624	143518	143624	143731	143624	143464	143410	143357	143303	143089	143196	143142	142982	142875	142768	142661	
1988	73342	73275	73174	73140	73107	73040	72939	72872	72872	72805	72805	72805	72738	72839	72872	72839	72772	72805	72772	72738	72705	72705	72705	72939	73174	73275	73107	73074	73074	73074	
1989	91298	91298	91258	91180	91062	91022	90983	90944	90826	90747	90747	90669	90630	90669	90630	90630	90630	90590	90512	90395	90356	90278	90161	90044	89966	90122	90161	90005	89888	89732	
1990	46635	46811	46811	46811	46762	46762	46762	46738	46738	46738	46738	46689	46665	46568	46544	46496	46399	46327	46303	46255	46279	46279	46279	46279	46279	46351	46399	46375	46327	45303	
1991	93721	93641	93601	93521	93480	93440	93440	93321	93201	93121	93041	93002	92682	92762	92683	92603	92523	92722	92762	92683	92722	92762	92762	92762	92762	92802	92722	92643	92484	92404	
1992	83994	83957	84031	84031	83994	83957	83920	83883	83883	83845	83771	83698	83661	83624	83587	83550	83476	83402	83328	83328	83328	83291	83291	83291	83254	83217	83107	82996	82959	82886	
1993	245652	245427	245278	245128	245054	244979	244829	244755	244680	244606	244606	244606	244531	244829	244904	244829	244829	244755	244755	244755	244680	244531	244458	244383	244309	244160	244011	243862	243787	243862	
1994	116748	116608	116514	116421	116328	116328	116328	116328	116328	116328	116234	116141	116141	116095	116095	116095	116188	116281	116281	116234	116281	116281	116234	116188	116188	116374	116328	116328	116374	116374	
1995	283263	281806	280839	279953	278909	277705	276586	275388	274035	272845	271576	270234	268895	267480	266071	264588	263109	261711	260396	259085	257701	256396	255096	253877	252507	251294	249934	248877	247975	247074	
1996	255936	255860	255708	255555	255402	255096	254791	254256	253724	253191	252659	252203	251749	251294	250764	250310	250840	252203	252127	252051	253039	258700	260938	261944	261944	260474	258007	255020	252431	249556	
1997	269289	268423	267403	266306	265134	263964	262798	261633	260551	259625	258700	257624	256626	255708	254714	253801	252963	252051	251143	250612	249783	248877	247900	246999	246326	246101	245951	245652	245352	245128	
1998	305413	303814	301965	299792	297542	295135	292904	290764	288551	286429	284397	282049	279792	277705	275627	273321	271024	268816	266541	264042	261633	259162	256396	253801	251673	249858	248425	246999	245951	244979	
1999	174401	174340	174340	174340	174340	174279	174218	174218	174279	174340	174401	174462	174462	174462	174462	174462	174340	174279	174097	174036	174097	174157	174157	174097	174036	173975	173975	173975	173914	173854	
2000	135417	135365	135314	135314	135211	135262	135262	135159	135159	135107	135107	135056	134953	134953	134901	134798	134695	134592	134490	134387	134234	134183	134234	134285	134285	134285	134337	134387	134387	134438	
2001	99621	99537	99455	99413	99371	99287	99246	99204	99120	99037	98953	99120	99120	99162	99204	99162	99079	99037	98995	98995	98870	98787	98870	99204	100209	100125	100041	99999	100293	100419	
2002	82299	82262	82226	82189	82116	82043	82153	98537	118625	124429	127477	128820	129670	130624	131230	131736	132192	132548	132905	133261	133516	133721	133926	134131	134285	134285	134285	134265	134337	134541	
2003	149935	149825	149715	149604	149604	149604	149549	149604	149770	149825	149825	149770	149715	149604	149439	149384	149439	149439	149384	149274	149219	149219	149164	149109	149054	149054	149054	148999	148999	148999	
2004	94687	94727	94727	94687	94647	94606	94566	94566	94566	94566	94566	94566	94525	94525	94485	94445	94404	94325	94244	94163	94083	94043	94043	94043	94043	94043	94083	94244	94204	94163	
2005	260087	258700	257317	256013	254943	253877	252735	251673	250537	249632	248802	248051	247299	246774	246474	246176	245951	245726	245502	245502	245427	245352	245352	245278	245128	244979	244904	244829	244680	244606	
2006	230676	230460	230318	230100	230028	229884	229669	229454	229238	229094	228807	228663	228520	228448	228448	228305	228233	228161	228090	228020	227805	227590	227447	227232	227018	226804	226518	226304	226020	225878	
2007	108682	108638	108638	108593	108593	108549	108460	108327	108238	108194	108149	108105	108149	108149	108105	108017	107973	107929	107929	107929	107885	107796	107796	107752	107752	107708	107663	107619	107487	107266	
2008	111373	111507	111643	111553	111462	111462	111418	111462	111553	111553	111462	111462	111462	111507	111507	111462	111373	111282	111192	111056	110921	110830	110785	110740	110695	111011	110966	110921	110876	110630	
2009	103309	103266	103180	103052	102880	102794	102752	102794	102752	102709	102666	102624	102666	102709	102794	102794	102794	102752	102709	102624	102539	102496	102496	102496	102539	102539	102453	102368	102325	102283	
2010	157049	156878	156708	156481	156310	156140	156084	156027	155915	155915	155970	155915	155915	155915	155858	155802	155745	155632	155462	155575	155858	155688	155745	156140	156424	156537	156708	157220	157389	157561	
2011	168151	167854	167440	167143	167025	167143	167203	167380	167380	167321	167380	167854	168151	168270	168270	168280	168151	167854	168032	168032	168032	168032	168032	168151	168151	168211	168270	168270	168329	168270	
2012	85075	84963	84738	84552	84403	84291	84105	83957	83845	83771	83771	83734	83771	83845	83845	83883	83994	84180	84291	84180	84068	84031	83957	83883	83771	83968	83698	83698	83624	83624	
2013	52989	52909	52962	52962	53051	53095	53095	53149	53255	53362	53496	53603	53710	53684	53818	53899	54034	54115	54222	54277	54439	54412	54412	54358	54331	54331	54385	54358	54358	54358	
2014	45418	45442	45442	45418	45394	45347	45324	45300	45229	45181	45158	45158	45110	45087	45016	45110	45110	45110	45039	45039	45039	45016	44992	44992	44969	44945	44921	44874	44851	44804	
Max.	**326270**	**324178**	**321919**	**319928**	**317513**	**315278**	**312625**	**310750**	**308456**	**306340**	**305582**	**305244**	**304148**	**302804**	**301380**	**299123**	**297789**	**297042**	**295632**	**296461**	**296544**	**295218**	**295218**	**296211**	**300373**	**301045**	**301296**	**301128**	**300877**	**300710**	
Min.	**10900**	**10900**	**10900**	**10900**	**10892**	**10892**	**10884**	**10884**	**10884**	**10858**	**10841**	**10841**	**10841**	**10841**	**10782**	**10782**	**10702**	**10518**	**10326**	**10110**	**9904**	**9655**	**9442**	**9301**	**9170**	**9050**	**8901**	**8733**	**8593**	**8537**	
Ave.	**151607**	**151236**	**150868**	**150486**	**150094**	**149727**	**149352**	**149270**	**149235**	**148984**	**148708**	**148397**	**148101**	**147814**	**147538**	**147235**	**146977**	**146772**	**146537**	**146284**	**146072**	**145926**	**145757**	**145638**	**145561**	**145402**	**145179**	**144992**	**144830**	**144782**	

ISABELLA DAM & LAKE
KERN RIVER BASIN, CALIFORNIA
MIDNIGHT STORAGE

DECEMBER — ***Units in acre-feet***

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	8537	8537	8558	8600	8607	8600	8607	8607	8621	8649	8649	8649	8656	8656	8656	8663	8663	8663	8670	8670	8677	8684	8684	8670	8670	8670	8670	8670	8670	8670	8670
1955	12814	12863	12863	12863	12863	13419	13863	13905	14487	14646	14669	14680	14680	14680	14669	14657	14657	14646	14646	14657	14657	14871	39080	51798	59205	64531	69135	72406	74960	76912	78567
1956	131125	131125	131021	130970	130970	130918	130918	130867	130765	130715	130715	130715	130765	130765	130664	130664	130614	130614	130564	130564	130514	130464	130464	130413	130413	130413	130363	130363	130313	130313	130313
1957	101244	101201	101201	101159	101328	101286	101286	101286	101286	101244	101201	101117	101117	101074	101201	101328	101540	101582	101582	101540	101497	101455	101455	101413	101413	101413	101413	101413	101413	101413	101413
1958	199154	199089	199089	199024	198894	198894	198894	198829	198698	198698	198763	198763	198763	198763	198698	198633	198633	198568	198503	198503	198503	198503	198503	198438	198373	198307	198242	198242	198177	198112	198112
1959	71805	71772	71739	71706	71674	71641	71608	71575	71542	71509	71509	71476	71443	71410	71410	71377	71377	71377	71344	71476	71476	71476	71509	71608	71608	71608	71608	71575	71575	71641	71608
1960	29378	29360	29341	29341	29323	29304	29286	29286	29286	29286	29286	29304	29304	29304	29304	29286	29267	29267	29267	29267	29267	29249	29230	29230	29212	29212	29193	29175	29156	29138	29119
1961	17575	17663	17650	17638	17538	17625	17625	17613	17613	17600	17575	17575	17575	17575	17575	17562	17562	17562	17549	17549	17549	17549	17549	17549	17549	17549	17537	17537	17537	17524	17524
1962	83751	81714	83676	83676	83676	83676	83676	83638	83601	83563	83526	83526	83488	83450	83413	83375	83338	83300	83262	83225	83150	83112	83074	83037	82999	82924	82886	82886	82849	82849	82849
1963	170527	170467	170467	170406	170346	170346	170346	170285	170527	170527	170467	170467	170467	170467	170467	170467	170406	170346	170285	170285	170164	170104	170104	170043	170043	170043	169983	169983	169983	169983	170043
1964	94867	94949	94908	94867	94867	94826	94785	94785	94744	94744	94703	94661	94661	94620	94579	94579	94538	94497	94620	94620	94620	94661	95526	99973	103249	105122	112711	115523	116765	117687	118303
1965	170104	169983	169983	169983	169922	169922	169922	169922	169983	169983	169983	169922	169862	169862	169740	169561	169502	169502	169443	169502	169443	169443	169443	169443	169443	169443	169443	169443	170588	171012	171193
1966	82714	83011	84616	85295	111121	260358	292653	304514	311918	317467	321960	325372	328458	330869	333029	334848	336325	336760	336934	337195	337369	336760	335369	333288	331128	328888	326228	322897	319752	316623	313258
1967	200593	200330	200265	200068	200068	199937	199937	199871	199871	199806	199806	199806	199675	199282	199413	199544	199740	200265	200199	200199	200134	200068	200068	200068	200068	200068	200134	200134	200068	200002	199937
1968	119444	119397	119397	119397	119397	119397	119349	119683	120161	120593	121171	121505	121992	122623	123304	124087	124136	124087	124038	124038	123989	123989	124038	124135	124283	124431	124381	124431	124529	124480	124480
1969	225186	224976	224906	224767	224767	224697	224627	224557	224557	224488	224418	224418	224418	224488	224557	224557	224557	224557	224557	225326	225326	225815	225745	225605	225605	226235	226235	226025	225885	225675	225535
1970	160027	160491	160607	160782	161130	161946	162705	163467	164348	165291	166059	166651	167067	167304	167542	167899	168317	168615	168734	168914	169811	170171	170351	170532	170652	170953	171193	171434	171615	171857	172038
1971	120689	120641	120641	120593	120497	120497	120497	120449	120401	120401	120449	120689	120785	120785	120930	120930	120930	121026	121026	121026	121026	121219	121460	121943	122137	122186	122137	122089	121992	121992	122040
1972	52070	51989	51989	52636	52799	52935	53125	53289	53316	53316	53344	53371	53398	53426	53480	53562	53645	53810	51030	54334	54528	54722	54945	55113	55280	55308	55365	55533	55589	55589	55589
1973	204884	204817	204751	204685	204618	204552	204486	204353	204353	204287	204022	204083	204751	205482	205415	205415	205349	205349	205282	205216	205017	205083	205083	205083	205017	204950	204751	205282	205216	205748	205948
1974	224697	224697	224837	225885	225815	225535	225396	224976	224767	224627	224627	224552	224837	224837	224837	224837	224697	224697	224627	224697	224348	224348	224209	224139	224069	224139	224209	224209	224209	224209	223930
1975	170190	170249	170309	170309	170368	170368	170309	170249	170249	170249	170131	170071	170071	170131	169953	169953	169893	169953	169953	169953	169953	169953	169953	169953	170012	170131	170131	170190	170190	170131	170190
1976	68586	68553	68553	68520	68487	68454	68454	68389	68389	68356	68323	68257	68224	68192	68159	68126	68093	68061	68025	67995	67930	67897	67864	67831	67799	67766	67734	67701	67668	67766	67701
1977	34988	34967	34947	34907	34927	34907	34785	34805	34765	34745	34644	34644	34584	34504	34544	34504	35028	35702	35805	35743	35723	35764	35847	35868	35929	36033	38431	41634	42823	43438	43820
1978	248126	247825	247675	247149	247299	247224	246849	246326	246101	245951	245726	245577	245278	245128	245128	244829	245128	245577	245502	245427	245427	245427	245427	245352	245352	245352	245203	245278	245203	245054	244904
1979	209719	209583	209651	209379	209651	209719	209651	209651	209583	209515	209515	209311	209106	209106	209106	209106	209106	209038	209106	208768	208700	208836	208768	208700	208768	208700	208632	208632	208768	208632	208768
1980	230532	230460	230748	231543	231903	231903	231903	231903	231903	231903	232047	231975	232047	232047	232047	232120	231975	231686	231543	231254	230893	230604	230460	230316	230172	230028	229956	230028	230028	229956	229813
1981	167676	167676	167616	167499	167380	167321	167321	167380	167321	167380	167321	167025	167143	167203	167084	167203	167143	167084	166966	167025	167735	167499	167321	167203	167143	167025	166907	167143	167262	167794	168210
1982	267794	267168	266306	265056	263498	261170	258777	256243	253877	251825	249934	247900	247074	246399	245876	245577	245278	245203	244979	244904	245054	249934	256549	258546	259625	260551	261170	261480	261633	261711	261558
1983	300040	299123	299290	299040	298539	297956	297789	297542	297042	298039	297292	297625	296793	296378	295879	294886	294307	293399	292162	290847	289943	289043	288551	288224	293482	299541	303645	307356	309220	310579	311944
1984	254104	253724	253115	252507	251977	251143	250385	249481	248576	247975	247074	246326	245502	244904	244755	244979	245054	245128	245652	245577	245577	245577	245502	245502	245352	245352	245352	245278	245203	245054	244979
1985	191688	193304	194733	195059	195124	195059	194993	195189	195189	195320	195320	195254	195254	195320	195385	195450	195516	195385	195385	195385	195320	195320	195320	195254	195189	195189	195124	194993	195124	195385	195516
1986	245577	245203	245054	244979	244904	244979	245203	245203	245128	245128	245054	244979	244904	244904	244829	244680	244606	244531	244458	244531	244531	244458	244458	244458	244383	244383	244309	244309	244160	244160	244085
1987	142661	142768	142875	143303	143518	143464	143785	143731	143731	143624	143624	143731	143518	143410	143410	143357	143303	143303	143410	143410	143464	143357	143464	143357	143250	143303	143357	143357	143464	143464	143410
1988	73074	73007	73007	72939	72672	72906	72973	72839	72638	72671	72671	72671	72738	72705	72671	72805	72906	72805	72939	73107	73140	73040	73107	73816	74018	73849	73579	73579	73613	73477	73545
1989	89576	89460	89305	89189	88957	88725	88455	88186	87917	87649	87382	87115	86886	85734	86620	86544	86432	86356	86280	86280	86280	86280	86280	86242	86280	86204	86167	86129	86091	86053	85978
1990	46303	46303	46303	46279	46255	46255	46231	46207	46207	46183	46134	46134	46086	46110	46038	45966	45942	45895	45990	46086	46062	46062	46014	45966	46038	46158	46207	46134	46110	46062	46014
1991	92326	92206	92048	91929	91771	91573	91415	91415	91337	91258	91101	90865	90669	90434	90161	89888	89654	89576	89615	89654	89576	89499	89499	89460	89499	89499	89460	89499	89538	89615	89654
1992	82849	82703	82556	82519	82409	82336	82519	82409	82446	82482	82519	82482	82446	82409	82336	82226	82189	82262	82262	82262	82226	82262	82262	82226	82153	82080	82080	82080	82226	82262	82262
1993	243787	243638	243415	243117	242969	242746	242599	242376	242228	242079	242376	242671	242746	242746	242894	242969	242969	242894	242820	242820	242820	242746	242746	242671	242671	242599	242525	242525	242525	242525	242525
1994	116328	116374	116374	116421	116374	116328	116281	116281	116141	115956	115910	115817	115724	115677	115631	115631	115585	115538	115538	115585	115585	115538	115492	115492	115585	115631	115631	115585	115585	115585	115585
1995	246474	246474	246399	245726	245427	245128	244680	244531	244383	244234	244085	244904	246251	246774	246924	247074	247074	247074	246924	246924	246924	246924	247074	247149	246999	246849	246774	246474	246474	246326	246474
1996	246474	245203	245128	244979	245054	245726	246474	246849	247224	249028	258700	262332	262954	262177	260861	259085	256779	254333	251597	248726	246326	246326	246924	246924	246999	246924	248953	250688	251294	252203	252811
1997	244904	244829	244755	244680	244979	245203	245352	246026	246251	246251	246101	245876	245652	245427	245352	245278	245054	244829	244680	244606	244531	244458	244458	244531	244531	244531	244458	243713	242969	242450	242525
1998	244904	244829	244680	244606	244680	244680	244606	244606	244680	244755	244755	244829	244904	245054	245054	245128	244979	244904	244829	244755	244606	244458	244531	244606	244680	244755	244904	244979	244979	244979	244904
1999	173672	173491	173370	173168	173127	173006	172885	172825	172583	172462	172341	172220	172160	172100	171980	171920	171860	171739	171679	171498	171198	170897	170717	170657	170597	170537	170358	170179	169999	169819	169341
2000	134438	134438	134337	134029	133772	133465	133159	132803	132497	132192	131736	131331	130927	130574	130273	130122	129971	129820	129670	129569	129469	129469	129469	129519	129519	129519	129469	129469	129469	129519	129519
2001	100461	100545	100840	100798	100713	100587	100587	100545	100503	100461	100377	100419	100419	100503	100629	100587	100545	100545	100503	100503	100629	100671	100713	100713	100671	100671	100671	100713	102240	104689	105906
2002	134695	134747	134798	134901	134953	134953	135056	135159	135159	135262	135314	135262	135159	135159	135211	135778	136555	136815	136867	137178	137282	137282	137334	137334	137438	137491	137647	137699	138013	138065	138222
2003	148945	148725	148505	148286	148067	147903	147793	147793	147629	147303	147193	147193	147139	147030	147030	147030	146921	146921	146866	146812	146866	146866	146866	146921	148012	148560	148670	148505	148550	148550	148505
2004	94123	94083	94002	93962	93922	93882	93882	93882	93801	93801	93761	93681	93601	93480	93400	93281	93201	93121	93081	93002	92962	92922	92882	92802	92762	92762	92922	93321	93681	93761	94083
2005	244660	246474	247374	247675	247825	247975	248051	248126	248350	248877	249330	249103	248651	248275	247750	247149	246474	246101	246176	246026	245726	245652	245951	245951	245801	246026	246326	245951	246026	245726	246549
2006	225878	225949	225878	225878	225878	225878	225878	225807	225878	226234	226304	226234	226234	226234	226234	226234	226234	226163	226092	226020	226020	226304	226375	226518	226589	226589	226946	227018	226875	226804	226732
2007	106827	106475	105950	105471	105035	104818	104862	105166	105384	105514	105689	105776	105906	105993	106081	106081	106081	106081	106256	106388	106607	106783	106959	107134	107266	107310	107442	107442	107398	107442	107442
2008	110785	110695	110605	110560	110470	110291	110291	110246	110246	110201	110156	110112	110246	110740	111011	111282	111507	111734	111961	112233	112416	112962	113419	113739	114363	114890	115260	115631	116048	116514	116888
2009	102069	101814	101686	101518	101390	101518	101942	102069	102112	102325	102709	103180	104386	104949	105340	105732	106125	106475	106827	107134	107398	107840	108238	108549	108816	109128	109439	109708	109887	110291	110560
2010	157675	157846	158131	158360	158704	159104	159276	159333	159219	159448	159678	159851	159909	159678	159793	159966	160484	165668	190273	208224	215003	219874	222828	224457	225379	226163	226518	226661	231182	233496	234733
2011	168329	168210	168091	167972	167913	167794	167794	167794	167913	167854	167794	167854	167972	167913	167794	167794	167972	167735	167794	167794	167676	167616	167499	167440	167380	167321	167321	167262	167203	167203	167203
2012	83698	83920	84403	84441	84441	84329	84254	84105	83957	83771	83661	83439	83328	83070	82849	82666	82592	82556	82739	82703	82629	82739	82959	83476	83734	84031	84217	84105	84068	84031	83883
2013	54358	54222	54142	54115	54034	53845	53818	54115	54249	54439	54711	54956	55258	55505	55725	56002	56224	56446	56753	56977	57230	57540	57738	57993	58221	58449	58707	58937	59138	59340	59601
2014	44804	45181	45489	45561	45513	45465	45370	45300	45181	45087	45039	45181	45276	45300	45252	45229	45229	45205	45181	45110	45110	45110	45110	45039	45158	45158	45110	44992	44921	44898	44851
Max.	**300040**	**299123**	**299290**	**299040**	**298539**	**297956**	**297789**	**304514**	**311918**	**317467**	**321960**	**325372**	**328458**	**330869**	**333029**	**334848**	**336325**	**336760**	**336934**	**337195**	**337369**	**336760**	**335369**	**333288**	**331128**	**328888**	**326228**	**322897**	**319752**	**316623**	**313258**
Min.	**8537**	**8537**	**8558**	**8600**	**8607**	**8600**	**8607**	**8607**	**8621**	**8649**	**8649**	**8649**	**8656**	**8656**	**8656**	**8663**	**8663**	**8663**	**8670**	**8670**	**8677**	**8684**	**8684**	**8670**	**8670**	**8670**	**8670**	**8670**	**8670**	**8670**	**8670**
Ave.	**144677**	**144615**	**144671**	**144634**	**145007**	**147384**	**147873**	**148011**	**148079**	**148184**	**148369**	**148452**	**148513**	**148526**	**148523**	**148525**	**148521**	**148569**	**148874**	**149174**	**149240**	**149402**	**149981**	**150319**	**150624**	**150876**	**151205**	**151403**	**151602**	**151742**	**151831**

METRO BAKERSFIELD CANALS

N
W E
S

#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
BELLEVUE WEIR
ROSEDALE CHANNEL
PIONEER INLET TO CVC
CROSS VALLEY CANAL
PIONEER EXTENSION
LAKE OHSHUH
LAKE XAHLY
TRUXTUN LAKES
THE PARK AT RIVER WALK
BERRENDA MESA PIPELINE TURNOUT
McCLUNG WEIR
RIVER CANAL
ALTERNATE 2ND POINT
Kern Water Bank Canal
2800 ACRE RECHARGE FACILITY
SECOND POINT OF MEASUREMENT
ALEJANDRO CANAL
BUENA VISTA CANAL
Interstate 5
STINE BRANCH 2
FARMERS CANAL
HIRSCHFIELD DITCH
KERN ISLAND CANAL
EASTSIDE CANAL
STINE CANAL
SEC. 15 DITCH
SEC. 23 DITCH
Highway 99
KERN ISLAND BRANCH 1
KERN ISLAND MAIN BRANCH
K.I EAST BRANCH
K. I. CENTRAL BRANCH
Highway 58
ARVIN-EDISON CANAL

- 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

BAKERSFIELD
Geographic Information Services

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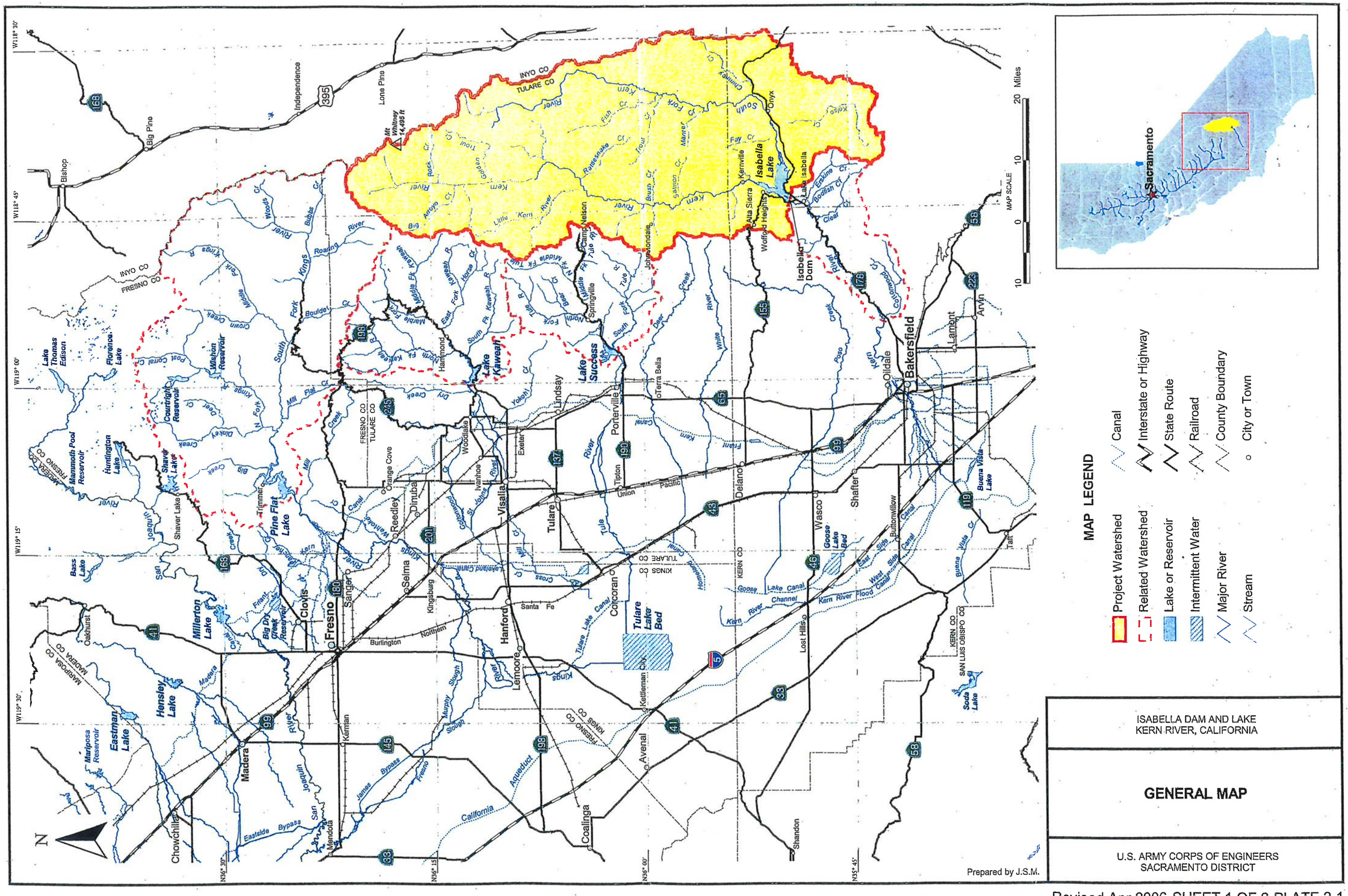

MAP LEGEND

- Project Watershed
- Related Watershed
- Lake or Reservoir
- Intermittent Water
- Major River
- Stream
- Canal
- Interstate or Highway
- State Route
- Railroad
- County Boundary
- City or Town

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

CITY OF BAKERSFIELD - WATER RESOURCES

BAKERSFIELD