

Tern River

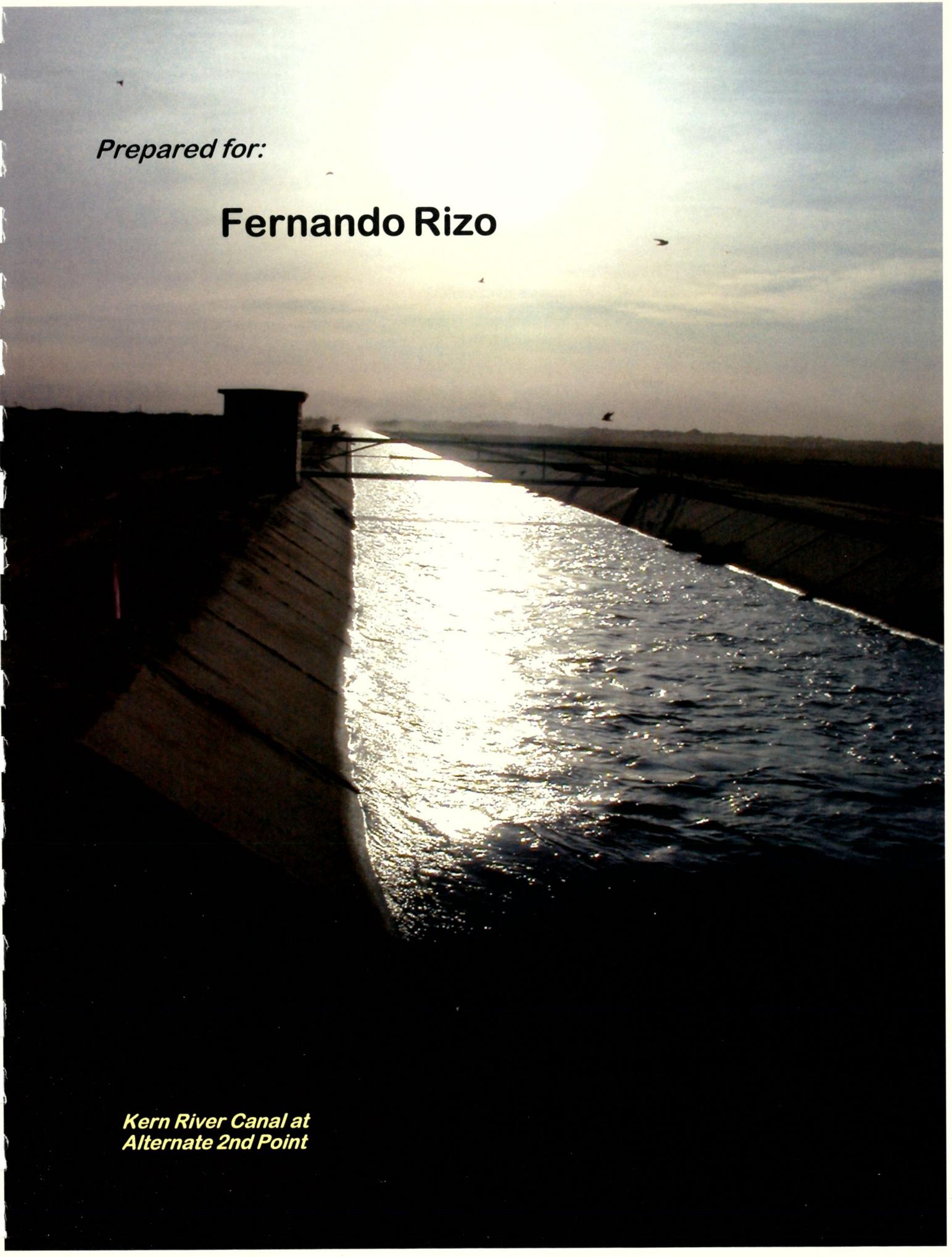
2004



Prepared for:

Fernando Rizo

*Kern River Canal at
Alternate 2nd Point*

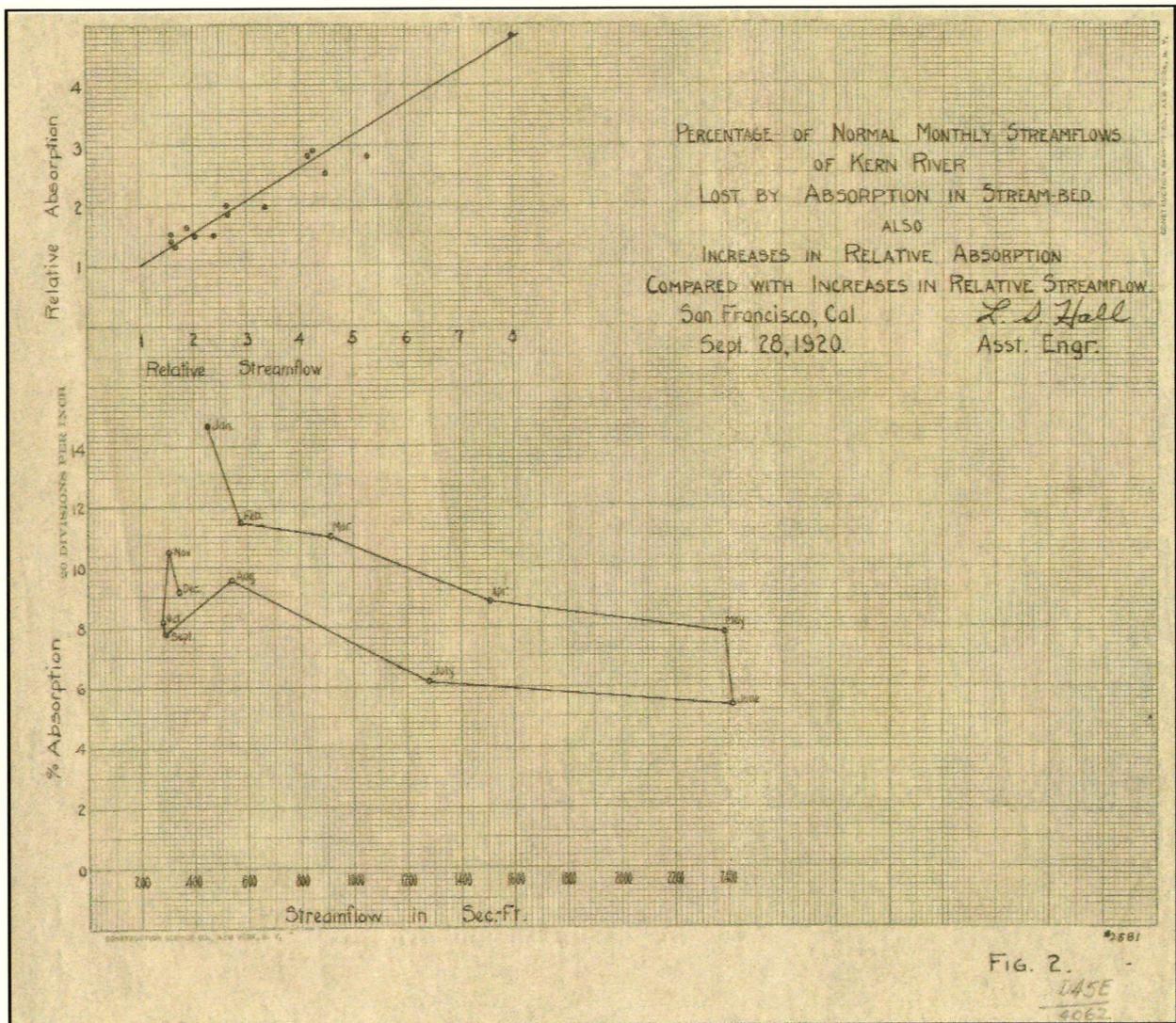


2004
HYDROGRAPHIC ANNUAL REPORT

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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-foot																	
	mean s.f.d.																	
1894	acre-foot	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	1,095	700	334	248	279	244	470		2,208	172	737	
1895	acre-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	73,523	48,904	85,085	102,883	127,733	79,464	42,046	24,216	17,201	18,976	18,881	19,999	656,911				
	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	2,921	3,000	3,732	2,545	746	424	413	365	352	--	5,983	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	588	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	49,438	40,834	58,487	112,586	150,036	178,764	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-foot	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-foot	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-foot	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-foot	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-foot	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-foot	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	510	161	116	116	145	161	182	--	2,206	97	454
1949	acre-foot	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-foot	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	1,329	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	14,989	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	99,500	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	29,582	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	23,199	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	362	--	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	9,293	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	38,266	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

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

YEAR: 2004

October 1893 to Date...

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
Mean Monthly Flow (acre-feet)	37,326	43,660	65,609	98,890	155,352	138,289	71,899	31,154	18,329	17,353	20,252	27,698	725,811
Mean Monthly Flow (second foot days)	607	779	1,067	1,662	2,527	2,324	1,169	507	308	282	340	450	1,002
Maximum Monthly Flow (acre-feet)	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 (acre-feet)	10,931	9,215	14,221	23,391	25,630	14,069	8,225	5,881	5,494	6,817	8,241	9,148	
Year of Occurrence	1991	1991	1961	1977	1977	1924	1924	1924	1924	1931	1931	1990	
Number Months of Record	111	111	111	111	111	111	111	111	111	112	112	112	
Cumulative Monthly Flow (All Months - acre-feet)	4,143,147	4,846,216	7,282,573	10,976,841	17,244,022	15,350,066	7,980,738	3,458,065	2,034,587	1,943,515	2,268,187	3,102,145	
Median Monthly Flow (acre-feet)	23,631	31,634	47,831	74,830	119,645	109,337	47,135	21,521	13,773	14,325	15,915	19,503	539,080
Median Monthly Flow (second foot days)	384	565	778	1,258	1,946	1,837	767	350	231	233	267	317	744

MEAN APRIL - JULY RUNOFF TO DATE = 464,430 AcFt
 MEDIAN APRIL - JULY RUNOFF TO DATE = 350,947 AcFt

MEAN MARCH - OCTOBER RUNOFF TO DATE = 596,875 AcFt
 MEDIAN MARCH - OCTOBER RUNOFF TO DATE = 448,397 AcFt

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

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2004

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	462	734	862	1,305	2,117	2,706	1,682	720	366	299	290	354
2	511	700	894	1,310	2,144	2,676	1,662	697	362	296	288	356
3	603	658	970	1,325	2,185	2,662	1,637	679	360	293	285	371
4	507	613	947	1,319	2,247	2,652	1,609	662	351	290	282	392
5	500	612	976	1,350	2,294	2,657	1,552	637	364	283	284	496
6	478	670	939	1,376	2,332	2,662	1,507	621	368	290	285	1,084
7	470	797	899	1,395	2,359	2,659	1,462	606	344	281	287	520
8	475	744	915	1,420	2,399	2,631	1,417	592	331	286	361	429
9	457	785	999	1,447	2,435	2,578	1,375	576	321	287	380	435
10	471	755	1,041	1,474	2,460	2,554	1,335	567	311	283	321	443
11	492	690	1,045	1,572	2,464	2,515	1,287	557	306	280	321	456
12	549	708	998	1,589	2,464	2,494	1,251	545	310	277	318	438
13	568	817	1,004	1,583	2,489	2,476	1,221	520	300	277	311	416
14	664	807	1,015	1,600	2,514	2,441	1,198	502	290	273	314	391
15	586	800	990	1,621	2,533	2,407	1,161	495	289	273	309	388
16	598	776	1,030	1,661	2,552	2,358	1,135	491	284	274	309	384
17	587	799	1,053	1,679	2,579	2,326	1,103	480	282	280	318	387
18	654	897	1,113	1,708	2,613	2,285	1,076	477	280	277	333	377
19	625	897	1,104	1,749	2,650	2,246	1,043	474	274	277	461	370
20	588	887	1,097	1,797	2,651	2,211	1,017	462	273	280	411	368
21	595	832	1,134	1,841	2,652	2,177	983	443	275	278	367	375
22	686	834	1,123	1,878	2,664	2,141	952	426	274	274	377	404
23	705	856	1,128	1,892	2,657	2,093	937	416	272	275	364	531
24	711	830	1,140	1,909	2,668	2,031	937	403	272	274	384	482
25	945	832	1,185	1,930	2,691	1,977	896	393	288	272	386	485
26	920	828	1,210	1,965	2,736	1,915	867	381	328	279	363	460
27	766	830	1,243	1,990	2,744	1,872	847	379	303	284	377	493
28	719	817	1,248	2,035	2,750	1,823	818	381	286	285	371	469
29	638	857	1,247	2,052	2,767	1,774	786	380	290	285	362	457
30	615	-	1,247	2,085	2,761	1,722	763	375	287	291	391	501
31	673	-	1,282	-	2,752	-	733	370	-	296	-	452
TOTAL	18,818	22,012	33,078	49,857	78,323	69,721	36,249	15,707	9,241	8,749	10,210	13,964
MAXIMUM DAY	945	897	1,282	2,085	2,767	2,706	1,682	720	368	299	461	1,084
MINIMUM DAY	457	612	862	1,305	2,117	1,722	733	370	272	272	282	354
MEAN	607	779	1,067	1,662	2,527	2,324	1,169	507	308	282	340	450
TOTAL AC. FT.	37,326	43,660	65,609	98,890	155,352	138,289	71,899	31,154	18,329	17,353	20,252	27,698
WHOLE YEAR:-	TOTAL,	365,929	MAX.,	2,767	MIN.,	272	MEAN,	1,002	TOTAL AC.FT.,	725,811		

Year: 2004

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

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	350	441	616	1,057	1,615	2,130	1,184	482	262	229	245	285
2	347	429	633	1,044	1,650	2,201	1,134	463	253	228	255	279
3	346	452	609	1,015	1,628	2,210	1,099	463	256	227	251	303
4	354	459	626	1,014	1,698	2,146	1,100	459	258	232	250	315
5	354	463	699	1,050	1,698	2,073	1,057	431	254	226	257	318
6	370	470	675	1,108	1,722	2,131	1,020	425	257	220	249	322
7	370	488	648	1,193	1,704	2,405	961	408	250	227	251	309
8	373	520	629	1,198	1,707	2,229	911	397	247	230	254	307
9	384	526	650	1,214	1,868	2,189	862	387	246	228	259	303
10	367	547	633	1,220	1,897	2,122	831	376	245	229	263	303
11	381	536	648	1,186	1,846	2,200	816	364	234	224	262	304
12	389	560	661	1,180	1,886	2,228	804	355	241	223	267	305
13	387	582	622	1,213	1,986	2,124	813	359	232	229	267	315
14	393	562	672	1,203	1,906	2,118	784	346	225	229	271	314
15	376	537	723	1,175	1,903	2,069	739	340	221	228	269	318
16	385	570	719	1,204	1,869	1,949	725	338	229	228	267	322
17	373	612	739	1,224	2,001	1,836	686	327	228	231	268	321
18	373	608	764	1,257	2,042	1,717	690	324	225	232	269	310
19	382	597	852	1,261	2,125	1,597	684	318	219	243	280	315
20	401	591	880	1,292	2,069	1,576	677	308	217	241	276	318
21	386	575	906	1,330	2,011	1,534	654	306	221	237	267	310
22	388	572	891	1,379	2,040	1,502	632	293	222	233	273	312
23	383	573	888	1,394	2,048	1,501	608	302	211	234	281	331
24	417	580	878	1,425	2,086	1,404	581	306	208	232	284	325
25	412	599	903	1,444	2,111	1,433	595	296	211	234	290	334
26	397	605	953	1,461	2,073	1,380	573	281	217	240	286	322
27	404	622	999	1,474	2,162	1,306	538	291	214	249	276	327
28	404	631	992	1,487	2,193	1,278	522	277	211	246	274	338
29	403	642	976	1,490	2,284	1,286	506	277	209	245	281	348
30	422	-	998	1,535	2,250	1,250	496	277	221	242	282	346
31	443	-	1,033	-	2,243	-	482	274	-	246	-	354
TOTAL	11,914	15,949	24,115	37,727	60,321	55,124	23,764	10,850	6,944	7,222	8,024	9,833
MAXIMUM DAY	443	642	1,033	1,535	2,284	2,405	1,184	482	262	249	290	354
MINIMUM DAY	346	429	609	1,014	1,615	1,250	482	274	208	220	245	279
MEAN	384	565	778	1,258	1,946	1,837	767	350	231	233	267	317
TOTAL AC. FT.	23,631	31,634	47,831	74,830	119,645	109,337	47,135	21,521	13,773	14,325	15,915	19,503
WHOLE YEAR:-	TOTAL,	271,787	MAX.,	2,405	MIN.,	208	MEAN,	744	TOTAL AC.FT.,	539,080		

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	25,019	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	10,399	10,399	12,936	26,743	367,783
1956	41,377	40,326	62,779	94,291	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	17,282	22,471	13,795	17,847	445,869
1958	19,137	28,175	42,125	78,472	131,421	181,305	187,890	143,722	61,519	49,825	25,095	18,825	967,511
1959	20,811	20,991	37,767	29,936	27,463	94,028	59,817	22,699	10,524	8,700	9,786	10,643	353,165
1960	12,516	17,405	24,044	26,386	41,481	38,991	13,154	13,803	13,803	12,798	12,798	12,798	324,088
1961	11,290	10,736	14,017	16,780	16,780	19,321	25,222	21,316	13,404	7,267	9,281	12,121	177,063
1962	13,121	27,435	44,638	95,445	87,187	112,437	113,318	40,778	26,164	22,623	12,448	12,054	607,848
1963	12,067	24,175	32,959	38,914	54,756	80,063	127,710	118,179	68,368	64,828	31,174	23,044	676,237
1964	20,356	21,152	28,532	27,485	28,451	76,268	71,078	31,323	10,989	8,852	14,259	22,879	361,624
1965	35,784	35,907	41,383	39,399	61,313	85,934	96,236	75,497	52,397	47,220	34,356	28,877	634,303
1966	29,978	22,752	50,933	44,634	37,289	67,466	68,338	51,110	14,739	19,535	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	35,462	1,465,855
1968	33,088	36,284	44,904	45,035	52,156	88,046	82,937	56,584	13,656	13,886	16,365	14,085	497,026
1969	50,499	106,247	237,265	378,817	332,015	374,787	263,903	221,738	121,359	102,494	90,523	34,122	2,313,769
1970	42,289	32,206	52,469	60,101	53,698	86,904	94,112	88,421	35,667	18,228	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	26,901	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	198,597	146,660	73,234	93,098	70,927	30,458	1,390,675
1979	32,549	31,793	45,903	62,557	109,987	126,343	107,605	32,267	22,792	18,855	18,855	18,909	666,068
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	40,594	41,768	46,348	78,405	80,906	51,310	51,310	14,315	14,324	18,426	21,578	460,469
1982	30,363	43,374	49,110	57,060	86,489	155,508	166,462	156,341	88,411	104,122	101,403	62,435	1,121,068
1983	57,566	71,165	152,862	286,605	370,706	419,760	387,500	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	43,180	47,726	47,726	834,036
1985	40,133	48,686	53,821	56,358	72,506	77,728	111,385	77,728	34,973	25,305	20,333	28,986	688,971
1986	39,039	95,946	172,221	205,204	233,197	193,767	141,114	67,569	82,792	45,227	24,208	24,208	1,331,561
1987	24,177	28,919	43,408	44,894	43,609	68,424	73,047	42,545	15,589	15,824	14,269	14,664	432,309
1988	20,793	26,906	35,036	33,769	31,815	50,995	60,458	28,346	9,025	10,318	10,318	14,463	335,473
1989	16,869	21,568	32,092	38,575	55,765	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	7,789	10,195	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	988,036
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	120,789	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	64,411	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	20,340	26,533	12,260	16,203	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	41,962	83,336	78,152	37,192	37,192	12,785	29,364	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
MAXIMUM	146,180	142,831	237,265	378,817	370,706	419,760	387,500	240,154	153,814	117,233	101,403	90,549	2,381,575
MINIMUM	10,627	9,112	14,017	16,318	16,780	19,321	25,222	21,316	6,885	7,267	8,037	8,925	177,063
AcFT TOTAL	1,522,823	1,837,512	2,680,231	3,362,622	4,268,804	5,710,891	5,596,968	4,245,113	2,180,543	1,752,008	1,423,806	1,296,188	35,877,309
AcFT AVERAGE	29,859	36,030	52,554	65,934	83,702	111,978	109,744	83,238	42,756	34,353	27,914	25,415	703,477
S.F.D. AVERAGE	486	643	855	1,108	1,361	1,882	1,785	1,354	469	559	469	413	970
% OF TOTAL	4.25%	5.12%	7.47%	9.37%	11.90%	15.92%	15.60%	11.83%	6.08%	4.88%	3.97%	3.61%	100.00%

Year: 2004

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

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	461	532	793	951	1,257	1,542	1,904	1,551	911	650	465	434
2	471	547	784	973	1,273	1,589	1,859	1,527	891	659	457	407
3	457	565	789	978	1,271	1,640	1,858	1,532	875	645	456	394
4	451	569	803	976	1,299	1,695	1,824	1,525	862	634	461	399
5	452	567	802	984	1,299	1,733	1,848	1,537	833	628	464	410
6	452	579	799	980	1,300	1,757	1,868	1,547	807	650	469	485
7	456	579	807	1,000	1,293	1,793	1,880	1,525	785	622	464	415
8	454	582	806	1,032	1,320	1,816	1,897	1,505	768	609	467	404
9	446	675	804	1,063	1,329	1,840	1,897	1,521	749	611	473	402
10	437	653	828	1,083	1,329	1,853	1,877	1,524	737	600	475	398
11	434	616	855	1,096	1,312	1,865	1,854	1,520	727	580	487	395
12	438	613	829	1,107	1,324	1,882	1,848	1,492	712	548	485	400
13	446	628	838	1,111	1,327	1,900	1,835	1,466	703	547	489	395
14	452	648	830	1,119	1,323	1,923	1,846	1,440	701	545	473	391
15	454	640	848	1,135	1,307	1,928	1,850	1,428	694	537	471	397
16	477	631	854	1,137	1,313	1,952	1,837	1,419	693	527	475	392
17	477	629	861	1,139	1,314	2,005	1,804	1,393	690	513	479	398
18	487	639	851	1,139	1,332	2,018	1,767	1,402	673	521	471	416
19	495	653	851	1,152	1,354	2,016	1,752	1,368	660	525	473	414
20	491	693	868	1,145	1,393	1,988	1,719	1,332	651	530	476	410
21	491	690	887	1,144	1,413	2,004	1,753	1,299	647	532	478	410
22	491	703	892	1,150	1,424	2,019	1,740	1,249	651	525	470	411
23	499	737	899	1,166	1,432	2,003	1,733	1,224	653	524	459	407
24	535	731	905	1,184	1,435	2,019	1,709	1,200	650	522	445	414
25	557	715	906	1,191	1,432	2,006	1,687	1,168	646	525	460	414
26	579	719	910	1,202	1,422	1,982	1,682	1,128	641	519	468	414
27	564	728	917	1,218	1,429	1,923	1,673	1,101	639	510	467	429
28	543	743	919	1,215	1,436	1,909	1,656	1,070	635	503	470	435
29	529	645	903	1,225	1,461	1,936	1,643	1,030	645	504	463	433
30	535	-	923	1,247	1,500	1,920	1,632	991	627	497	464	439
31	543	-	935	-	1,547	-	1,597	952	-	477	-	451
TOTAL	15,054	18,165	26,496	33,242	42,200	56,456	55,329	41,966	21,556	17,319	14,074	12,813
MAXIMUM INSTANT.	3,331	8,280	5,691	7,394	6,675	7,576	7,327	4,694	3,126	7,000	2,275	9,289
MINIMUM INSTANT.	102	67	143	86	223	215	349	84	64	40	66	22
MEAN	486	643	855	1,108	1,361	1,882	1,785	1,354	719	559	469	413
TOTAL AC. FT.	29,859	36,030	52,554	65,934	83,702	111,978	109,744	83,238	42,756	34,353	27,914	25,415
WHOLE YEAR:-	TOTAL,	354,670	MAX.,	9,289	MIN.,	22	MEAN,	970	TOTAL AC.FT.,	703,477		

**ACCRETIONS TO KERN RIVER BELOW ISABELLA DAM
APRIL 1954 TO DATE**

Year: 2004

Quantities in acre-feet except where noted...

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1954				4,038	2,977	1,479	3,897	2,559	514	626	966	1,870	19,331
1955	2,358	1,921	1,821	2,866	1,390	3,298	1,929	402	3,114	551	1,065	2,524	31,774
1956	5,828	1,732	2,448	2,860	2,366	1,406	2,347	3,061	1,119	5,799	1,356	1,452	31,774
1957	2,114	886	1,097	169	1,251	397	918	1,114	(369)	48	743	1,057	9,425
1958	1,494	2,918	6,644	14,550	4,681	(801)	(4,348)	5,125	1,735	(880)	438	1,289	34,677
1959	1,299	1,068	1,544	1,073	540	(936)	3,318	1,119	(383)	(880)	438	797	7,997
1960	1,071	2,739	1,633	1,581	92	1,601	1,311	1,559	149	502	1,060	1,099	14,397
1961	815	757	914	971	787	126	264	814	734	257	673	1,196	8,308
1962	1,085	6,284	5,125	7,050	4,778	2,709	2,271	1,753	633	1,041	835	816	34,380
1963	1,005	2,190	1,900	3,826	1,339	2,855	2,855	4,520	2,424	2,710	2,045	1,936	28,577
1964	1,692	472	2,378	3,237	1,275	2,408	1,793	577	346	432	926	2,729	18,265
1965	3,172	1,460	2,608	4,776	811	(367)	151	(2,100)	(46)	1,941	1,036	2,285	15,727
1966	2,286	997	1,303	2,095	803	(63)	1,229	1,932	(58)	1,214	1,036	1,740	28,288
1967	3,856	3,320	3,094	3,945	1,998	7,531	5,736	10,549	1,517	1,296	2,619	2,688	48,149
1968	1,870	1,300	1,400	1,224	1,383	1,757	2,220	1,993	418	936	1,687	2,428	18,616
1969	19,079	17,945	23,687	40,391	20,384	11,064	18,659	17,163	5,750	2,480	2,457	3,381	182,440
1970	4,742	2,450	3,028	1,168	186	2,916	869	1,434	739	655	2,794	1,814	22,795
1971	2,309	1,547	1,202	1,459	2,154	1,500	808	707	211	156	785	1,833	14,671
1972	1,634	1,204	975	1,003	501	844	180	42	16	777	222	1,075	8,473
1973	3,146	4,182	7,686	7,394	6,123	3,811	1,882	3,879	4,168	1,982	1,890	2,699	48,842
1974	4,393	2,003	5,145	6,054	1,704	1,011	817	2,357	3,055	2,717	2,303	2,894	34,453
1975	704	1,299	2,925	2,641	4,023	2,265	1,565	55	699	497	189	746	17,608
1976	1,646	1,503	1,373	1,562	386	1,675	833	821	1,914	1,679	1,172	1,120	15,684
1977	1,174	1,652	1,844	954	1,124	1,087	622	1,001	683	184	260	2,130	12,715
1978	4,577	26,353	12,041	11,512	11,745	4,945	7,597	736	2,682	1,438	2,039	1,656	87,321
1979	3,158	3,158	7,178	494	(415)	234	9,802	234	516	1,428	476	1,544	18,882
1980	6,814	9,429	8,860	7,525	3,543	7,595	9,802	8,239	(86)	2	(58)	1,426	63,091
1981	2,861	1,313	2,041	1,858	1,129	140	148	1,786	958	764	459	1,798	15,255
1982	3,805	3,501	7,352	10,277	1,973	3,885	5,471	3,876	1,128	1,256	1,897	4,141	48,562
1983	6,887	17,322	37,912	24,107	12,710	4,711	3,097	2,414	7,454	6,473	5,718	9,390	138,195
1984	7,549	5,329	5,418	3,381	2,701	2,213	4,495	3,970	1,434	328	1,460	3,897	42,175
1985	3,759	3,640	3,865	2,714	(625)	(593)	2,697	517	279	1,497	2,264	3,501	23,515
1986	3,734	6,350	8,619	9,540	9,416	13,375	13,999	11,019	2,280	2,850	2,957	2,192	86,331
1987	3,123	2,239	3,822	738	2,535	1,611	1,486	1,149	696	901	418	669	19,387
1988	713	764	1,228	(51)	(15)	495	(485)	100	534	415	1,042	870	5,610
1989	551	962	3,415	1,188	2,049	1,464	(716)	671	(3)	376	150	973	11,080
1990	1,471	1,278	1,669	42	298	59	(1,580)	228	170	571	763	1,300	6,269
1991	1,351	663	3,099	2,983	849	(236)	376	662	(66)	(26)	1,205	1,429	12,309
1992	1,384	2,297	1,800	1,196	(294)	(288)	16	267	352	(222)	(439)	1,183	7,258
1993	3,131	3,757	4,177	2,110	(1,854)	(1,528)	(638)	(1,789)	366	903	308	1,019	9,962
1994	604	1,351	446	226	(1,152)	(367)	258	746	(89)	208	537	1,435	4,203
1995	4,978	2,805	10,025	5,664	10,025	11,210	10,055	11,347	1,360	2,463	1,784	3,132	74,868
1996	3,627	10,773	8,346	4,362	7,908	3,906	2,628	2,405	531	716	1,360	5,573	52,135
1997	14,168	9,981	7,447	911	2,616	4,619	809	12,476	2,448	(1,509)	(1,397)	4,441	42,876
1998	5,482	34,907	24,539	25,855	30,900	25,533	16,059	12,476	4,730	155	155	3,425	183,940
1999	3,772	4,820	3,236	3,148	1,092	1,033	1,516	2,094	624	1,088	122	680	23,235
2000	1,637	3,112	3,640	517	(888)	(562)	543	1,896	(3)	795	803	801	12,491
2001	1,144	1,377	1,200	(807)	(807)	1,613	821	(385)	(428)	(428)	437	1,202	7,664
2002	2,359	1,163	1,307	514	(1,096)	(1,111)	1,145	757	(251)	(17)	2,010	1,860	9,640
2003	2,517	1,847	1,571	1,679	210	229	990	932	(260)	514	579	991	11,799
2004	1,185	1,411	1,513	71	(1,520)	(263)	224	(506)	490	288	50	804	3,747
Total	163,679	223,751	255,692	240,390	160,909	133,239	132,524	126,254	53,563	50,773	57,534	118,010	1,716,318
Maximum	19,079	34,907	37,912	40,391	30,900	25,533	18,659	17,163	7,454	6,473	5,718	14,810	183,940
Minimum	551	472	446	(51)	(1,854)	(1,528)	(4,348)	(2,100)	(385)	(1,509)	(1,397)	669	669
Mean	3,274	4,475	5,114	4,714	3,155	2,613	2,599	2,476	1,050	996	1,128	2,314	33,905
Mean CFS	53	80	83	79	51	44	42	40	18	16	19	38	47

MIDNIGHT STORAGE IN ACRE-FEET

Isabella Reservoir Daily Mean Storage (1954-2004)

Year: 2004

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	152,355	163,840	174,271	187,890	216,037	282,801	298,907	254,768	200,473	174,536	155,396	147,573
2	152,595	164,228	174,664	188,679	217,614	284,919	298,265	253,056	199,334	173,732	154,995	147,465
3	153,261	164,345	174,989	189,386	219,205	286,910	297,564	251,249	198,207	172,773	154,599	147,514
4	153,569	164,422	175,432	190,041	220,893	288,699	296,867	249,411	197,119	172,204	154,192	147,473
5	153,815	164,520	175,993	190,656	222,552	290,420	296,008	247,501	196,169	171,440	153,758	147,925
6	153,961	164,649	176,340	191,294	224,308	292,026	295,067	245,528	195,276	170,648	153,348	150,772
7	154,096	164,823	176,604	191,899	226,037	293,607	294,023	243,587	194,347	169,909	152,934	151,348
8	154,234	165,117	176,928	192,447	227,771	295,014	292,845	241,709	193,413	169,162	152,862	151,502
9	154,333	165,576	177,217	193,050	229,611	296,260	291,604	239,718	192,479	168,417	152,850	151,575
10	154,452	166,012	177,595	193,662	231,591	297,410	290,329	237,721	191,537	167,680	152,574	151,676
11	154,640	166,246	178,066	194,594	233,549	298,395	288,993	235,761	190,623	166,985	152,265	151,870
12	155,091	166,449	178,428	195,561	235,474	299,284	287,577	233,817	189,765	166,367	151,903	151,958
13	155,671	166,943	178,716	196,476	237,467	299,971	286,159	231,856	188,878	165,724	151,556	152,002
14	156,251	167,422	179,052	197,353	239,451	300,618	284,721	229,930	187,972	165,090	151,221	152,009
15	156,582	167,874	179,320	198,235	241,522	301,135	283,181	228,001	187,070	164,470	150,896	152,002
16	157,061	168,300	179,625	199,087	243,661	301,557	281,654	226,120	186,161	163,887	150,542	151,998
17	157,457	168,708	179,987	199,988	245,842	301,825	280,113	224,231	185,272	163,351	150,240	151,977
18	157,667	169,565	180,312	200,893	248,120	301,961	278,611	222,324	184,411	162,786	150,006	151,933
19	157,997	170,305	180,662	201,805	250,554	302,129	277,063	220,504	183,566	162,218	149,731	151,789
20	158,291	171,079	180,987	202,791	252,997	302,302	275,463	218,727	182,734	161,670	149,434	151,784
21	158,602	171,575	181,405	203,838	255,420	302,361	273,776	216,951	181,933	161,063	149,184	151,722
22	158,887	172,007	181,875	204,929	257,917	302,332	272,124	215,263	181,112	160,482	149,025	151,787
23	159,153	172,439	182,353	205,983	260,434	302,244	270,441	213,579	180,283	159,908	148,827	152,387
24	159,572	172,762	182,864	206,999	262,930	301,994	268,768	211,939	179,478	159,348	148,685	152,729
25	160,811	173,140	183,378	208,048	265,358	301,690	267,058	210,318	178,737	158,762	148,598	153,046
26	161,614	173,619	183,899	209,116	267,856	301,366	265,298	208,752	178,170	158,218	148,402	153,301
27	162,096	173,710	184,493	210,294	270,373	301,072	263,560	207,218	177,501	157,727	148,146	153,652
28	162,402	173,937	185,155	211,590	272,906	300,697	261,804	205,752	176,754	157,230	147,923	153,880
29	162,600	-	185,760	212,972	275,492	300,166	260,014	204,336	176,015	156,933	147,739	154,019
30	162,748	-	186,368	214,469	277,959	299,566	258,237	202,985	175,285	156,286	147,691	154,128
31	163,166	-	187,112	-	280,432	-	256,463	201,685	-	155,875	-	154,181
MAXIMUM DAY	163,166	173,937	187,112	214,469	280,432	302,361	298,907	254,768	200,473	174,536	155,396	154,181
MINIMUM DAY	152,355	163,840	174,271	187,890	216,037	282,801	256,463	201,685	175,285	155,875	147,691	147,465

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	19.59	17.8	31.7	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	58.9	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	17.2	17.6	32.3	45.4	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	1627.6
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
MEAN	16.8	20.2	30.8	38.6	43.6	62.6	91.0	151.2	136.1	72.0	32.5	19.7	715.2

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	1.03	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	1.43	0.00	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	0.00	0.02	1.20	0.00	5.60
1961-62	0.00	0.00	0.79	2.55	5.35	0.00	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	0.00	0.00	0.00	0.00	10.91
1963-64	2.02	1.20	0.46	0.97	0.07	1.93	0.84	0.10	0.03	0.39	0.50	0.20	7.63
1964-65	0.47	1.82	3.99	1.75	0.27	1.21	2.58	0.18	0.13	0.39	0.80	0.00	13.49
1965-66	0.00	2.76	2.37	0.66	0.75	0.22	0.00	0.00	0.00	0.01	0.00	0.00	7.56
1966-67	0.00	1.09	11.53	2.49	0.02	0.63	2.75	0.18	0.00	0.01	0.23	1.63	21.09
1968-69	0.35	1.28	1.85	0.82	0.85	1.55	0.77	0.01	0.00	0.01	0.11	0.00	7.38
1969-70	0.07	0.56	2.24	3.91	6.12	1.14	0.95	0.35	0.34	0.30	0.23	0.00	22.11
1970-71	0.04	3.47	2.20	0.54	0.37	1.89	0.43	0.00	0.00	0.02	0.01	0.00	7.67
1971-72	0.05	0.04	3.04	0.00	0.39	0.45	0.66	0.89	0.00	0.06	0.54	0.00	9.22
1972-73	0.66	3.13	2.48	3.96	2.57	2.65	0.37	0.05	0.00	0.00	0.34	0.03	5.54
1973-74	0.11	1.26	1.25	2.75	0.09	2.00	1.95	0.25	0.00	0.00	0.00	0.00	15.95
1974-75	2.30	0.10	1.96	0.65	1.82	2.77	0.49	0.04	0.00	0.78	0.00	0.00	10.58
1975-76	0.41	0.22	0.07	0.02	1.25	1.61	0.89	0.05	0.00	0.00	0.03	1.85	12.01
1976-77	0.23	0.07	5.02	1.50	1.04	0.75	0.00	0.91	0.39	0.41	0.00	0.00	10.13
1977-78	0.02	0.17	1.11	4.51	7.44	3.46	0.87	0.00	0.00	0.00	0.87	0.00	6.08
1978-79	0.02	0.39	1.11	3.24	3.22	2.54	0.00	0.19	0.00	0.03	0.00	1.33	22.85
1979-80	0.95	0.33	0.34	7.71	4.32	1.85	0.51	0.00	0.00	0.00	0.14	0.93	11.81
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	16.56
1981-82	1.05	1.17	1.16	4.04	1.15	4.27	1.59	0.01	0.04	0.00	0.00	0.00	8.53
1982-83	0.78	3.14	3.78	4.31	4.36	5.56	0.58	0.09	0.00	0.00	0.13	0.71	15.32
1983-84	0.63	3.49	3.56	0.00	0.00	1.13	0.31	0.00	0.02	0.00	0.63	0.00	24.34
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	12.29
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	10.60	2.87	0.52	1.74	0.00	0.08	0.00	1.02	12.46
1997-98	0.40	1.76	1.74	2.72	0.51	0.57	1.65	0.98	0.09	0.00	0.00	0.09	22.53
1998-99	0.12	1.03	0.60	3.82	0.51	0.79	0.86	0.10	0.00	0.04	0.00	0.39	9.71
1999-00	0.00	0.18	0.00	1.55	3.98	0.79	1.56	0.10	0.00	0.00	0.07	0.00	7.23
2000-01	0.51	0.14	0.23	2.28	3.16	1.09	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	0.00	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
AVERAGE	0.32	1.27	1.82	2.38	2.17	1.64	0.70	0.25	0.08	0.12	0.17	0.33	11.26
MAXIMUM	2.30	5.76	11.53	9.56	10.60	6.43	2.77	1.74	0.80	2.01	1.20	5.20	24.34
DAILY MAXIMUM	0.96	2.85	5.20	2.40	3.40	1.72	1.45	0.75	0.50	0.88	1.01	3.09	
DATE OF OCCURRENCE	10/17/83	11/20/50	12/05/66	01/16/96	02/01/60	03/04/91	04/02/74	05/26/99	06/08/72	07/16/84	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	52.0	52.0	62.8	68.8	77.3	81.9	78.4	75.3	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	48.1	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	45.6	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	72.4	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	44.3	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	47.4	55.4	74.0	77.6	77.2	77.1	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	41.7	48.5	47.7	49.9	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	67.3	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	73.2	68.5	59.0	52.9	47.1	60.9
1982	41.8	47.8	47.4	52.5	63.6	68.6	75.6	77.1	74.0	59.2	48.6	46.1	57.8
1983	45.2	47.2	48.5	49.9	61.4	69.2	73.0	75.7	74.6	61.3	50.2	46.1	58.5
1984	47.0	46.6	51.4	49.9	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	69.6	58.6	51.8	44.2	59.2
1990	42.5	42.6	50.7	57.9	61.7	71.9	80.1	77.8	77.2	67.6	49.4	37.4	58.5
1991	42.7	50.8	43.6	51.2	56.7	71.0	82.1	74.9	74.5	64.8	51.3	45.2	59.9
1992	43.4	49.2	52.4	62.5	71.7	73.3	79.1	81.3	72.5	62.7	50.9	42.0	59.9
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	62.5	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	63.2	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
Normal	44.5	47.2	50.7	55.6	63.6	72.9	79.4	78.2	72.2	62.1	51.2	44.6	60.2
Maximum	52.0	56.1	59.1	64.1	73.0	79.8	86.8	85.5	77.7	68.9	60.8	50.8	63.5
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	16.93	13.27	8.88	101.78
1976-77	6.17	4.47	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	2.29	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	2.88	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	5.83	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	10.42	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	3.19	3.07	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	7.81	8.11	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
MEAN	6.35	3.36	2.21	2.20	2.73	4.76	7.12	10.46	13.23	14.84	13.40	9.80	90.46

ISABELLA RESERVOIR EVAPORATION

April 1954 to Date

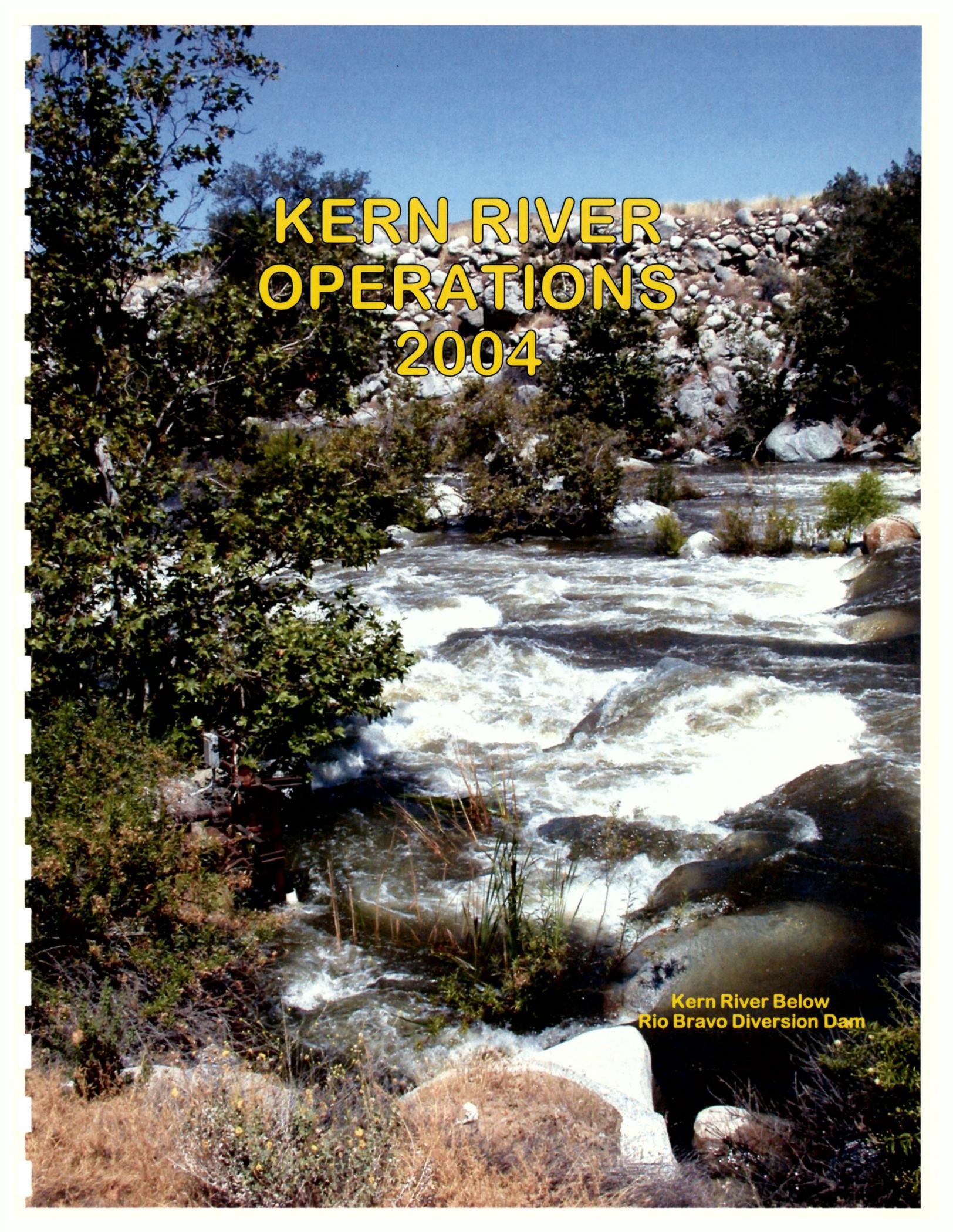
Year: 2004

Quantities in acre-feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1954				181	1,662	2,554	2,599	1,563	833	436	192	109	10,129
1955	72	117	236	141	526	1,547	1,705	1,375	847	542	256	190	7,556
1956	407	788	1,444	1,797	3,330	5,496	5,484	4,183	4,183	2,056	1,650	897	33,616
1957	628	724	1,258	1,823	2,210	4,588	5,173	4,512	3,068	1,107	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	5,534	8,202	6,696	4,136	2,289	2,289	1,172	962	37,218
1964	916	1,105	1,418	2,162	3,221	4,594	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	8,051	8,051	4,574	3,578	1,597	744	42,855
1968	801	930	1,380	2,511	4,243	5,574	5,258	4,048	3,239	1,954	991	476	31,405
1969	494	668	1,511	1,886	4,334	6,486	8,916	9,046	5,911	3,560	1,968	980	45,760
1970	885	1,289	1,935	2,593	4,954	6,959	6,375	4,937	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	8,904	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	621	621	1,597	2,698	5,891	9,253	10,969	9,945	6,020	5,115	2,049	996	55,497
1979	1,069	954	1,896	3,701	6,337	9,080	9,535	7,242	5,710	3,306	1,866	1,246	51,942
1980	1,047	1,375	2,229	3,715	4,943	8,289	10,374	10,171	6,637	4,544	2,446	1,565	57,335
1981	1,154	1,317	1,619	3,386	5,371	8,644	8,660	6,966	5,028	2,582	1,747	1,067	47,541
1982	827	1,093	1,333	3,172	6,563	8,180	10,967	9,418	5,732	4,086	1,769	1,053	54,193
1983	1,097	1,057	2,182	3,235	5,905	9,255	10,645	7,630	7,337	3,814	1,656	1,188	55,001
1984	1,624	1,547	2,545	3,894	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	10,933	10,276	6,361	4,441	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	2,961	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	2,868	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	4,247	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	10,681	10,681	6,587	6,587	4,019	2,053	1,139	61,423
1997	1,862	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	918	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	6,327	4,320	2,499	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	3,398	2,081	1,488	813	32,055
2003	1,018	833	1,714	1,932	3,848	6,026	6,026	4,911	3,316	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
Average	809	906	1,582	2,469	4,254	6,175	6,990	5,946	4,155	2,682	1,401	880	38,248

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	December 7	225,535
1970	327,771	June 10	156,517	January 12	172,038
1971	240,996	June 22	120,161	November 24	122,040
1972	126,754	June 11	50,030	November 25	55,589
1973	399,448	June 29	55,449	October 16	205,948
1974	475,881	June 23	201,710	January 7	223,930
1975	348,695	June 17	169,893	March 1	170,190
1976	171,617	January 26	67,668	December 17	67,701
1977	82,347	June 16	34,504	December 29	43,820
1978	491,451	July 16	44,060	December 16	244,904
1979	442,035	June 11	208,632	January 1	208,768
1980	585,381	June 11	208,632	December 30	229,813
1981	312,456	July 3	208,224	January 7	168,210
1982	580,083	June 7	166,907	December 27	261,558
1983	630,825	June 29	168,984	January 1	311,944
1984	407,745	July 6	260,010	January 9	244,979
1985	388,621	June 7	244,755	December 15	195,516
1986	562,134	June 13	189,823	November 23	244,085
1987	276,266	June 16	195,579	January 1	143,410
1988	188,189	June 7	142,661	December 1	73,545
1989	184,801	June 6	72,638	December 9	85,978
1990	97,420	June 1	71,111	February 18	46,014
1991	175,558	June 12	45,895	December 18	89,654
1992	153,942	June 5	82,080	February 27	82,262
1993	416,982	June 29	82,189	December 28	242,525
1994	262,332	June 6	115,492	January 1	115,585
1995	551,921	June 6	115,492	January 3	246,474
1996	546,849	July 19	242,450	December 4	252,811
1997	491,994	June 11	244,979	December 30	244,904
1998	562,474	June 6	242,005	January 31	169,341
1999	334,267	July 24	169,341	December 31	129,519
2000	293,234	June 8	129,469	December 29	105,906
2001	244,904	June 3	98,787	November 22	138,222
2002	184,173	June 15	82,043	November 6	148,505
2003	312,710	June 19	138,326	January 1	94,083
2004	227,948	May 30	92,762	December 26	



KERN RIVER OPERATIONS 2004

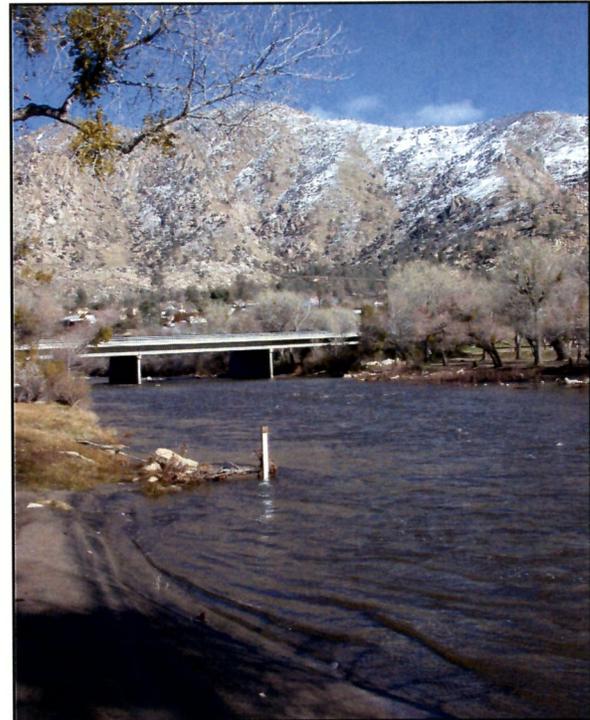
Kern River Below
Rio Bravo Diversion Dam

KERN RIVER IN REVIEW 2004

Introduction

The 2003-04 November through April rainy season was punctuated by two major storm episodes, December 23, 2003 through January 1, 2004 and February 25-28, 2004, that when combined, contributed to nearly two-thirds of the Kern River Basin total seasonal precipitation. The build up of snow pack in the Kern River watershed was hindered by extended periods of dryness between storms, a reflection of the persistent blocking high pressure over California during the 2004 winter that shunted storms to the north. Record breaking warm temperatures throughout March and April of 2004 led to an early snow melt, and dealt the southern Sierra Nevada mountain region less than 20% of normal expected spring precipitation. Maximum snow pack accumulation for 2004 occurred on March 3rd, nearly one month ahead of the average date of peak accumulation and one of the earliest dates for Kern River Basin peak snow pack to occur over the past fifty years.

Kern River 2004 April-July runoff equaled 222,002 acre-feet, 48% of the long-term (1894-2004) First Point average. During the current six-year dry spell that began in 1999, only the 2002 spring snow melt runoff (215,307 acre-feet) ended with less than the 2004 April-July yield.



Kern River North Fork at Kernville

Precipitation

Monthly precipitation amounts in inches as recorded at selected Kern County stations during the 2003-2004 Water Year were as follows:

	Bakersfield Meadows Field (Elev. 494 ft.)			Isabella Dam (Elev. 2660 ft.)			Glennville (Elev. 3140 ft.)		
	<u>03-04</u>	<u>Ave.</u>	<u>% of Ave.</u>	<u>03-04</u>	<u>Ave.</u>	<u>% of Ave.</u>	<u>03-04</u>	<u>Ave.</u>	<u>% of Ave.</u>
	Oct	0.20	0.30	67%	0.18	0.32	56%	0.23	0.75
Nov	0.32	0.59	54%	0.71	1.27	56%	1.42	1.85	77%
Dec	1.28	0.76	168%	2.04	1.82	112%	4.17	2.96	166%
Jan	0.56	1.18	47%	1.09	2.38	46%	2.07	3.32	62%
Feb	1.63	1.21	135%	3.04	2.17	140%	4.86	2.99	163%
Mar	0.53	1.41	38%	0.46	1.64	28%	0.80	3.05	26%
Apr	0.02	0.45	4%	0.05	0.70	7%	0.19	2.06	9%
May	0.00	0.24	0%	0.00	0.25	0%	0.00	0.75	0%
Jun	0.00	0.12	0%	0.00	0.08	0%	0.00	0.18	0%
Jul	0.00	0.00	0%	0.00	0.12	0%	0.00	0.04	0%
Aug	0.00	0.08	0%	0.00	0.17	0%	0.00	0.10	0%
Sep	0.00	0.15	0%	0.00	0.33	0%	0.00	0.37	0%
TOTAL	4.54	6.49	70%	7.57	11.26	67%	13.74	18.42	75%



2800 Acre Water Bank

The first rainfall in the Kern River watershed for the 2004 water year occurred on October 31, 2003, with .18" recorded at Isabella Dam headquarters. The single greatest 24-hour rainfall during the 2003-04 winter season occurred on December 25, 2003 with .92" measured at Lake Isabella and 1.46" at Glennville Fire Station. Although the total number of 2003-04 winter storms were near typical, the cold nature and short duration of most storms resulted in minimal precipitation amounts being deposited over the Kern River drainage area. December 2003 and February 2004 were the only winter months to receive above average precipitation, while the period of March through May was the driest experienced since 1997, and the fourth driest March-May period to occur since 1950.

Temperature

Isabella, California, 2004 mean air temperatures (°F) with comparative averages were as follows:

	2004 Actual	Normal	Variance from Norm		2004 Actual	Normal	Variance from Norm
Jan	44.9	44.5	+0.4	Jul	81.9	79.4	+2.5
Feb	45.3	47.2	-1.9	Aug	80.6	78.2	+2.4
Mar	59.1	50.7	+8.4	Sep	72.8	72.2	+0.6
Apr	60.1	55.6	+4.5	Oct	60.0	62.1	-2.1
May	66.7	63.6	+3.1	Nov	49.8	51.2	-1.4
Jun	75.7	72.9	+2.8	Dec	46.7	44.6	+2.1

The mean annual temperature as recorded at Isabella Dam for 2004 was 62.0° Fahrenheit, 1.8° above the long-term (1956 to 2004) normal. Temperature extremes reached 106° on August 11, 2004 with the low of 22° occurring on November 30, 2004. During March 2004, daytime temperatures soared above 80° by the second week of the month, resulting in snow melt at the lower elevations of the Kern River watershed and contributing toward an all-time record high mean air temperature for March 2004 of 59.1°, 8.4° above normal.

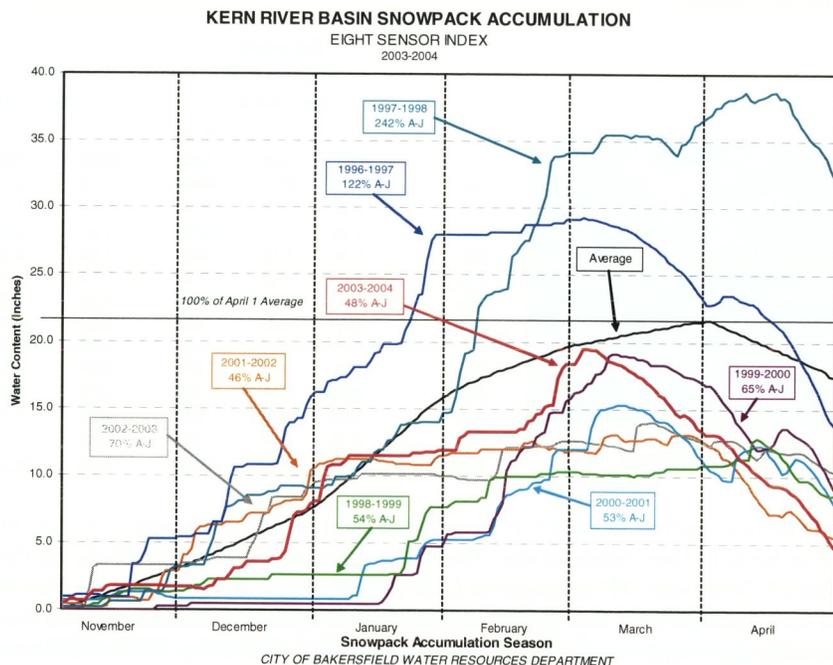
Snowpack

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, 2004, 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, 2004	19.4	12.4	15.7	23.3	0.0	3.8	12.5	0.0
April 1, Average	27.7	19.8	21.8	24.9	30.3	15.6	20.7	11.0

The Kern River Basin snowpack accumulation for 2003-2004 is detailed in the chart below. During November 2003, an above average number of six storm periods were logged, producing below average precipitation. This anomaly was the result of the short duration of most November storms. Beginning December 23, 2003, a spectacular demonstration of rain and snow was brought upon the Kern River Basin, resulting in above average snow water content levels as of the first of the new year. With the exception of storminess on the 1st, January 2004 was characterized by storms which followed a more northerly track from the eastern Pacific Ocean to the U.S. mainland.

With few exceptions, the jet stream remained north of California during the 2003-2004 winter months. During the storm period of February 25-28, 2004, more than four feet of new snow was recorded at the higher elevations of the Kern River. Record warmth in the southern Sierra Nevada mountains during most of March and April of 2004 wreaked havoc on the winter snowpack accumulation process, sharply depleting the water content of the Kern River snowpack from its early March peak level.



CITY OF BAKERSFIELD WATER RESOURCES DEPARTMENT

Forecast

The State of California, Department of Water Resources, issued the following forecasts of Kern River runoff into Isabella Reservoir for the 2004 April-July snow melt period:

February 1, 2004:	72% of average (340,000 acre-feet)
March 1, 2004:	77% of average (360,000 acre-feet)
April 1, 2004:	55% of average (260,000 acre-feet)
May 1, 2004:	47% of average (220,000 acre-feet)

Runoff

Actual 2004 April-July Kern River inflow to Lake Isabella was 223,514 acre-feet (48% of average). Peak snow melt inflow to Isabella



Kern River at Miracle Hot Springs

Reservoir occurred on May 5, 2004 with 1,860 cubic feet per second. Calendar year runoff at First Point of Measurement totaled

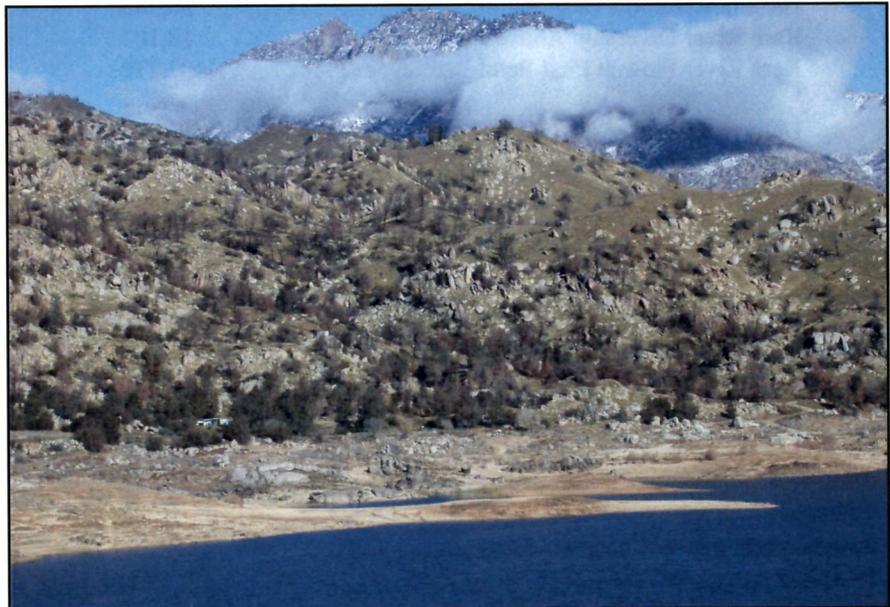
407,305 acre-feet, 56% of the long-term average (725,811 acre-feet) and 76% of the historical median (539,080 acre-feet). March 2004 natural flow, fed by low elevation snow melt resulting from unseasonable warmth in the Kern River watershed, was the second highest monthly flow recorded during the year, only the second time in Kern River history this has occurred (March of 1943).



*Wet Meadow Snow Sensor, Elev. 8,950 ft.
Kern River Basin*

Storage

Reservoir storage for 2004 began at 148,505 acre-feet. Peak Isabella Reservoir storage for the year fell on May 30, 2004 at 227,948 acre-feet, the earliest date for peak storage to occur since May of 1960. On February 26, 2004, an agreement was entered into between Southern California Edison Company and the North Kern Water Storage District, to allow for the storage of Borel Powerplant water entitlement in Isabella Reservoir. The 2004 power flow storage program enabled participating water districts to store an additional 3,121 acre-feet in Isabella Reservoir during the spring months to help meet peak summer water demands. Isabella Reservoir ended the year with 94,083 acre-feet of storage, constituting 17% of the lake capacity of 568,075 acre-feet and 61% of the average December 31st carryover storage figure of 154,181 acre-feet. The 2004 winter carryover storage figure was below 100,000 acre-feet for the first time since 1992 when Isabella Reservoir ended the year with just 82,262 acre-feet.



Isabella Reservoir as viewed upstream from Isabella Main Dam

Operations



View of Kern Island Canal on Jewett Straights-West, Circa 1915

Kern River *regulated* flow as computed at First Point of Measurement during the 2004 Calendar Year amounted to 425,379 acre-feet, 60% of the 1954-2004 average regulated flow of 703,477 acre-feet.

Maximum regulated flow during 2004 occurred on June 7th, with a mean daily discharge of 1,657 cubic feet per second. This relatively early peak Kern River regulated supply coincided with a



View downstream of Cross Valley Canal River Turnout No. 1

sharp curtailment of water deliveries from the California Aqueduct resulting from a 400-foot section of levee break June 3, 2004 on Jones Tract near Holt, California within the San Joaquin-Sacramento River Delta.

Deliveries of Kern River water to Second Point of Measurement for Buena Vista Water Storage District occurred between June 4th and August 13th of 2004, reaching a maximum discharge rate as measured at Alternate Second Point of 433 cubic feet per second on June 7, 2004. Total annual Kern River flow at Second Point of Measurement during 2004 amounted to 21,763 acre-feet. An additional amount of 26,593 acre-feet of well water was produced from various groundwater banking projects situated on the Kern River Fan west of Bakersfield and transported via the Kern River Canal for distribution below Second Point during 2004.

Total water yield of the Kern River drainage basin and its surface storage reservoir in acre-feet during 2004 is summarized as follows:

+	Kern River Computed Natural Flow	407,305
+	Isabella Reservoir Storage	54,420
-	Isabella Reservoir Evaporation	36,346
-	Kern River Diversion Above First Point	18,107
=	Kern River Flow at First Point	407,272

Delivery of **Kern River** water to canal and conveyance facilities located below First Point of Measurement for the 2004 calendar year was as follows:

<u>Delivery Point</u>	<u>Flow in Acre-Feet</u>
Beardsley Canal	152,710
Calloway Canal	19,126
Kern Island Canal	137,586
Eastside Canal	12,285
Stine Canal	15,214
Truxtun Lakes	346
Arvin-Edison Turnout	0
Buena Vista Canal	17,825
Rosedale Channel	1,503
The Lakes at River Walk	127
Berrenda Mesa Pipeline	0
Pioneer Property	0
2800 Acre Recharge Facility	0
Second Point of Measurement	21,763
Seepage Loss (River & Carrier)	28,787



Year: 2004

Kern River at First Point of Measurement "Computed Natural"

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	428	328	669	1,222	1,193	1,236	516	236	164	159	263	220
2	458	429	630	1,145	1,295	1,328	509	229	160	163	265	212
3	435	392	551	1,101	1,470	1,394	499	220	155	169	260	213
4	356	383	573	1,149	1,603	1,540	480	207	165	162	253	216
5	354	371	613	1,195	1,863	1,386	481	192	176	168	250	233
6	375	349	651	1,191	1,750	1,379	474	196	190	170	245	254
7	394	349	705	1,186	1,598	1,421	470	196	186	167	238	277
8	403	349	777	1,198	1,439	1,235	444	202	177	165	240	284
9	397	342	873	1,235	1,418	1,062	446	189	168	158	248	289
10	387	335	948	1,220	1,427	999	428	207	161	163	254	284
11	393	353	982	1,221	1,391	905	406	212	160	164	256	289
12	392	353	995	1,228	1,333	824	375	215	156	175	254	287
13	404	355	1,017	1,215	1,262	829	360	202	152	176	258	280
14	394	334	1,072	1,184	1,238	879	342	209	144	171	257	282
15	388	340	1,132	1,114	1,274	923	330	225	144	166	257	277
16	385	363	1,218	1,055	1,250	914	331	229	142	162	251	277
17	378	410	1,295	997	1,213	901	365	221	145	167	246	265
18	380	460	1,385	935	1,181	877	382	210	144	171	239	257
19	380	487	1,453	895	1,155	831	390	204	148	290	235	252
20	437	477	1,532	862	1,147	809	383	199	151	393	228	250
21	376	456	1,596	843	1,084	798	367	199	157	311	223	245
22	353	451	1,636	844	1,073	811	349	187	159	239	218	241
23	337	447	1,656	836	1,063	758	323	183	164	233	221	230
24	322	445	1,615	860	1,082	703	311	172	164	229	228	227
25	324	574	1,558	904	1,081	640	305	174	165	240	228	231
26	324	870	1,516	969	1,067	624	300	187	157	333	232	265
27	325	712	1,450	1,058	1,045	620	289	200	141	315	257	338
28	426	602	1,396	1,144	1,102	610	270	195	133	261	252	401
29	377	554	1,327	1,202	1,126	584	247	186	132	248	243	406
30	359	-	1,325	1,158	1,152	544	229	176	140	235	215	367
31	336	-	1,378	-	1,123	-	237	167	-	247	-	494
TOTAL	11,777	12,670	35,524	32,366	39,498	28,424	11,638	6,226	4,700	6,570	7,314	8,643
MAXIMUM DAY	458	870	1,656	1,235	1,863	1,540	516	236	190	393	265	494
MINIMUM DAY	322	328	551	836	1,045	544	229	167	132	158	215	212
MEAN	380	437	1,146	1,079	1,274	947	375	201	157	212	244	279
TOTAL AC. FT.	23,359	25,131	70,461	64,197	78,343	56,378	23,084	12,349	9,322	13,031	14,507	17,143
WHOLE YEAR:-	TOTAL,	205,350	MAX.,	1,863	MIN.,	132	MEAN,	561	TOTAL AC.FT.,	407,305		

Year: 2004

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

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	291	263	440	1,158	1,122	1,238	421	211	155	154	244	212
2	293	271	473	1,069	1,248	1,324	429	206	153	158	235	203
3	291	308	430	985	1,407	1,415	399	199	152	154	236	185
4	258	292	443	941	1,656	1,418	377	196	153	150	240	206
5	280	259	461	968	1,841	1,386	358	191	156	147	234	198
6	310	276	501	1,039	1,772	1,409	364	182	157	145	222	193
7	329	285	567	1,008	1,621	1,407	390	180	151	143	221	211
8	327	269	669	1,038	1,565	1,276	391	174	147	143	227	208
9	311	267	764	1,090	1,551	1,076	403	170	145	140	237	236
10	303	263	840	1,101	1,696	911	383	166	146	141	234	226
11	307	270	844	1,130	1,525	799	354	164	158	144	236	224
12	309	273	842	1,124	1,291	743	327	165	160	146	233	228
13	308	271	872	1,137	1,234	746	324	164	161	151	224	226
14	307	270	920	1,088	1,245	830	311	187	159	148	224	219
15	308	270	1,010	1,034	1,324	870	332	198	158	146	216	217
16	310	277	1,149	990	1,293	822	316	208	157	144	228	215
17	309	301	1,212	914	1,270	801	306	202	159	144	240	209
18	309	308	1,253	874	1,232	806	348	192	166	188	219	207
19	303	360	1,312	816	1,163	763	329	183	164	203	216	210
20	344	344	1,384	813	1,152	714	344	186	147	328	213	209
21	298	340	1,452	777	1,117	771	305	191	156	292	209	209
22	273	341	1,479	759	1,088	727	299	198	158	239	198	204
23	244	344	1,487	744	1,062	686	277	199	156	233	213	201
24	267	330	1,486	751	1,094	650	281	198	152	232	209	197
25	267	340	1,413	797	1,108	604	265	194	147	231	211	200
26	258	587	1,371	905	1,068	581	278	186	143	235	213	203
27	266	506	1,196	1,003	1,028	552	241	180	139	274	218	222
28	308	451	1,153	1,135	1,149	495	241	172	140	257	254	238
29	271	434	1,184	1,186	1,214	464	223	168	141	241	207	268
30	267	-	1,230	1,112	1,068	435	208	164	146	234	198	257
31	275	-	1,216	-	1,092	-	212	159	-	239	-	305
TOTAL	9,101	9,370	31,053	29,486	40,296	26,719	10,036	5,733	4,582	5,924	6,709	6,746
MAXIMUM DAY	344	587	1,487	1,186	1,841	1,418	429	211	166	328	254	305
MINIMUM DAY	244	259	430	744	1,028	435	208	159	139	140	198	185
MEAN	294	323	1,002	983	1,300	891	324	185	153	191	224	218
TOTAL AC. FT.	18,052	18,585	61,593	58,485	79,926	52,996	19,906	11,371	9,088	11,750	13,307	13,380
WHOLE YEAR:-	TOTAL,	185,755	MAX.,	1,841	MIN.,	139	MEAN,	508	TOTAL AC.FT.,	368,439		

Year: 2004

Kern River at First Point of Measurement "Regulated"

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	370	284	292	790	737	1,242	1,066	936	582	315	251	229
2	373	287	310	751	717	1,273	1,001	927	617	275	239	229
3	371	293	322	763	842	1,204	842	898	713	279	235	229
4	372	290	348	837	834	1,329	849	864	708	322	233	232
5	366	283	350	911	768	1,563	1,052	859	682	303	231	241
6	371	271	352	893	719	1,618	1,154	919	691	278	233	254
7	365	270	400	861	708	1,657	1,191	905	572	271	236	280
8	367	263	474	801	670	1,499	1,277	911	541	236	237	300
9	366	269	503	706	700	1,371	1,250	1,019	479	202	239	300
10	365	267	506	624	781	1,223	980	1,155	453	186	233	287
11	300	273	461	744	742	1,051	968	1,222	384	162	232	295
12	280	285	466	974	682	908	1,089	1,099	396	166	241	314
13	275	288	482	1,074	704	1,008	1,103	894	456	175	253	322
14	275	289	511	1,116	698	1,151	1,113	764	527	189	259	319
15	270	286	570	1,091	562	1,135	1,080	741	495	163	257	320
16	270	282	608	942	581	1,137	978	789	463	166	257	314
17	272	307	613	751	704	1,100	806	740	449	162	260	285
18	308	330	601	775	711	1,051	848	793	424	163	259	275
19	320	384	602	801	786	947	935	766	403	206	257	264
20	316	394	611	761	883	997	951	671	386	228	259	260
21	317	386	694	747	917	1,157	982	563	369	257	250	253
22	325	377	746	760	890	1,197	972	594	369	276	224	249
23	323	385	734	770	853	1,199	997	677	374	286	208	242
24	332	368	705	658	886	1,189	868	697	351	297	208	244
25	310	373	698	631	873	1,107	833	721	310	301	205	237
26	292	384	666	730	847	1,005	888	669	319	311	209	236
27	291	307	635	862	896	1,055	996	596	345	313	215	237
28	304	280	685	962	934	1,144	1,085	482	360	296	215	246
29	325	278	769	969	950	1,185	1,014	472	365	272	218	252
30	291	-	813	927	1,012	1,138	997	548	355	257	226	290
31	287	-	811	-	1,152	-	993	565	-	254	-	329
TOTAL	9,969	9,033	17,338	24,982	24,739	35,840	31,158	24,456	13,938	7,567	7,079	8,364
MAXIMUM INSTANT.	417	456	867	1,136	1,246	1,720	1,611	1,330	825	389	277	510
MINIMUM INSTANT.	247	106	280	593	511	849	586	437	165	122	185	171
MEAN	322	311	559	833	798	1,195	1,005	789	465	244	236	270
TOTAL AC. FT.	19,772	17,917	34,389	49,551	49,068	71,088	61,801	48,508	27,646	15,009	14,041	16,589
WHOLE YEAR:-	TOTAL,	214,463	MAX.,	1,720	MIN.,	106	MEAN,	586	TOTAL AC.FT.,	425,379		

DISCHARGE IN CUBIC FEET PER SECOND Kern River Conduit at Alternate Second Point (Total Flow) Year: 2004

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	89	291	0	0	0	0
2	0	0	0	0	0	0	97	290	0	0	0	0
3	0	0	0	0	0	0	105	300	0	0	0	0
4	0	0	0	0	0	69	97	292	0	0	0	0
5	0	0	0	0	0	329	87	292	0	0	0	0
6	0	0	0	0	0	413	83	342	0	0	0	0
7	0	0	0	0	0	433	73	353	0	0	0	0
8	0	0	0	0	0	259	76	346	0	0	0	0
9	0	0	0	0	0	152	119	357	0	0	0	0
10	0	0	0	0	0	99	101	379	0	0	0	0
11	0	0	0	0	0	75	106	360	0	0	0	0
12	0	0	0	0	0	88	85	204	0	0	0	0
13	0	0	0	0	0	102	76	37	0	0	0	0
14	0	0	0	0	0	108	91	0	0	0	0	0
15	0	0	0	0	0	92	96	0	0	0	0	0
16	0	0	0	0	0	80	83	0	0	0	0	0
17	0	0	0	0	0	72	95	0	0	0	0	0
18	0	0	0	0	0	100	96	0	0	0	0	0
19	0	0	0	0	0	107	90	0	0	0	0	0
20	0	0	0	0	0	103	79	0	0	0	0	0
21	0	0	0	0	0	105	83	0	0	0	0	0
22	0	0	0	0	0	110	91	0	0	0	0	0
23	0	0	0	0	0	97	84	0	0	0	0	0
24	0	0	0	0	0	106	99	0	0	0	0	0
25	0	0	0	0	0	113	91	0	0	0	0	0
26	0	0	0	0	0	105	83	0	0	0	0	0
27	0	0	0	0	0	93	141	0	0	0	0	0
28	0	0	0	0	0	99	212	0	0	0	0	0
29	0	0	0	0	0	97	219	0	0	0	0	0
30	0	0	0	0	0	93	226	0	0	0	0	0
31	0	0	0	0	0	0	277	0	0	0	0	0
TOTAL	0	0	0	0	0	3,699	3,430	3,843	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	433	277	379	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	73	0	0	0	0	0
MEAN	0	0	0	0	0	123	111	124	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	7,337	6,803	7,623	0	0	0	0
WHOLE YEAR:-	TOTAL,	10,972	MAX.,	433	MIN.,	0	MEAN,	30	TOTAL AC.FT.,	21,763		

Year: 2004

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

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 2004

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

DISCHARGE IN CUBIC FEET PER SECOND

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	52
2	0	0	0	0	0	0	0	0	0	0	0	45
3	0	0	0	0	0	0	0	0	0	0	0	35
4	0	0	0	0	0	0	0	0	0	0	0	10
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	44	0
28	0	0	0	0	0	0	0	0	0	0	60	0
29	0	0	0	0	0	0	0	0	0	0	31	0
30	0	-	0	0	0	0	0	0	0	0	14	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	149	142
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	60	52
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	5	5
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	296	281
WHOLE YEAR:-	TOTAL,	291	MAX.,	60	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	577		

CITY OF BAKERSFIELD
SUMMARY OF KERN RIVER ENTITLEMENTS

Quantities in acre-feet

Year: 2004

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista W.S.D. Entitlement	0	0	16,550	14,743	19,053	12,252	1,619	0	0	0	0	0	64,217
Hacienda W.D. Entitlement	0	0	0	0	0	0	0	0	0	0	0	0	0
K.C.L. Entitlement @ 2nd Point	0	0	611	706	916	589	75	0	0	0	0	0	2,897
Kern Island (1-st)	18,446	17,256	18,163	17,851	18,446	17,851	17,841	11,673	8,667	12,140	13,852	15,572	187,758
Eastside													
Kern River Conduit			21,059	17,851	18,869	16,099	2,873						76,751
Castro	268	264	65	93	115	60				20		48	933
KCC & W Co.	736	726	171	208	292	143				50		123	2,449
South Fork	494	512	127	153	214	111				32		87	1,730
Buena Vista (1-st)	2,499	2,638	942	1,218	1,622	821				113		480	10,333
James (1-st)	240	1,827	1,402	1,829	2,434	1,234						157	9,123
Anderson (1-st)		190	236	301	407	202							1,336
Stine		732	1,762	2,287	3,059	1,535							9,375
Meacham		81	349	454	603	311							1,798
Farmers (1-st)		272	1,762	2,235	3,059	1,446							8,774
Plunket			464	542	811	317							2,134
Joyce			464	518	811	274							2,067
Johnson			464	496	811	272							2,043
Pioneer (1-st)			1,501	1,438	2,386	779							6,104
Beardsley (1-st)			651	478	807	345							2,281
Lerdo (NKWSD)													
Anderson (2-nd)			109	52	117	60							338
James & Dixon			419	89	446	230							1,184
Wilson			60	60	56	28							144
KCC & W Co.			44		48	26							118
McCaffrey			270		242	133							645
McCord: Lerdo 30%			278		224	127							629
Beardsley 70%			653		526	295							1,474
Calloway: Central 20%			241		260	36							537
NKWSD 80%			968		1,033	147							2,148
Railroad: KCC & W Co. 20%													
NKWSD 80%													
Buena Vista (2-nd)													
James (2-nd)													
Pioneer (2-nd)													
Beardsley (3-rd)													
Kern Island (2-nd)													
Computed Loss	676	633	676	655	676	655	676	676	655	676	655	676	7,985
Total 1st Point Group Entitlement	23,359	25,131	53,911	49,454	59,290	44,126	21,465	12,349	9,322	13,031	14,507	17,143	343,088

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

Quantities in acre-feet

Year: 2004

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
KERN RIVER FLOW AT FIRST POINT	18,698	16,947	33,100	47,774	47,163	69,120	59,627	46,550	25,803	13,692	13,133	15,665	407,272
BEARDSLEY CANAL	7,311	8,150	9,295	23,054	22,742	17,419	16,844	15,136	8,842	8,105	9,762	6,050	152,710
CALLOWAY CANAL	0	0	75	2,210	2,776	3,352	3,426	3,461	2,947	879	0	0	19,126
KERN ISLAND CANAL	4,138	5,357	16,078	16,532	16,975	22,344	17,373	16,038	9,257	3,140	1,956	8,398	137,586
EASTSIDE CANAL	60	0	1,390	1,831	1,987	2,444	2,241	1,537	785	10	0	0	12,285
STINE CANAL	0	0	1,430	758	175	6,906	5,790	155	0	0	0	0	15,214
TRUXTUN LAKES	0	0	0	77	0	0	0	0	206	63	0	0	346
ARVIN-EDISON TURNOUT	0	0	0	0	0	0	0	0	0	0	0	0	0
BUENA VISTA CANAL	835	2,089	2,561	1,113	161	6,026	4,487	0	0	121	232	200	17,825
RIVER CANAL BOOSTERS	0	0	0	0	0	0	0	0	0	0	0	0	0
JAMES CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0
RIVER WALK LAKE	127	0	0	0	0	0	0	0	0	0	0	0	0
ROSEDALE CHANNEL	1,503	0	0	0	0	0	0	0	0	0	0	0	127
PIONEER CANAL	0	0	0	0	0	0	0	0	0	0	0	0	1,503
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
BOSWELL TURNOUT	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
CARRIER CANAL LOSS/REFILL	341	700	690	490	355	1,082	904	541	425	413	502	341	6,784
RIVER LOSS & SPREADING	4,383	651	1,581	1,709	1,992	2,210	1,759	2,059	3,341	961	681	676	22,003
FIRST POINT CANALS TOTAL FLOW	18,698	16,947	33,100	47,774	47,163	61,783	52,824	38,927	25,803	13,692	13,133	15,665	385,509
TOTAL FLOW AT SECOND POINT	0	0	0	0	0	7,337	6,803	7,623	0	0	0	0	21,763
BUENA VISTA WSD	0	0	0	0	0	7,337	6,803	7,046	0	0	0	0	21,186
KERN WATER BANK	0	0	0	0	0	0	0	0	0	0	0	0	0
KERN DELTA WD	0	0	0	0	0	0	0	577	0	0	0	0	577

2004 Summary of Kern River Water
Diversions by Entity

(Acre-Feet)

Area of Use Diverted

Above First Point

California Water Service Co.	15,742
Kern Valley Golf Course	180
La Hacienda, Inc.	153
Lake Ming	790
Olcese WD	833
City of Bakersfield	409
Sub-total	18,107

Below First Point

Arvin-Edison WSD	0
Buena Vista WSD	21,186
Cawelo WD	38,583
City of Bakersfield, Irrigation and Spreading	38,345
Improvement District #4	19,126
Kern County Water Agency	0
Kern Delta WD	183,373
North Kern WSD	104,787
Rosedale Ranch Improvement District	255
Rosedale-Rio Bravo WSD	1,503
Kern-Tulare WD	0
Rag Gulch WD	0
South Fork	114
Sub-total	407,272
Grand Total	425,379

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

Year: 2004

Quantities in acre-feet

End of Month Unit Storage

STORAGE UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern Island	2,500	6,928	9,243	11,420	12,231	5,255	5,454	986	1,308	2,500	2,500	2,500	62,825
Buena Vista	1,500	2,178	2,773	3,793	5,229	2,271	135	129	123	938	1,007	1,410	21,486
Stine	551	1,245	2,370	4,303	7,080	4,031	163	0	0	0	0	0	19,743
Farmers	131	121	1,734	3,818	6,000	3,663	863	258	6	6	6	6	16,632
KERN DELTA WD TOTAL	4,682	10,472	16,120	23,334	30,540	15,240	6,615	1,373	1,437	3,444	3,513	3,916	120,686
City of Bakersfield	18,865	18,253	33,231	41,396	47,989	45,225	29,043	18,567	15,060	13,544	14,506	14,423	310,102
Kern River Canal & Irr. Co.	940	498	357	0	0	0	0	0	0	0	0	0	1,795
South Fork	600	727	854	1,007	1,237	1,332	1,300	1,280	1,248	1,626	600	600	12,411
Improvement District No. 4	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF BAKERSFIELD TOTAL	20,405	19,478	34,442	42,403	49,226	46,557	30,343	19,847	16,308	15,170	15,106	15,023	324,308
NORTH KERN WSD	51,519	54,323	57,396	46,685	44,779	40,863	34,458	29,456	22,403	21,296	21,314	21,273	445,765
TOTAL 1ST POINT STORAGE	76,606	84,273	107,958	112,422	124,545	102,660	71,416	50,676	40,148	39,910	39,933	40,212	890,759

KERN DELTA WATER DISTRICT



Break in west bank of Kern Island Canal,
just above 4 Weirs. February 7, 1937.

KERN DELTA WATER DISTRICT

Monthly Summary of Kern River Entitlements, Diversions, Deliveries and Storage ... All Canals

Quantities in acre-feet

Year: 2004

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	20,945	20,898	22,629	23,591	26,186	21,653	17,841	11,673	8,667	12,253	13,852	16,052	216,240
Release	(15,758)	(7,729)	(848)	0	(113)	0	0	0	0	(6,777)	(11,023)	(6,787)	(49,035)
Entitlement + or - Releases	5,187	13,169	21,781	23,591	26,073	21,653	17,841	11,673	8,667	5,476	2,829	9,265	167,205
Into Isabella Storage	28	5,951	6,086	8,033	9,684	79	1,614	301	682	2,078	127	483	35,146
From Isabella Storage	79	131	261	421	1,741	14,621	9,830	5,358	546	0	0	44	33,032
From City of Bakersfield	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
To City of Bakersfield	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage Transfer/Exch.	0	0	0	0	0	0	0	0	0	0	0	0	0
River and Carrier Canal Loss	341	718	10	0	0	0	0	0	0	296	528	341	2,234
Via 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	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Heads of Canals	4,897	6,631	15,946	15,979	18,130	36,195	26,057	16,730	8,531	3,102	2,174	8,485	162,857
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	4,897	6,631	15,946	15,979	18,130	36,195	26,057	16,730	8,531	3,102	2,174	8,485	162,857
Utility Deliveries	3,227	3,804	9,920	11,290	12,800	26,787	17,653	12,560	5,186	1,315	246	6,392	111,180
Contract Deliveries	31	266	713	770	694	731	424	356	255	40	113	0	4,393
Total Irrigation Deliveries	3,258	4,070	10,633	12,060	13,494	27,518	18,077	12,916	5,441	1,355	359	6,392	115,573
Canal Conveyance Losses	1,639	2,561	5,313	3,919	4,636	8,677	7,980	3,814	3,090	1,747	1,815	2,093	47,284
Delivery Percentage	67%	61%	67%	75%	74%	76%	69%	77%	64%	44%	17%	75%	71%
Reservoir Evaporation Loss	34	30	177	398	737	758	409	185	72	71	58	36	2,965
End of Month Reservoir Storage	4,682	10,472	16,120	23,334	30,540	15,240	6,615	1,373	1,437	3,444	3,513	3,916	

DISCHARGE IN CUBIC FEET PER SECOND Year: 2004

Total Flow via the Kern Island Canal Headgate

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	73	101	322	296	421	293	235	156	119	12	72
2	0	43	146	306	236	447	298	201	158	98	12	101
3	0	49	149	323	268	450	295	207	142	105	7	139
4	0	42	172	319	257	451	309	215	143	139	0	161
5	0	42	190	348	213	441	340	212	141	124	0	187
6	0	45	196	344	209	412	359	232	181	85	0	194
7	0	56	204	317	187	361	370	221	193	72	0	196
8	0	55	234	288	144	407	390	223	194	48	0	220
9	0	54	265	256	142	450	374	239	195	53	0	223
10	0	79	308	155	203	435	317	289	160	44	0	237
11	0	90	320	178	209	358	294	338	131	53	5	244
12	0	106	345	295	238	259	297	349	131	67	22	245
13	0	165	353	349	237	274	292	370	163	70	20	255
14	0	155	318	357	277	329	283	352	178	80	21	259
15	29	157	307	353	205	337	284	351	179	73	23	259
16	132	174	301	337	180	360	279	348	157	44	26	254
17	138	149	300	284	219	352	164	342	169	35	45	241
18	136	134	301	264	252	313	172	346	169	33	59	163
19	143	139	296	219	250	257	181	342	163	27	61	115
20	149	124	303	196	288	252	202	323	149	27	86	76
21	150	85	303	180	301	338	244	271	154	25	74	80
22	149	98	319	193	284	373	234	259	162	22	69	83
23	141	104	299	224	241	388	279	277	165	22	71	46
24	123	75	261	202	297	405	291	286	159	26	52	29
25	115	70	229	183	425	390	250	264	131	25	49	29
26	116	87	231	214	418	376	251	226	118	6	47	33
27	139	91	247	301	416	421	263	185	114	18	41	42
28	145	81	249	333	432	407	268	161	134	16	47	21
29	142	79	268	342	424	417	291	137	142	10	64	22
30	71	-	279	353	407	384	303	139	136	8	73	6
31	68	-	312	-	403	-	292	146	-	9	-	2
TOTAL	2,086	2,701	8,106	8,335	8,558	11,265	8,759	8,086	4,667	1,583	986	4,234
MAXIMUM DAY	150	174	353	357	432	451	390	370	195	139	86	259
MINIMUM DAY	0	42	101	155	142	252	164	137	114	6	0	2
MEAN	67	93	261	278	276	376	283	261	156	51	33	137
TOTAL AC. FT.	4,138	5,357	16,078	16,532	16,975	22,344	17,373	16,038	9,257	3,140	1,956	8,398
WHOLE YEAR:-	TOTAL,	69,366	MAX.,	451	MIN.,	0	MEAN,	190	TOTAL AC.FT.,	137,586		

KERN DELTA WATER DISTRICT KERN ISLAND CANAL SERVICE AREA

Year: 2004

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	18,446	17,256	18,163	17,851	18,446	17,851	17,841	11,673	8,667	12,140	13,852	15,572	187,758
Release	13,355	7,705	1,840	0	0	0	0	0	0	7,906	11,842	7,303	49,951
Entitlement + or - Releases	5,091	9,551	16,323	17,851	18,446	17,851	17,841	11,673	8,667	4,234	2,010	8,269	137,807
Into Storage	18	4,448	2,452	2,806	2,806	79	1,614	301	682	1,253	42	26	16,527
From Storage	0	0	24	421	1,661	6,778	1,198	4,628	300	0	0	0	15,010
From City of Bakersfield	0	0	0	0	0	0	0	0	0	0	0	0	0
River and Carrier Canal Loss	341	236	0	0	0	0	0	0	0	0	26	0	603
Other	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	914	1,500	1,717	2,166	1,918	819	0	0	0	0	9,034
To City of Bakersfield	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
Via North Kern WSD	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	4,732	4,867	12,981	13,966	15,584	22,384	15,507	15,181	8,285	2,981	1,942	8,243	126,653
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	4,732	4,867	12,981	13,966	15,584	22,384	15,507	15,181	8,285	2,981	1,942	8,243	126,653
Utility Deliveries	3,163	2,656	8,342	10,302	11,033	17,848	11,083	11,512	5,048	1,315	211	6,330	88,843
Contract Deliveries	31	266	691	657	627	731	424	356	255	40	113	0	4,191
Total Irrigation Deliveries	3,194	2,922	9,033	10,959	11,660	18,579	11,507	11,868	5,303	1,355	324	6,330	93,034
Canal Conveyance Losses	1,538	1,945	3,948	3,007	3,924	3,805	4,000	3,313	2,982	1,626	1,618	1,913	33,619
Delivery Percentage	67%	60%	70%	78%	75%	83%	74%	78%	64%	45%	17%	77%	73%
Into Reservoir Storage	18	4,448	2,452	2,806	2,806	79	1,614	301	682	1,253	42	26	16,527
Reservoir Evaporation Loss	18	20	113	208	334	277	217	141	60	61	42	26	1,517
From Reservoir Storage	0	0	24	421	1,661	6,778	1,198	4,628	300	0	0	0	15,010
End of Month Reservoir Storage	2,500	6,928	9,243	11,420	12,231	5,255	5,454	996	1,308	2,500	2,500	2,500	2,500
State Exchange Diverted	76	303	1,054	1,067	884	652	1,200	839	694	159	14	113	7,055
State Exchange Delivered (Irrigation)	76	303	1,054	1,067	884	652	1,200	839	694	159	14	113	7,055
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
ID4 Exchange Water Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
ID4 Exchange Water Delivered	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: 2004

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	18,446	17,256	18,424	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,760
Actual	18,446	17,256	18,163	17,851	18,446	17,851	17,841	11,673	8,667	12,140	13,852	15,572	187,758
Maximum Percentage	100.00%	100.00%	98.58%	100.00%	100.00%	100.00%	96.72%	63.28%	48.55%	65.81%	77.60%	84.42%	
CONTRACT ENTITLEMENT:													
Maximum	269	242	269	260	269	260	269	269	260	269	260	--	2,896
Actual	269	242	265	260	269	260	260	170	126	177	202	--	2,500
Sum to Date	269	511	776	1,036	1,305	1,565	1,825	1,995	2,121	2,298	2,500	2,500	
CONTRACT DIVERTED:													
For Month	31	217	306	192	348	457	170	98	32	0	30	0	1,881
To Date	31	248	554	746	1,094	1,551	1,721	1,819	1,851	1,851	1,881	1,881	
UNUSED ENTITLEMENT:													
For Month	238	25	(41)	68	(79)	(197)	90	72	94	177	172	0	619
Sum to Date	238	263	222	290	211	14	104	176	270	447	619	619	

**KERN ISLAND CANAL
ENTITLEMENT AND DIVERSION OF CONTRACT WATER**

BLOOMFIELD CONTRACT

Year: 2004

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	18,446	17,256	18,424	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,760
Actual	18,446	17,256	18,163	17,851	18,446	17,851	17,841	11,673	8,667	12,140	13,852	15,572	187,758
Maximum Percentage	100.00%	100.00%	98.58%	100.00%	100.00%	100.00%	96.72%	63.28%	48.55%	65.81%	77.60%	84.42%	
CONTRACT ENTITLEMENT:													
Maximum	336	303	336	325	336	325	336	336	325	336	325	--	3,619
Actual	336	303	331	325	336	325	325	213	158	221	252	--	3,125
Sum to Date	336	639	970	1,295	1,631	1,956	2,281	2,494	2,652	2,873	3,125	3,125	
CONTRACT DIVERTED:													
For Month	0	49	385	465	279	274	254	258	223	40	83	0	2,310
To Date	0	49	434	899	1,178	1,452	1,706	1,964	2,187	2,227	2,310	2,310	
UNUSED ENTITLEMENT:													
For Month	336	254	(54)	(140)	57	51	71	(45)	(65)	181	169	0	815
Sum to Date	336	590	536	396	453	504	575	530	465	646	815	815	

Year: 2004

Total Flow via the Eastside Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	5	30	25	29	42	24	25	5	0	0
2	0	0	18	26	29	33	40	34	15	0	0	0
3	1	0	20	24	31	33	26	39	12	0	0	0
4	5	0	11	23	30	36	22	31	10	0	0	0
5	5	0	2	31	31	36	31	27	8	0	0	0
6	5	0	6	28	31	39	32	21	9	0	0	0
7	5	0	10	23	32	50	35	20	9	0	0	0
8	5	0	13	23	26	52	41	21	7	0	0	0
9	4	0	18	17	28	57	46	27	9	0	0	0
10	0	0	19	18	39	58	43	35	18	0	0	0
11	0	0	19	23	41	41	42	37	17	0	0	0
12	0	0	17	35	40	38	44	44	18	0	0	0
13	0	0	20	35	36	40	46	41	20	0	0	0
14	0	0	25	32	38	47	47	34	19	0	0	0
15	0	0	33	33	42	47	46	31	18	0	0	0
16	0	0	32	33	37	46	34	28	21	0	0	0
17	0	0	35	24	35	40	34	23	20	0	0	0
18	0	0	35	24	34	33	37	20	18	0	0	0
19	0	0	34	27	34	24	38	13	11	0	0	0
20	0	0	22	27	35	27	37	7	10	0	0	0
21	0	0	24	35	39	45	36	9	10	0	0	0
22	0	0	28	38	30	49	35	21	12	0	0	0
23	0	0	33	36	23	49	33	25	15	0	0	0
24	0	0	34	35	36	48	29	25	15	0	0	0
25	0	0	34	38	36	39	31	24	10	0	0	0
26	0	0	29	47	33	36	38	24	6	0	0	0
27	0	0	27	44	29	35	42	21	6	0	0	0
28	0	0	20	42	28	41	41	9	10	0	0	0
29	0	0	21	38	28	42	37	15	10	0	0	0
30	0	-	27	34	22	42	25	21	8	0	0	0
31	0	-	30	-	24	-	20	24	-	0	-	0
TOTAL	30	0	701	923	1,002	1,232	1,130	775	396	5	0	0
MAXIMUM DAY	5	0	35	47	42	58	47	44	25	5	0	0
MINIMUM DAY	0	0	2	17	22	24	20	7	6	0	0	0
MEAN	1	0	23	31	32	41	36	25	13	0	0	0
TOTAL AC. FT.	60	0	1,390	1,831	1,987	2,444	2,241	1,537	785	10	0	0
WHOLE YEAR:-	TOTAL,	6,194	MAX.,	58	MIN.,	0	MEAN,	17	TOTAL AC.FT.,	12,285		

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

Year: 2004

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	0	0	914	1,500	1,717	2,166	1,918	819	0	0	0	0	9,034
State Exchange Diverted	60	0	476	331	270	278	323	718	785	10	0	0	3,251
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
Eastside Canal at Head	60	0	1,390	1,831	1,987	2,444	2,241	1,537	785	10	0	0	12,285

Utility Deliveries	0	0	702	988	1,346	1,780	1,594	676	0	0	0	0	7,086
Contract Deliveries	0	0	22	113	67	0	0	0	0	0	0	0	202
Subtotal Utility Deliveries	0	0	724	1,101	1,413	1,780	1,594	676	0	0	0	0	7,288
State Exchange Delivered	55	0	170	331	270	278	323	547	578	30	0	0	2,582
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
Arvin-Edison Payback Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0
Subtotal State/Other Deliveries	55	0	170	331	270	278	323	547	578	30	0	0	2,582
Total Irrigation Deliveries	55	0	894	1,432	1,683	2,058	1,917	1,223	578	30	0	0	9,870

Canal Loss (Utility)	0	0	190	399	304	386	324	143	0	0	0	0	1,746
Canal Loss (State)	5	0	306	0	0	0	0	171	207	(20)	0	0	669
Canal Loss (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Canal Loss	5	0	496	399	304	386	324	314	207	(20)	0	0	2,415
Delivery Percentage	92%	0%	64%	78%	85%	84%	86%	80%	74%	300%	0%	0%	80%

Year: 2004

Total Flow via the Buena Vista Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	49	55	47	0	109	90	0	0	0	0	13
2	0	59	58	49	0	116	95	0	0	0	0	18
3	0	55	60	49	0	121	88	0	0	0	0	18
4	0	57	61	40	0	139	87	0	0	0	0	18
5	0	52	57	35	0	135	85	0	0	0	0	9
6	0	47	56	33	0	130	82	0	0	0	0	10
7	0	46	57	35	0	129	86	0	0	0	0	9
8	0	46	61	36	0	125	94	0	0	0	0	6
9	0	41	63	38	0	128	98	0	0	0	0	0
10	0	34	53	28	0	125	94	0	0	0	0	0
11	0	22	0	26	0	122	86	0	0	0	0	0
12	0	11	0	31	0	122	95	0	0	0	0	0
13	0	14	4	29	0	112	97	0	0	0	0	0
14	0	18	29	35	0	108	97	0	0	0	0	0
15	0	19	37	30	0	100	82	0	0	0	0	0
16	0	20	37	17	0	96	78	0	0	0	0	0
17	0	23	40	3	0	93	78	0	0	0	0	0
18	0	24	35	0	0	99	70	0	0	0	0	0
19	0	17	37	0	0	94	52	0	0	0	0	0
20	0	23	53	0	0	89	51	0	0	0	0	0
21	0	26	53	0	0	85	49	0	0	0	0	0
22	0	35	52	0	0	73	49	0	0	0	0	0
23	24	38	51	0	0	80	49	0	0	8	0	0
24	49	47	53	0	0	74	51	0	0	22	7	0
25	44	47	42	0	0	64	55	0	0	14	33	0
26	47	47	33	0	0	63	53	0	0	17	22	0
27	54	42	23	0	0	65	53	0	0	0	17	0
28	49	47	25	0	0	70	59	0	0	0	16	0
29	52	47	20	0	0	80	59	0	0	0	12	0
30	52	-	46	0	24	92	58	0	0	0	10	0
31	50	-	40	-	57	-	42	0	-	0	-	0
TOTAL	421	1,053	1,291	561	81	3,038	2,262	0	0	61	117	101
MAXIMUM DAY	54	59	63	49	57	139	98	0	0	22	33	18
MINIMUM DAY	0	11	0	0	0	63	42	0	0	0	0	0
MEAN	14	36	42	19	3	101	73	0	0	2	4	3
TOTAL AC. FT.	835	2,089	2,561	1,113	161	6,026	4,487	0	0	121	232	200
WHOLE YEAR:-	TOTAL,	8,986	MAX.,	139	MIN.,	0	MEAN,	25	TOTAL AC.FT.,	17,825		

KERN DELTA WATER DISTRICT
BUENA VISTA CANAL SERVICE AREA

Year: 2004

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	2,499	2,638	942	1,218	1,622	821	0	0	0	113	0	480	10,333
Release	(2,489)	(248)	992	0	94	0	0	0	0	1,129	819	474	771
Entitlement + or - Releases	10	2,390	1,934	1,218	1,716	821	0	0	0	1,242	819	954	11,104
Into Storage	10	686	788	1,085	1,577	0	0	0	0	825	85	457	5,513
From Storage	0	0	161	0	22	2,836	2,097	0	0	0	0	44	5,160
Via Cawelo Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
Via North Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	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
Carrier Canal/River Loss	0	482	10	0	0	0	0	0	0	296	502	341	1,631
Diverted at Head of Canal	0	1,222	1,297	133	161	3,657	2,097	0	0	121	232	200	9,120
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	1,222	1,297	133	161	3,657	2,097	0	0	121	232	200	9,120
Utility Deliveries	0	847	876	0	0	2,515	1,362	0	0	0	35	20	5,655
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	0	847	876	0	0	2,515	1,362	0	0	0	35	20	5,655
Canal Conveyance Losses	0	375	421	133	161	1,142	735	0	0	121	197	180	3,465
Delivery Percentage	0%	69%	68%	0%	0%	69%	65%	0%	0%	0%	15%	10%	62%

Into Reservoir Storage	10	686	788	1,085	1,577	0	0	0	0	825	85	457	5,513
Reservoir Evaporation Loss	10	8	32	65	119	122	39	6	6	10	16	10	443
From Reservoir Storage	0	0	161	0	22	2,836	2,097	0	0	0	0	44	5,160
End of Month Reservoir Storage	1,500	2,178	2,773	3,793	5,229	2,271	135	129	123	938	1,007	1,410	

State Exchange Diverted	0	0	1,264	980	0	498	1,291	0	0	0	0	0	4,033
State Exchange Delivered (Irrigation)	0	0	814	681	0	498	976	0	0	0	0	0	2,969
State Exchange Delivered (Loss/Spdg.)	0	0	450	299	0	0	315	0	0	0	0	0	1,064
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

Year: 2004

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista Canal at Headworks	835	2,089	2,561	1,113	161	6,026	4,487	0	0	121	232	200	17,825
Buena Vista Canal from Maples Canal	0	0	0	0	0	0	577	0	0	0	0	0	577
TOTAL BUENA VISTA CANAL SUPPLY	835	2,089	2,561	1,113	161	6,026	4,487	577	0	121	232	200	18,402
Deliveries: Head to Section 17													
Buena Vista Utility	0	661	876	0	0	1,680	783	0	0	0	35	0	4,035
Buena Vista State Exchange (Irrigation)	0	0	658	209	0	359	432	0	0	0	0	0	1,658
Buena Vista State Exchange (Spreading)	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista MWD Water (Irrigation)	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista MWD Water (Spreading)	0	0	0	0	0	0	0	0	0	0	0	0	0
Stine Utility	0	0	0	0	0	33	0	0	0	0	0	0	33
Sub-Total	0	661	1,534	209	0	2,072	1,215	0	0	0	35	0	5,726
Deliveries: At or Below Section 17													
Buena Vista Utility	0	186	0	0	0	835	579	0	0	0	0	20	1,620
Buena Vista State Exchange (Irrigation)	0	0	156	472	0	139	544	0	0	0	0	0	1,311
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	77	0	0	0	0	0	77
Stine State Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island Utility	563	766	0	0	0	1,566	747	577	0	0	0	0	4,219
Kern Island State Exchange	0	0	0	0	0	0	125	0	0	0	0	0	125
Kern Island MWD Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Total	563	952	156	472	0	2,540	2,072	577	0	0	0	20	7,352
TOTAL DELIVERED	563	1,613	1,690	681	0	4,612	3,287	577	0	0	35	20	13,078
Canal Conveyance Losses	272	476	871	432	161	1,414	1,200	0	0	121	197	180	5,324
Delivery Percentage	67%	77%	66%	61%	0%	77%	73%	100%	0%	0%	15%	10%	71%
DISTRIBUTION:													
Buena Vista Utility	0	1,222	1,297	133	161	3,657	2,097	0	0	121	232	200	9,120
Buena Vista State Exchange	0	0	1,264	980	0	498	1,291	0	0	0	0	0	4,033
Buena Vista MWD Water	0	0	0	0	0	0	0	0	0	0	0	0	0
Stine Utility	0	0	0	0	0	44	91	0	0	0	0	0	135
Stine State Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island Utility	835	867	0	0	0	1,827	883	577	0	0	0	0	4,989
Kern Island State Exchange	0	0	0	0	0	0	125	0	0	0	0	0	125
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	835	2,089	2,561	1,113	161	6,026	4,487	577	0	121	232	200	18,402

Year: 2004

Total Flow via the Stine Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	82	102	0	0	0	0	0
2	0	0	0	0	0	100	91	0	0	0	0	0
3	0	0	0	0	0	109	82	0	0	0	0	0
4	0	0	0	0	0	114	79	0	0	0	0	0
5	0	0	0	0	0	134	114	0	0	0	0	0
6	0	0	0	0	0	124	112	0	0	0	0	0
7	0	0	0	0	0	125	112	0	0	0	0	0
8	0	0	0	0	0	124	112	0	0	0	0	0
9	0	0	0	5	0	123	113	0	0	0	0	0
10	0	0	0	33	0	119	110	0	0	0	0	0
11	0	0	0	35	0	109	110	0	0	0	0	0
12	0	0	0	46	0	109	111	0	0	0	0	0
13	0	0	0	64	0	113	112	0	0	0	0	0
14	0	0	0	67	0	127	115	0	0	0	0	0
15	0	0	2	71	0	134	114	0	0	0	0	0
16	0	0	30	61	0	137	109	0	0	0	0	0
17	0	0	35	0	0	141	106	0	0	0	0	0
18	0	0	45	0	0	137	108	0	0	0	0	0
19	0	0	58	0	0	113	117	0	0	0	0	0
20	0	0	64	0	0	110	112	0	0	0	0	0
21	0	0	58	0	0	123	106	0	0	0	0	0
22	0	0	55	0	0	131	101	0	0	0	0	0
23	0	0	55	0	0	131	98	0	0	0	0	0
24	0	0	57	0	0	126	96	5	0	0	0	0
25	0	0	51	0	0	109	91	13	0	0	0	0
26	0	0	49	0	0	90	101	10	0	0	0	0
27	0	0	47	0	0	86	103	9	0	0	0	0
28	0	0	44	0	0	99	82	12	0	0	0	0
29	0	0	37	0	0	101	0	8	0	0	0	0
30	0	-	34	0	27	102	0	2	0	0	0	0
31	0	-	0	-	61	-	0	19	-	0	-	0
TOTAL	0	0	721	382	88	3,482	2,919	78	0	0	0	0
MAXIMUM DAY	0	0	64	71	61	141	117	19	0	0	0	0
MINIMUM DAY	0	0	0	0	0	82	0	0	0	0	0	0
MEAN	0	0	23	13	3	116	94	3	0	0	0	0
TOTAL AC. FT.	0	0	1,430	758	175	6,906	5,790	155	0	0	0	0
WHOLE YEAR:-	TOTAL,	7,670	MAX.,	141	MIN.,	0	MEAN,	21	TOTAL AC.FT.,	15,214		

Year: 2004

Stine via Arvin-Edison Intake Canal

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	21	0	0	0	0	0	0	0	0
2	0	0	0	18	0	0	0	0	0	0	0	0
3	0	0	0	22	0	0	0	0	0	0	0	0
4	0	0	0	22	0	0	0	0	0	0	0	0
5	0	0	0	22	0	0	0	0	0	0	0	0
6	0	0	0	25	0	0	0	0	0	0	0	0
7	0	0	0	23	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	23	0	0	0	0	0	0	0	0	0
TOTAL	0	0	23	153	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	23	25	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	1	5	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	46	303	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	176	MAX.,	25	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	349		

KERN DELTA WATER DISTRICT STINE CANAL SERVICE AREA

Year: 2004

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	0	732	1,762	2,287	3,059	1,535	0	0	0	0	0	0	9,375
Release	22	111	0	0	0	0	0	0	0	0	0	0	133
Entitlement + or - Releases	=	843	1,762	2,287	3,059	1,535	0	0	0	0	0	0	9,508
Into Storage	0	696	1,169	2,000	2,928	0	0	0	0	0	0	0	6,793
From Storage	0	0	20	0	0	2,857	3,800	155	0	0	0	0	6,832
Via 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	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	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head of Canal	=	147	613	287	131	4,392	3,800	155	0	0	0	0	9,547
From Cawelo Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	=	147	613	287	131	4,392	3,800	155	0	0	0	0	9,547
Utility Deliveries	9	75	0	0	0	2,034	1,675	0	0	0	0	0	3,793
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	=	9	75	0	0	2,034	1,675	0	0	0	0	0	3,793
Canal Conveyance Losses	13	72	613	287	131	2,358	2,125	155	0	0	0	0	5,754
Delivery Percentage	41%	51%	0%	0%	0%	46%	44%	0%	0%	0%	0%	0%	40%

Into Reservoir Storage	0	696	1,169	2,000	2,928	0	0	0	0	0	0	0	6,793
Reservoir Evaporation Loss	4	2	24	67	151	192	68	8	0	0	0	0	516
From Reservoir Storage	0	0	20	0	0	2,857	3,800	155	0	0	0	0	6,832
End of Month Reservoir Storage	551	1,245	2,370	4,303	7,080	4,031	163	0	0	0	0	0	0

State Exchange Diverted	0	64	1,622	1,180	0	81	988	0	0	0	0	0	3,935
State Exchange Delivered (Irrigation)	0	37	1,024	685	0	81	759	0	0	0	0	0	2,586
State Exchange Delivered (Loss/Spreading)	0	27	598	495	0	0	229	0	0	0	0	0	1,349
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 Stine	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: 2004

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	0	272	1,762	2,235	3,059	1,446	0	0	0	0	0	0	8,774
Release	64	113	0	0	(207)	0	0	0	0	0	0	42	12
Entitlement + or - Releases	64	385	1,762	2,235	2,852	1,446	0	0	0	0	0	42	8,786
Into Storage	0	121	1,677	2,142	2,373	0	0	0	0	0	0	0	6,313
From Storage	79	131	56	0	58	2,150	2,735	575	246	0	0	0	6,030
Transfer in Storage	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	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head of Canal	143	395	141	93	537	3,596	2,735	575	246	0	0	42	8,503
Utility Deliveries	55	226	0	0	421	2,610	1,939	372	138	0	0	42	5,803
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	55	226	0	0	421	2,610	1,939	372	138	0	0	42	5,803
Canal Conveyance Losses	88	169	141	93	116	986	796	203	108	0	0	0	2,700
Delivery Percentage	38%	57%	0%	0%	78%	73%	71%	65%	56%	0%	0%	100%	68%

Into Reservoir Storage	0	121	1,677	2,142	2,373	0	0	0	0	0	0	0	6,313
Reservoir Evaporation Loss	2	0	8	58	133	167	85	30	6	0	0	0	489
From Reservoir Storage	79	131	56	0	58	2,150	2,735	575	246	0	0	0	6,030
End of Month Reservoir Storage	131	121	1,734	3,818	6,000	3,683	863	258	6	6	6	6	6

State Exchange Diverted	0	448	1,097	697	0	0	0	0	0	0	0	0	2,242
State Exchange Delivered (Irrigation)	0	261	792	518	0	0	0	0	0	0	0	0	1,571
State Exchange Delivered (Loss/Spreading)	0	187	305	179	0	0	0	0	0	0	0	0	671
MWD Water Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
MWD Water Diverted (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

Kern Delta Water District Kern River Water Diverted
via Kern River Canal

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2004

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	20	0	0	0	0
2	0	0	0	0	0	0	0	24	0	0	0	0
3	0	0	0	0	0	0	0	25	0	0	0	0
4	0	0	0	0	0	0	0	26	0	0	0	0
5	0	0	0	0	0	0	0	27	0	0	0	0
6	0	0	0	0	0	0	0	25	0	0	0	0
7	0	0	0	0	0	0	0	25	0	0	0	0
8	0	0	0	0	0	0	0	24	0	0	0	0
9	0	0	0	0	0	0	0	23	0	0	0	0
10	0	0	0	0	0	0	0	20	0	0	0	0
11	0	0	0	0	0	0	0	17	0	0	0	0
12	0	0	0	0	0	0	0	16	0	0	0	0
13	0	0	0	0	0	0	0	19	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	291	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	27	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	9	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	577	0	0	0	0
WHOLE YEAR:-	TOTAL,	291	MAX.,	27	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	577		

KERN DELTA WATER DISTRICT
State Aqueduct Exchange Diversion and Storage Recapitulation

Quantities in acre-feet

Year: 2004

	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
November	0	0	0	0	0	0	0	0	0	0	0	0	5,853
December	0	0	0	0	0	0	0	0	0	0	0	0	5,853
January	52	60	24	0	0	0	0	0	0	0	0	136	5,717
February	157	0	146	0	64	448	0	0	0	0	0	815	4,902
March	520	462	385	1,078	1,388	1,059	0	0	0	0	10	4,902	0
Total	729	522	555	1,078	1,452	1,507	0	0	0	0	10	5,853	

	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
March	133	14	16	186	234	38	0	0	0	0	0	621	16,088
April	696	331	371	980	1,180	697	0	0	0	0	0	4,255	11,833
May	674	270	210	0	0	0	0	0	0	0	0	1,154	10,679
June	222	278	430	498	81	0	0	0	0	0	0	1,509	9,170
July	946	323	254	1,291	988	0	0	0	0	0	0	3,802	5,368
August	833	718	6	0	0	0	0	0	0	0	0	1,557	3,811
September	694	785	0	0	0	0	0	0	0	0	0	1,479	2,332
October	159	10	0	0	0	0	0	0	0	0	0	169	2,163
Total	4,357	2,729	1,287	2,955	2,483	735	0	0	0	0	0	14,546	16,709

November	0	0	14	0	0	0	0	0	0	0	0	14	2,149
December	14	0	99	0	0	0	0	0	0	0	0	113	2,036
Total	14	0	113	0	127	2,163							

CITY OF BAKERSFIELD



Kern River Below Rocky Point Weir

KERN RIVER CHANNEL OPERATIONS CITY OF BAKERSFIELD

Year: 2004

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ Kern River at First Point of Measurement	18,698	16,947	33,100	47,774	47,163	69,120	59,627	46,550	25,803	13,692	13,133	15,665	407,272
- Computed Loss	676	633	676	655	676	655	676	676	655	676	655	676	7,985
- Beardsley Canal at Head	7,311	8,150	9,295	23,054	22,742	17,419	16,844	15,136	8,842	8,105	9,762	6,050	152,710
- Carrier Canal at Head	5,645	8,164	22,159	20,801	19,474	31,979	26,822	21,671	15,985	4,911	2,716	8,939	189,266
= Rocky Point Weir	5,066	0	970	3,264	4,271	19,067	15,285	9,067	321	0	0	0	57,311
+ Carrier Waste Gate	202	0	0	0	0	0	0	0	0	0	0	0	202
+ Farmers-Stine-Anderson: to River	73	0	0	0	0	0	0	0	5,312	1,164	0	32	6,581
- Farmers-Stine-Anderson: from River	0	0	0	0	179	14,160	10,776	4,223	0	0	0	0	29,338
- Calloway Canal at Head	0	0	75	2,210	2,776	3,352	3,426	3,461	2,947	879	0	0	19,126
- River Loss: Rocky Point to Calloway Weir	272	0	895	1,054	1,316	1,250	1,083	1,139	908	285	0	32	8,234
= Calloway River Weir	5,069	0	0	0	0	305	0	244	1,778	0	0	0	7,396
+ CVC T.O. #4 to River	0	690	2,144	0	1,674	359	1,995	0	511	0	0	226	7,599
+ Truxtun Lake to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+ CVC T.O. #3 to River	0	1,025	2,747	0	0	0	0	0	0	0	0	0	3,772
+ Friant-Kern Inflow	0	0	0	0	0	0	0	0	0	0	296	281	577
- River Canal from River	653	0	216	0	0	0	0	0	0	0	0	0	869
- River Loss: Cally. Weir to River Canal Weir	2,350	1,715	4,372	0	1,674	664	1,995	244	2,289	0	296	507	16,106
= River Canal Weir	2,066	0	303	0	2,369								
+ Pioneer Turnout	653	28	226	0	0	4	67	0	0	0	0	0	978
- Rio Vista Lake	127	0	113	0	0	4	67	0	0	0	0	0	311
+ CVC T.O. #2 to River	343	1,430	2,636	0	282	67	341	0	107	0	0	0	5,206
- Rosedale Channel at Head	1,503	0	0	0	0	0	0	0	0	0	0	0	1,503
- North Lake Turnout	0	165	0	0	0	0	0	0	0	0	0	0	165
- Pioneer Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
- Berrenda Mesa Pipeline Turnout	218	0	2,027	0	0	0	0	0	0	0	0	0	2,245
- River Loss: River Canal to Bellevue Weir	944	601	914	0	282	67	341	0	107	0	0	0	3,256
= Flow at Bellevue Weir	270	692	111	0	1,073								
- River Loss: Bellevue Weir to ID#4 Boundary	119	541	111	0	0	0	0	0	0	0	0	0	771
- River Loss: ID#4 Boundary to 2800 Acres	151	151	0	0	0	0	0	0	0	0	0	0	302
+ CVC T.O. #1 to River	50	797	8,114	0	0	0	0	0	0	0	0	0	8,961
- River Canal Turnout to 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- Central Pioneer from 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- North Pioneer from 2800 Acres	0	0	2,005	0	0	0	0	0	0	0	0	0	2,005
- River Loss: 2800 Acres to Second Point	0	0	0	0	0	0	0	0	0	0	0	0	0
- 2800 Acre Recharge Facility	50	797	6,109	0	0	0	0	0	0	0	0	0	6,956
= Second Point via Kern River Channel	0												

CARRIER CANAL OPERATIONS CITY OF BAKERSFIELD

Year: 2004

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ Carrier Canal at Head	5,645	8,164	22,159	20,801	19,474	31,979	26,822	21,671	15,985	4,911	2,716	8,939	189,266
- Carrier Waste Gate	202	0	0	0	0	0	0	0	0	0	0	0	202
+ Oilfield Discharge	0	0	0	0	0	0	0	0	0	0	0	0	0
- Canal Refill	0	0	0	0	0	0	0	0	0	0	26	0	26
= Carrier Reclamation Weir	5,443	8,164	22,159	20,801	19,474	31,979	26,822	21,671	15,985	4,911	2,690	8,939	189,038
+ Storm Drain Inflow	4	18	0	0	0	0	0	0	0	75	0	32	129
- Eastside Canal at Head	60	0	1,390	1,831	1,987	2,444	2,241	1,537	785	10	0	0	12,285
- Kern Island Canal at Head	4,138	5,357	16,078	16,532	16,975	22,344	17,373	16,038	9,257	3,140	1,956	8,398	137,586
= Levee No. 1	1,249	2,825	4,691	2,438	512	7,191	7,208	4,096	5,943	1,836	734	573	39,296
- Farmers-Stine-Anderson: to River	73	0	0	0	0	0	0	0	5,312	1,164	0	32	6,581
+ Farmers-Stine-Anderson: from River	0	0	0	0	179	14,160	10,776	4,223	0	0	0	0	29,338
= Carrier Canal at Oak Street	1,176	2,825	4,691	2,438	691	21,351	17,984	8,319	631	672	734	541	62,053
- Stine Canal at Head	0	0	1,430	758	175	6,906	5,790	155	0	0	0	0	15,214
- Carrier to Truxtun Lakes	149	841	791	474	4	869	901	379	206	123	48	173	4,958
+ Truxtun Lakes to Carrier	149	841	791	397	4	873	988	379	0	60	48	173	4,683
- Arvin-Edison Turnout	0	0	0	0	0	0	0	0	0	0	0	0	0
- Total Carrier Canal Loss	341	708	690	490	355	1,082	904	541	425	488	502	341	6,867
+ River Canal from River	653	0	216	0	0	0	0	0	0	0	0	0	869
= River Canal at Stockdale Highway	1,488	2,117	2,787	1,113	161	13,367	11,357	7,623	0	121	232	200	40,566
- Buena Vista Canal at Head	835	2,089	2,561	1,113	161	6,026	4,487	0	0	121	232	200	17,825
- Pioneer Turnout	653	28	226	0	0	4	67	0	0	0	0	0	978
- James Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Pioneer Well Water Production	0	0	0	0	0	0	0	0	0	0	0	0	0
= River Canal at Alternate Second Point	0	0	0	0	0	7,337	6,803	7,623	0	0	0	0	21,763
+ 2800 Acre Well Water Production	0	0	0	0	1,632	2,525	3,381	3,038	554	0	1,610	527	13,267
+ Berrenda Mesa Well Water Production	0	0	0	0	0	0	0	0	0	0	589	0	589
+ Pioneer Well Water Production	0	0	0	0	0	0	0	0	1,985	2,820	1,309	0	6,114
+ KWB Well Water Production	0	0	0	0	0	0	0	1,387	2,107	2,149	980	0	6,623
- Kern Delta WD via River Canal	0	0	0	0	0	0	0	577	0	0	0	0	577
- KCWA via River Canal	0	0	0	0	0	454	1,381	2,023	4,092	4,969	2,878	0	15,797
- Henry Miller WD via River Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
- County of Kern	0	0	0	0	1,632	337	0	1,460	554	0	1,610	527	6,120
= Second Point Group Flow via River Canal	0	0	0	0	0	9,071	8,803	7,988	0	0	0	0	25,862

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

Quantities in acre-feet

Year: 2004

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	+ 1,004	990	21,640	18,152	19,640	16,392	2,873	0	0	70	0	171	80,932
Release	+ 226	160	376	0	83	0	0	0	0	803	1,190	977	3,815
ENTITLEMENT + OR - RELEASES	= 1,230	1,150	22,016	18,152	19,723	16,392	2,873	0	0	873	1,190	1,148	84,747
NKWSO to City	+ 3,342	0	0	0	0	0	0	0	0	0	0	0	3,342
From Reservoir Storage	+ 195	600	0	0	0	5,202	14,707	9,369	2,609	1,065	4	28	33,779
Into Reservoir Storage	- 160	79	15,376	8,916	7,772	3,933	0	0	0	0	1,217	96	37,549
Other	+ or - 0	0	26	0	0	0	0	0	0	0	1,150	6	1,182
TOTAL SUPPLY	= 4,607	1,671	6,666	9,236	11,951	17,661	17,580	9,369	2,609	1,938	1,127	1,086	85,501

County of Kern	39	32	68	89	118	154	187	175	136	99	62	38	1,197
Kern Valley Golf Course	0	2	8	11	28	33	35	34	22	7	0	0	180
California Water Service Company	1,009	918	1,158	1,546	1,589	1,655	1,814	1,630	1,583	1,154	824	862	15,742
Olcese Water District	7	8	30	77	125	126	138	119	102	57	22	22	833
North Kern WSD (Basic Contract)	0	0	0	0	0	0	0	0	0	0	0	0	20,000
North Kern WSD (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	112	147	259
North Kern WSD (Basic Contract)	0	0	0	0	0	0	0	0	0	0	0	0	0
Cawelo WD (Basic Contract)	0	0	2,474	2,926	5,400	4,080	1,578	286	0	0	0	0	16,744
Cawelo WD (Miscellaneous)	208	712	0	0	0	0	0	0	0	0	0	0	920
Kern-Tulare WD (Basic Contract)	0	0	1,740	2,905	3,558	3,153	844	212	0	0	0	0	12,412
Kern-Tulare WD (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0
Rag Gulch WD (Basic Contract)	0	0	260	436	534	473	127	32	0	0	0	0	1,862
Rag Gulch WD (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale RBWSD (Basic Contract)	3,342	0	0	0	0	0	0	0	0	0	0	0	3,342
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
Via Kern Island Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern County Water Agency	0	0	0	0	0	0	0	0	0	0	0	0	0
Improvement District No.4	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Delta Water District (Miscellaneous)	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Canal & Irrigating Co.	0	0	235	756	244	623	1,150	990	769	621	107	14	5,509
Truxtun Lakes	0	0	0	0	0	0	0	0	0	0	0	0	0
Glen Grundeis	0	0	0	0	0	0	0	0	0	0	0	0	0
Jack Jost	0	0	0	0	0	0	0	0	0	0	0	0	2
First Point Passing Second Point	0	0	0	0	0	0	0	0	0	0	0	0	0
2800 Acre Banking	0	0	0	0	0	0	0	0	0	0	0	0	0
River and Carrier Canal Loss	2	(1)	693	490	355	2,364	1,707	891	(3)	0	0	1	6,499
TOTAL DIVERTED	= 4,607	1,671	6,666	9,236	11,951	17,661	17,580	9,369	2,609	1,938	1,127	1,086	85,501

Into Reservoir Storage	160	79	15,376	8,916	7,772	3,933	0	0	0	0	1,217	96	37,549
Reservoir Evaporation Loss	136	91	398	751	1,179	1,495	1,475	1,107	898	451	251	151	8,383
From Reservoir Storage	195	600	0	0	0	5,202	14,707	9,369	2,609	1,065	4	28	33,779
End of Month Reservoir Storage	18,865	18,253	33,231	41,396	47,989	45,225	29,043	18,567	15,060	13,544	14,506	14,423	

CITY OF BAKERSFIELD
STATUS OF LONG TERM CONTRACTS

Quantities in acre-feet

Year	NORTH KERN WATER STORAGE DISTRICT			CAWELO WATER DISTRICT		
	Basic Contract Amount	Basic Contract Delivered	Basic Contract Balance	Basic Contract Amount	Basic Contract Delivered	Basic Contract Balance
1977	20,000	20,000	0	27,000	5,024	(21,976)
1978	20,000	40,000	0	27,000	35,404	(13,572)
1979	20,000	60,000	0	27,000	36,780	(3,782)
1980	20,000	80,000	0	27,000	30,792	0
1981	20,000	100,000	0	27,000	108,000	0
1982	20,000	120,000	0	27,000	135,000	0
1983	20,000	140,000	0	27,000	162,000	0
1984	20,000	160,000	0	27,000	189,000	0
1985	20,000	180,000	0	27,000	216,000	0
1986	20,000	200,000	0	27,000	243,000	0
1987	20,000	220,000	0	27,000	270,000	0
1988	20,000	240,000	0	27,000	297,000	0
1989	20,000	260,000	0	27,000	324,000	(14,179)
1990	20,000	280,000	0	27,000	351,000	(18,719)
1991	20,000	300,000	0	27,000	378,000	(27,996)
1992	20,000	320,000	(5,619)	27,000	405,000	(25,680)
1993	20,000	340,000	(1,919)	27,000	432,000	(23,812)
1994	20,000	360,000	(1,919)	27,000	459,000	(18,812)
1995	20,000	380,000	0	27,000	486,000	(22,052)
1996	20,000	400,000	0	27,000	513,000	(17,052)
1997	20,000	420,000	0	27,000	540,000	(12,052)
1998	20,000	440,000	0	27,000	567,000	(7,052)
1999	20,000	460,000	0	27,000	594,000	(2,052)
2000	20,000	480,000	0	27,000	621,000	0
2001	20,000	500,000	0	27,000	648,000	(11,330)
2002	20,000	520,000	0	27,000	675,000	(20,060)
2003	20,000	540,000	0	27,000	702,000	(19,945)
2004	20,000	560,000	0	27,000	729,000	(23,604)

Year	KERN-TULARE WATER DISTRICT			RAG GULCH WATER DISTRICT		
	Basic Contract Amount	Basic Contract Delivered	Basic Contract Balance	Basic Contract Amount	Basic Contract Delivered	Basic Contract Balance
1977	20,000	4,673	(15,327)	3,000	449	(2,551)
1978	20,000	23,690	(11,637)	3,000	3,999	(2,001)
1979	20,000	24,122	(7,515)	3,000	3,550	(1,451)
1980	20,000	23,403	(4,112)	3,000	3,550	(901)
1981	20,000	100,000	(412)	3,000	3,550	(351)
1982	20,000	20,412	0	3,000	3,351	0
1983	20,000	4,587	(15,413)	3,000	600	(2,400)
1984	20,000	160,000	(15,413)	3,000	21,000	(2,400)
1985	20,000	180,000	(15,413)	3,000	3,000	(2,400)
1986	20,000	200,000	(15,413)	3,000	3,000	(2,400)
1987	20,000	220,000	(15,413)	3,000	3,000	(2,400)
1988	20,000	240,000	(15,413)	3,000	3,000	(2,400)
1989	20,000	260,000	(11,763)	3,000	3,000	(2,400)
1990	20,000	280,000	(16,635)	3,000	1,764	(3,636)
1991	20,000	300,000	(22,985)	3,000	2,485	(4,141)
1992	20,000	320,000	(27,015)	3,000	0	(7,141)
1993	20,000	340,000	(32,985)	3,000	42,000	(7,141)
1994	20,000	360,000	(38,974)	3,000	3,000	(8,778)
1995	20,000	380,000	(44,984)	3,000	48,000	(7,384)
1996	20,000	400,000	(50,246)	3,000	4,394	(7,631)
1997	20,000	420,000	(55,754)	3,000	2,753	(5,638)
1998	20,000	440,000	(61,487)	3,000	57,000	(5,088)
1999	20,000	460,000	(67,487)	3,000	3,550	(4,538)
2000	20,000	480,000	(73,754)	3,000	3,550	(3,988)
2001	20,000	500,000	(80,287)	3,000	3,550	(3,438)
2002	20,000	520,000	(87,056)	3,000	3,000	(2,888)
2003	20,000	540,000	(94,056)	3,000	1,740	(2,338)
2004	20,000	560,000	(101,287)	3,000	75,000	(1,788)

CITY OF BAKERSFIELD
Deliveries to Long Term Contractors

Basic Contract

Year: 2004

Quantities in acre-feet

	NORTH KERN WSD		CAWELO WD		KERN-TULARE WD		RAG GULCH WD		MONTH TOTALS	
	Basic	Accum.	Basic	Accum.	Basic	Accum.	Basic	Accum.	Basic	Accum.
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	1) 2,486	2,486	1,740	1,740	260	260	4,486	4,486
April	0	0	2,926	5,412	2,905	4,645	436	696	6,267	10,753
May	0	0	5,400	10,812	3,558	8,203	534	1,230	9,492	20,245
June	5,000	5,000	4,080	14,892	3,153	11,356	473	1,703	12,706	32,951
July	10,000	15,000	1,578	16,470	844	12,200	127	1,830	12,549	45,500
August	5,000	20,000	286	16,756	212	12,412	32	1,862	5,530	51,030
September	0	20,000	1,985	18,741	0	12,412	0	1,862	1,985	53,015
October	0	20,000	3,347	22,088	0	12,412	0	1,862	3,347	56,362
November	0	20,000	1,253	23,341	0	12,412	0	1,862	1,253	57,615
December	0	20,000	0	23,341	0	12,412	0	1,862	0	57,615
Year Total	20,000		23,341		12,412		1,862		57,615	

Note: 1) Includes Isabella Reservoir evaporation loss attributable to unused contract.
2) Includes water delivered as per terms of City of Bakersfield/Cawelo Water District letter agreement dated April 29, 2004.

DISCHARGE IN CUBIC FEET PER SECOND **Year: 2004**
City of Bakersfield Diverted to North Kern WSD
(Basic Contract)
(Does not include deliveries into Isabella Reservoir storage)

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

City of Bakersfield Diverted to North Kern WSD
(Miscellaneous) Year: 2004

DISCHARGE IN CUBIC FEET PER SECOND

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	3
3	0	0	0	0	0	0	0	0	0	0	2	4
4	0	0	0	0	0	0	0	0	0	0	2	5
5	0	0	0	0	0	0	0	0	0	0	5	0
6	0	0	0	0	0	0	0	0	0	0	4	3
7	0	0	0	0	0	0	0	0	0	0	3	4
8	0	0	0	0	0	0	0	0	0	0	2	3
9	0	0	0	0	0	0	0	0	0	0	3	5
10	0	0	0	0	0	0	0	0	0	0	3	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	1
13	0	0	0	0	0	0	0	0	0	0	7	0
14	0	0	0	0	0	0	0	0	0	0	5	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	4	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	4
19	0	0	0	0	0	0	0	0	0	0	0	8
20	0	0	0	0	0	0	0	0	0	0	5	5
21	0	0	0	0	0	0	0	0	0	0	5	5
22	0	0	0	0	0	0	0	0	0	0	0	6
23	0	0	0	0	0	0	0	0	0	0	0	2
24	0	0	0	0	0	0	0	0	0	0	0	4
25	0	0	0	0	0	0	0	0	0	0	0	6
26	0	0	0	0	0	0	0	0	0	0	0	6
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	4	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	2	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	56	74
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	7	8
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	2	2
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	112	147
WHOLE YEAR:-	TOTAL,	130	MAX.,	8	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	259		

City of Bakersfield Diverted to North Kern WSD
(Non-Kern River) Year: 2004

DISCHARGE IN CUBIC FEET PER SECOND	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	2	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	1
19	0	0	0	0	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	1
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	1
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	2	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	2	0	0	5
MINIMUM DAY	0	0	0	0	0	0	0	0	2	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	4	0	0	0
WHOLE YEAR:-	TOTAL,	7	MAX.,	2	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	13		

CAWELO WATER DISTRICT OPERATIONS

Year: 2004

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+ Cawelo WD via Pump Station "B"	174	579	2,771	4,919	8,434	8,735	9,239	7,692	4,385	958	208	167	48,261
+ 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	14	220	206	208	270	121	175	10	0	1,224
+ 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	8	143	107	107	180	167	131	128	36	0	0	1,007
+ Lerdo Delivery Gate No. 8-0-25	0	0	46	28	73	93	83	79	42	83	14	0	541
+ Lerdo Delivery Gate No. 8-0-100	0	0	0	6	14	18	10	10	12	6	0	0	76
+ Lerdo Delivery Gate No. 8-0-288	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	20	34	121	123	147	206	210	204	91	65	18	16	1,255
+ Lerdo Delivery Gate No. 8-0-291	0	45	73	35	75	118	125	141	95	48	27	51	833
+ Lerdo Delivery Gate No. 8-0-292	0	4	8	18	22	28	28	26	20	12	2	0	168
+ Lerdo Delivery Gate No. 8-23-006	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Total Lerdo Gate Deliveries	20	91	391	331	658	849	831	861	509	425	71	67	5,104
+ Beardsley Canal Loss	12	34	54	60	61	60	61	61	60	61	28	30	582
+ Lerdo Loss	2	8	36	56	95	101	107	91	52	16	2	4	570
+ Total Loss	14	42	90	116	156	161	168	152	112	77	30	34	1,152
= Total Diverted for Cawelo WD	208	712	3,252	5,366	9,248	9,745	10,238	8,705	5,006	1,460	309	268	54,517

Cawelo Water District Source of Supply:

+ City of Bakersfield Basic Contract	0	0	2,474	2,926	5,400	4,080	1,578	286	0	0	0	0	16,744
+ City of Bakersfield Miscellaneous	208	712	0	0	0	0	0	0	0	0	0	0	920
+ City of Bakersfield Non-Kern River	0	0	0	0	0	0	0	0	4	0	0	0	4
+ Kern River Canal & Irrigating Company	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Sunview Vineyards Well	0	0	0	0	0	111	119	126	79	89	0	0	524
+ Paramount Farming Company Well	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Buena Vista WSD State Exchange	0	0	0	2,440	3,848	0	2,230	5,530	4,923	728	0	0	19,699
+ Henry Miller WD State Exchange	0	0	0	0	0	0	0	0	0	643	207	0	850
+ North Kern WSD Exchange	0	0	0	0	0	0	0	0	0	0	102	268	370
+ Improvement District #4 Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
+ via CVC Conduit "A"	0	0	778	0	0	5,554	6,311	2,763	0	0	0	0	15,406
+ North Kern WSD Non-Kern River	0	0	0	0	0	0	0	0	0	0	0	0	0
= Total Cawelo Water District Supply	208	712	3,252	5,366	9,248	9,745	10,238	8,705	5,006	1,460	309	268	54,517

DISCHARGE IN CUBIC FEET PER SECOND Cawelo Water District Total Diverted via Beardsley-Lerdo Canal System Year: 2004

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	23	65	150	155	182	146	136	35	5	0
2	0	0	0	63	120	185	182	154	122	33	7	0
3	0	0	0	63	156	146	136	155	125	28	2	0
4	0	23	9	62	175	143	114	162	89	27	2	0
5	0	27	9	34	172	164	130	156	85	33	0	0
6	0	27	0	35	142	156	146	128	93	32	0	0
7	0	27	0	52	139	181	176	123	160	30	0	3
8	0	23	29	90	142	187	184	121	166	32	0	3
9	0	23	32	83	137	157	185	124	135	31	0	3
10	0	24	60	82	175	170	128	165	136	26	0	3
11	0	0	54	82	135	177	122	179	69	27	0	3
12	0	7	52	96	139	167	165	196	69	31	0	0
13	0	0	51	126	141	161	182	169	72	31	0	25
14	0	0	42	126	145	181	199	145	163	34	0	25
15	0	0	52	120	162	180	207	123	112	34	0	25
16	0	12	47	116	160	204	150	142	96	34	2	26
17	0	10	46	117	176	175	141	156	96	28	5	4
18	0	10	44	116	141	145	137	156	52	32	7	3
19	23	0	51	123	138	141	200	149	51	33	7	0
20	23	0	52	124	150	128	196	150	47	33	0	0
21	23	0	50	92	167	156	194	123	48	31	0	0
22	24	0	59	89	164	153	171	100	50	7	4	3
23	0	0	100	79	158	173	174	138	43	8	26	0
24	0	24	91	40	115	176	163	139	46	8	23	0
25	0	25	106	39	104	155	148	142	29	8	22	0
26	0	24	103	46	111	138	151	142	33	9	22	0
27	0	24	103	90	165	137	181	124	51	8	22	3
28	0	24	116	156	194	153	201	99	50	9	0	3
29	6	25	122	149	155	183	201	95	50	8	0	3
30	6	-	68	150	153	186	160	144	50	8	0	0
31	0	-	68	-	182	-	156	144	-	8	-	0
TOTAL	105	359	1,639	2,705	4,663	4,913	5,162	4,389	2,524	736	156	135
MAXIMUM DAY	24	27	122	156	194	204	207	196	166	35	26	26
MINIMUM DAY	0	0	0	34	104	128	114	95	29	7	0	0
MEAN	3	12	53	90	150	164	167	142	84	24	5	4
TOTAL AC. FT.	208	712	3,252	5,366	9,248	9,745	10,238	8,705	5,006	1,460	309	268
WHOLE YEAR:-	TOTAL,	27,486	MAX.,	207	MIN.,	0	MEAN,	75	TOTAL AC.FT.,	54,517		

City of Bakersfield Diverted to Cawelo Water District
(Basic Contract)

Year: 2004

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	23	65	150	155	68	0	0	0	0	0
2	0	0	0	63	120	185	68	0	0	0	0	0
3	0	0	0	63	156	100	29	0	0	0	0	0
4	0	0	9	62	175	72	7	0	0	0	0	0
5	0	0	9	34	172	93	23	0	0	0	0	0
6	0	0	0	35	142	85	39	0	0	0	0	0
7	0	0	0	52	139	111	69	0	0	0	0	0
8	0	0	10	90	142	116	77	0	0	0	0	0
9	0	0	10	83	137	87	183	0	0	0	0	0
10	0	0	37	82	175	68	4	0	0	0	0	0
11	0	0	13	82	135	64	16	0	0	0	0	0
12	0	0	11	96	139	53	58	0	0	0	0	0
13	0	0	10	126	141	48	75	0	0	0	0	0
14	0	0	1	126	145	67	80	0	0	0	0	0
15	0	0	11	120	162	67	0	0	0	0	0	0
16	0	0	6	116	160	90	0	0	0	0	0	0
17	0	0	5	117	176	62	0	0	0	0	0	0
18	0	0	3	63	141	30	0	50	0	0	0	0
19	0	0	51	0	16	26	0	94	0	0	0	0
20	0	0	52	0	0	13	0	0	0	0	0	0
21	0	0	50	0	0	43	0	0	0	0	0	0
22	0	0	59	0	0	38	0	0	0	0	0	0
23	0	0	100	0	0	59	0	0	0	0	0	0
24	0	0	91	0	0	62	0	0	0	0	0	0
25	0	0	106	0	0	40	0	0	0	0	0	0
26	0	0	103	0	0	24	0	0	0	0	0	0
27	0	0	103	0	0	24	0	0	0	0	0	0
28	0	0	116	0	0	37	0	0	0	0	0	0
29	0	0	122	0	0	67	0	0	0	0	0	0
30	0	-	68	0	0	71	0	0	0	0	0	0
31	0	-	68	-	0	-	0	0	-	0	-	0
TOTAL	0	0	1,247	1,475	2,723	2,057	796	144	0	0	0	0
MAXIMUM DAY	0	0	122	126	176	185	183	94	0	0	0	0
MINIMUM DAY	0	0	0	0	0	13	0	0	0	0	0	0
MEAN	0	0	40	49	88	69	26	5	0	0	0	0
TOTAL AC. FT.	0	0	2,474	2,926	5,400	4,080	1,578	286	0	0	0	0
WHOLE YEAR:-	TOTAL,	8,442	MAX.,	185	MIN.,	0	MEAN,	23	TOTAL AC.FT.,	16,744		

City of Bakersfield Diverted for Cawelo Water District
 (Pursuant to terms of City/CWD Letter Agreement dated April 29, 2004) Year: 2004

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	48	46	0
2	0	0	0	0	0	0	0	0	0	48	47	0
3	0	0	0	0	0	0	0	0	0	47	47	0
4	0	0	0	0	0	0	0	0	0	48	47	0
5	0	0	0	0	0	0	0	0	0	45	47	0
6	0	0	0	0	0	0	0	0	0	43	47	0
7	0	0	0	0	0	0	0	0	0	43	47	0
8	0	0	0	0	0	0	0	0	0	46	46	0
9	0	0	0	0	0	0	0	0	20	64	46	0
10	0	0	0	0	0	0	0	0	50	75	46	0
11	0	0	0	0	0	0	0	0	49	82	46	0
12	0	0	0	0	0	0	0	0	49	91	46	0
13	0	0	0	0	0	0	0	0	49	93	46	0
14	0	0	0	0	0	0	0	0	45	93	28	0
15	0	0	0	0	0	0	0	0	43	93	0	0
16	0	0	0	0	0	0	0	0	43	46	0	0
17	0	0	0	0	0	0	0	0	42	46	0	0
18	0	0	0	0	0	0	0	0	43	46	0	0
19	0	0	0	0	0	0	0	0	43	46	0	0
20	0	0	0	0	0	0	0	0	46	46	0	0
21	0	0	0	0	0	0	0	0	48	42	0	0
22	0	0	0	0	0	0	0	0	48	44	0	0
23	0	0	0	0	0	0	0	0	48	46	0	0
24	0	0	0	0	0	0	0	0	48	46	0	0
25	0	0	0	0	0	0	0	0	48	46	0	0
26	0	0	0	0	0	0	0	0	48	46	0	0
27	0	0	0	0	0	0	0	0	48	44	0	0
28	0	0	0	0	0	0	0	0	48	44	0	0
29	0	0	0	0	0	0	0	0	48	46	0	0
30	0	-	0	0	0	0	0	0	48	46	0	0
31	0	-	0	-	0	-	0	0	47	47	0	0
TOTAL	0	0	0	0	0	0	0	0	1,001	1,687	632	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	50	93	47	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	42	0	0
MEAN	0	0	0	0	0	0	0	0	33	54	21	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	1,985	3,347	1,253	0
WHOLE YEAR:-	TOTAL,	3,320	MAX.,	93	MIN.,	0	MEAN,	9	TOTAL AC.FT.,	6,585		

City of Bakersfield Diverted to Cawelo Water District
(Miscellaneous)

Year: 2004

DISCHARGE IN CUBIC FEET PER SECOND

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	23	0	0	0	0	0	0	0	0	0	0
5	0	27	0	0	0	0	0	0	0	0	0	0
6	0	27	0	0	0	0	0	0	0	0	0	0
7	0	27	0	0	0	0	0	0	0	0	0	0
8	0	23	0	0	0	0	0	0	0	0	0	0
9	0	23	0	0	0	0	0	0	0	0	0	0
10	0	24	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	7	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	12	0	0	0	0	0	0	0	0	0	0
17	0	10	0	0	0	0	0	0	0	0	0	0
18	0	10	0	0	0	0	0	0	0	0	0	0
19	23	0	0	0	0	0	0	0	0	0	0	0
20	23	0	0	0	0	0	0	0	0	0	0	0
21	23	0	0	0	0	0	0	0	0	0	0	0
22	24	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	24	0	0	0	0	0	0	0	0	0	0
25	0	25	0	0	0	0	0	0	0	0	0	0
26	0	24	0	0	0	0	0	0	0	0	0	0
27	0	24	0	0	0	0	0	0	0	0	0	0
28	0	24	0	0	0	0	0	0	0	0	0	0
29	6	25	0	0	0	0	0	0	0	0	0	0
30	6	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	105	359	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	24	27	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	3	12	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	208	712	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	464	MAX.,	27	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	920		

DISCHARGE IN CUBIC FEET PER SECOND Year: 2004

City of Bakersfield Diverted to Cawelo Water District
(Non-Kern River)

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	2	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	2	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	2	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	4	0	0	0
WHOLE YEAR:-	TOTAL,	2	MAX.,	2	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	4		

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

Year: 2004

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	39	136	103	0	0
2	0	0	0	0	0	0	0	47	122	110	0	0
3	0	0	0	0	0	0	0	48	125	103	0	0
4	0	0	0	0	0	0	0	55	89	92	0	0
5	0	0	0	0	0	0	0	49	82	93	0	0
6	0	0	0	0	0	0	0	43	90	101	0	0
7	0	0	0	0	0	0	0	52	157	97	0	0
8	0	0	0	0	0	0	0	50	163	95	0	0
9	0	0	0	0	0	0	0	63	132	94	0	0
10	0	0	0	0	0	0	0	93	133	85	0	0
11	0	0	0	0	0	0	0	107	66	25	0	0
12	0	0	0	0	0	0	0	124	66	28	0	0
13	0	0	0	0	0	0	0	97	72	19	0	0
14	0	0	0	0	0	0	12	73	161	0	0	0
15	0	0	0	0	0	0	100	66	112	0	0	0
16	0	0	0	0	0	0	43	93	96	0	0	0
17	0	0	0	0	0	0	34	107	96	0	0	0
18	0	0	0	53	0	0	30	59	50	0	0	0
19	0	0	0	123	122	0	93	9	49	0	0	0
20	0	0	0	124	150	0	89	138	45	0	0	0
21	0	0	0	92	167	0	87	121	46	0	0	0
22	0	0	0	89	164	0	64	98	48	0	0	0
23	0	0	0	79	158	0	67	136	41	0	0	0
24	0	0	0	40	115	0	56	138	44	0	0	0
25	0	0	0	39	104	0	41	141	27	0	0	0
26	0	0	0	46	111	0	44	141	33	0	0	0
27	0	0	0	90	165	0	74	123	51	0	0	0
28	0	0	0	156	194	0	94	98	50	0	0	0
29	0	0	0	149	155	0	94	94	50	0	0	0
30	0	-	0	150	153	0	53	143	50	0	0	0
31	0	-	0	-	182	-	49	143	-	0	-	0
TOTAL	0	0	0	1,230	1,940	0	1,124	2,788	2,482	1,045	0	0
MAXIMUM DAY	0	0	0	156	194	0	100	143	163	110	0	0
MINIMUM DAY	0	0	0	0	0	0	0	9	27	0	0	0
MEAN	0	0	0	41	63	0	36	90	83	34	0	0
TOTAL AC. FT.	0	0	0	2,440	3,848	0	2,230	5,530	4,923	2,072	0	0
WHOLE YEAR:-	TOTAL,	10,609	MAX.,	194	MIN.,	0	MEAN,	29	TOTAL AC.FT.,	21,043		

Buena Vista WSD Diverted via Cawelo Water District
(Henry Miller WD/Cawelo WD Exchange)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2004

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	5	0
2	0	0	0	0	0	0	0	0	0	0	7	0
3	0	0	0	0	0	0	0	0	0	0	2	0
4	0	0	0	0	0	0	0	0	0	0	2	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	10	0	0
14	0	0	0	0	0	0	0	0	0	32	0	0
15	0	0	0	0	0	0	0	0	0	32	0	0
16	0	0	0	0	0	0	0	0	0	32	2	0
17	0	0	0	0	0	0	0	0	0	26	5	0
18	0	0	0	0	0	0	0	0	0	32	7	0
19	0	0	0	0	0	0	0	0	0	33	7	0
20	0	0	0	0	0	0	0	0	0	33	0	0
21	0	0	0	0	0	0	0	0	0	31	0	0
22	0	0	0	0	0	0	0	0	0	7	4	0
23	0	0	0	0	0	0	0	0	0	6	26	0
24	0	0	0	0	0	0	0	0	0	6	23	0
25	0	0	0	0	0	0	0	0	0	6	15	0
26	0	0	0	0	0	0	0	0	0	7	0	0
27	0	0	0	0	0	0	0	0	0	6	0	0
28	0	0	0	0	0	0	0	0	0	7	0	0
29	0	0	0	0	0	0	0	0	0	6	0	0
30	0	-	0	0	0	0	0	0	0	6	0	0
31	0	-	0	-	0	-	0	0	-	6	-	0
TOTAL	0	0	0	0	0	0	0	0	0	324	105	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	33	26	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	10	4	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	643	207	0
WHOLE YEAR:-	TOTAL,	429	MAX.,	33	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	850		

**RECAPITULATION OF CITY OF BAKERSFIELD DIVERSIONS FOR
KERN-TULARE AND RAG GULCH WATER DISTRICTS**

Quantities in acre-feet

Year: 2004

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+ Total Basic Contract Diverted	0	0	2,000	3,341	4,092	3,626	971	244	0	0	0	0	14,274
Kern-Tulare Water District	0	0	1,740	2,905	3,558	3,153	844	212	0	0	0	0	12,412
Rag Gulch Water District	0	0	260	436	534	473	127	32	0	0	0	0	1,862
+ Total Misc. Quantity Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern-Tulare Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
Rag Gulch Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
= Total Diverted	0	0	2,000	3,341	4,092	3,626	971	244	0	0	0	0	14,274

via Calloway Canal	0	0	75	2,210	2,776	3,352	897	0	0	0	0	0	9,310
River Transportation Loss/Spreading	0	0	895	1,054	1,316	274	74	244	0	0	0	0	3,857
Carrier Canal Recharge	0	0	0	77	0	0	0	0	0	0	0	0	77
via Berrenda Mesa Pipeline Turnout	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
via North Kern Water Storage District	0	0	1,030	0	0	0	0	0	0	0	0	0	1,030
Isabella Reservoir Evaporation Loss	0	0	0	0	0	0	0	0	0	0	0	0	0
- Total Diverted to I.D. #4	0	0	2,000	3,341	4,092	3,626	971	244	0	0	0	0	14,274
Kern-Tulare Water District	0	0	1,740	2,905	3,558	3,153	844	212	0	0	0	0	12,412
Rag Gulch Water District	0	0	260	436	534	473	127	32	0	0	0	0	1,862

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												
Kern-Tulare Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
Rag Gulch Water District	0	0	0	0	0	0	0	0	0	0	0	0	0

= Via North Kern Water Storage District	0												
Kern-Tulare Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
Rag Gulch Water District	0	0	0	0	0	0	0	0	0	0	0	0	0

City of Bakersfield Diverted for Kern-Tulare WD
(Kern-Tulare WD/Improvement District No. 4 Exchange)
(Basic Contract) Year: 2004

DISCHARGE IN CUBIC FEET PER SECOND	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	20	55	60	50	43	0	0	0	0	0
2	0	0	26	53	54	52	46	0	0	0	0	0
3	0	0	26	45	49	53	52	0	0	0	0	0
4	0	0	30	61	61	45	52	0	0	0	0	0
5	0	0	25	79	51	43	50	0	0	0	0	0
6	0	0	19	58	37	48	45	0	0	0	0	0
7	0	0	28	47	40	49	39	0	0	0	0	0
8	0	0	25	43	51	43	46	0	0	0	0	0
9	0	0	22	43	59	39	48	0	0	0	0	0
10	0	0	23	43	58	51	4	0	0	0	0	0
11	0	0	26	44	60	55	0	0	0	0	0	0
12	0	0	26	50	57	56	0	0	0	0	0	0
13	0	0	21	51	55	52	0	0	0	0	0	0
14	0	0	26	50	54	53	0	0	0	0	0	0
15	0	0	26	44	72	60	0	0	0	0	0	0
16	0	0	26	37	71	61	0	0	0	0	0	0
17	0	0	26	40	50	64	0	0	0	0	0	0
18	0	0	26	47	52	60	0	37	0	0	0	0
19	0	0	26	51	59	57	0	70	0	0	0	0
20	0	0	26	44	62	57	0	0	0	0	0	0
21	0	0	22	38	63	56	0	0	0	0	0	0
22	0	0	22	42	63	55	0	0	0	0	0	0
23	0	0	22	45	70	57	0	0	0	0	0	0
24	0	0	22	50	61	56	0	0	0	0	0	0
25	0	0	22	56	51	56	0	0	0	0	0	0
26	0	0	22	46	43	52	0	0	0	0	0	0
27	0	0	22	52	47	51	0	0	0	0	0	0
28	0	0	21	50	64	58	0	0	0	0	0	0
29	0	0	14	51	83	51	0	0	0	0	0	0
30	0	-	94	50	74	50	0	0	0	0	0	0
31	0	-	95	-	63	-	0	0	-	0	-	0
TOTAL	0	0	877	1,465	1,794	1,590	425	107	0	0	0	0
MAXIMUM DAY	0	0	95	79	83	64	52	70	0	0	0	0
MINIMUM DAY	0	0	14	37	37	39	0	0	0	0	0	0
MEAN	0	0	28	49	58	53	14	3	0	0	0	0
TOTAL AC. FT.	0	0	1,740	2,905	3,558	3,153	844	212	0	0	0	0
WHOLE YEAR:-	TOTAL,	6,258	MAX.,	95	MIN.,	0	MEAN,	17	TOTAL AC.FT.,	12,412	0	0

City of Bakersfield Diverted for Rag Gulch WD
(Rag Gulch WD/Improvement District No. 4 Exchange)
(Basic Contract)

Year: 2004

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	3	8	9	8	7	0	0	0	0	0
2	0	0	4	8	8	8	7	0	0	0	0	0
3	0	0	4	7	7	8	8	0	0	0	0	0
4	0	0	4	4	9	7	8	0	0	0	0	0
5	0	0	4	11	8	6	7	0	0	0	0	0
6	0	0	3	8	6	7	7	0	0	0	0	0
7	0	0	4	7	6	7	5	0	0	0	0	0
8	0	0	4	6	8	7	7	0	0	0	0	0
9	0	0	3	6	9	5	7	0	0	0	0	0
10	0	0	3	7	9	8	1	0	0	0	0	0
11	0	0	4	7	9	8	0	0	0	0	0	0
12	0	0	4	8	8	8	0	0	0	0	0	0
13	0	0	3	8	8	8	0	0	0	0	0	0
14	0	0	4	7	8	8	0	0	0	0	0	0
15	0	0	4	7	11	9	0	0	0	0	0	0
16	0	0	4	6	11	9	0	0	0	0	0	0
17	0	0	4	6	7	9	0	0	0	0	0	0
18	0	0	4	7	8	9	0	6	0	0	0	0
19	0	0	4	8	9	8	0	10	0	0	0	0
20	0	0	4	7	9	9	0	0	0	0	0	0
21	0	0	3	6	9	8	0	0	0	0	0	0
22	0	0	3	6	9	8	0	0	0	0	0	0
23	0	0	3	7	11	9	0	0	0	0	0	0
24	0	0	3	7	9	8	0	0	0	0	0	0
25	0	0	3	8	8	8	0	0	0	0	0	0
26	0	0	3	7	6	8	0	0	0	0	0	0
27	0	0	3	8	7	8	0	0	0	0	0	0
28	0	0	3	7	10	9	0	0	0	0	0	0
29	0	0	2	8	12	8	0	0	0	0	0	0
30	0	-	15	8	12	8	0	0	0	0	0	0
31	0	-	15	-	9	-	0	0	-	0	-	0
TOTAL	0	0	131	220	269	238	64	16	0	0	0	0
MAXIMUM DAY	0	0	15	11	12	9	8	10	0	0	0	0
MINIMUM DAY	0	0	2	6	6	5	0	0	0	0	0	0
MEAN	0	0	4	7	9	8	2	1	0	0	0	0
TOTAL AC. FT.	0	0	260	436	534	473	127	32	0	0	0	0
WHOLE YEAR:-	TOTAL,	938	MAX.,	15	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	1,862		

IMPROVEMENT DISTRICT NO. 4
KERN RIVER SUPPLY AND DIVERSION RECAP
(Does not include deliveries into Isabella Reservoir storage)

YEAR: 2004

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+ Treatment Plant via Calloway Canal	0	0	0	1984	2538	3104	3122	3183	2691	807	0	0	17429
+ Calloway Canal Operational Losses	0	0	30	216	236	248	288	256	220	64	0	0	1558
+ Calloway Canal Below "99"	0	0	45	10	2	0	16	22	36	8	0	0	139
+ 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	0	75	2210	2776	3352	3426	3461	2947	879	0	0	19126
+ 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
+ Truxtun Lakes	0	0	0	77	0	0	0	0	206	63	0	0	346
+ Anvin-Edison WSD Turnout	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	425	117	0	0	542
+ Sub-total via Carrier Canal	0	0	0	77	0	0	0	0	631	180	0	0	888
+ River Loss/Spdg. Above Cally, Weir	268	0	895	1054	1316	274	278	790	908	285	0	0	6068
+ River Spreading Below Cally, Weir	3439	0	0	0	0	0	0	244	1778	0	0	0	5461
+ Sub-total River Loss/Spreading	3707	0	895	1054	1316	274	278	1034	2686	285	0	0	11529
+ Via Pioneer North	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Rio Vista Lake	127	0	0	0	0	0	0	0	0	0	0	0	127
+ Via Berrinda Mesa Pipeline	0	0	0	0	0	0	0	0	0	0	0	0	0
+ For North Kern WSD (2004 Balanced Exchange)	0	0	1030	0	0	0	0	0	0	0	0	0	1030
+ Via Cawelo Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
= Improvement District #4 Total Diverted	3834	0	2000	3341	4092	3626	3704	4495	6264	1344	0	0	32700
+ Kern-Tulare WD Basic Contract	0	0	1740	2905	3558	3153	844	212	0	0	0	0	12412
+ Rag Gulch WD Basic Contract	0	0	260	436	534	473	127	32	0	0	0	0	1862
+ Sub-total K-TWD/RGWD Basic Contract	0	0	2000	3341	4092	3626	971	244	0	0	0	0	14274
+ Kern-Tulare WD 2004 Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Rag Gulch WD 2004 Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Sub-total K-TWD/RGWD '04 Misc.	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 Miscellaneous	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")	1995	0	0	0	0	0	0	0	0	0	0	0	1995
+ North Kern WSD Exchange (Category "B")	0	0	0	0	0	0	627	0	0	0	0	0	627
+ North Kern WSD Exchange (2004 Balanced Exchange)	1839	0	0	0	0	0	2106	0	2619	0	0	0	4725
+ Rosedale RBWSD Exchange	0	0	0	0	0	0	0	0	0	0	0	0	1839
+ BVWSD SWP Exchange	0	0	0	0	0	0	0	4251	749	0	0	0	5000
+ BVWSD 2800 Acre Well Exchange	0	0	0	0	0	0	0	0	2471	0	0	0	2471
+ Kern Delta WD Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Cawelo WD Exchange	0	0	0	0	0	0	0	0	425	1344	0	0	1769
+ Lake Isabella Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
= Improvement District #4 Total Supply	3834	0	2000	3341	4092	3626	3704	4495	6264	1344	0	0	32700

Year: 2004

Total Flow via the Rosedale Channel at Head (All Sources)
(Diverted from Kern River Channel)

DISCHARGE IN CUBIC FEET PER SECOND

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	55	0	0	0	0	0	0	0	0	0	0	0
6	90	0	0	0	0	0	0	0	0	0	0	0
7	145	0	0	0	0	0	0	0	0	0	0	0
8	137	0	0	0	0	0	0	0	0	0	0	0
9	117	0	0	0	0	0	0	0	0	0	0	0
10	109	0	0	0	0	0	0	0	0	0	0	0
11	105	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	758	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	145	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	24	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	1,503	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	758	MAX.,	145	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,503		

ROSEDALE RIO BRAVO WATER STORAGE DISTRICT
Hydrographic and Accounting Report by City of Bakersfield

Quantities in acre-feet

Year: 2004

1	2	3	4	5	6	7	8	9		10	11			12	13
								(g)			(h)				
(a)	(b)	(c)	(d)	(e)	Total Kern River Delivered	(f)		(g)		Miscellaneous acre-feet Sold at \$21.00	(h)				
Friant- Kern Inflow	Friant- Kern Delivered	SWP Inflow	SWP Delivered	River Canal Transportation Charge on Column 2		No Charge (1st 4000) acre-feet	acre-feet Sold at \$1.00	acre-feet Sold at \$6.00	acre-feet Sold at \$21.00		Kern River Floodwater	Friant- Kern Floodwater	A-EWSD Exchange		
January	0	0	0	0	3,342	3,342	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
March	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
May	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
July	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
September	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
November	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
Total	0	0	0	0	3,342	3,342	0	0	0	0	0	0	0	0	0

4.525	=	Current Escalator	=	4.525
	=	Totals	=	
				(per 1961 Agreement)

169	2003
1,946	2002
795	2001
758	2000

3,668	0	Five Year Totals
734	0	Five Year Averages
2,403	2,403	Current Escalator
\$14.42	\$50.46	Current Price per acre-foot
\$10,584.28	\$0.00	Five Year Average Sales

- 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.

May 31, 2005 Payment
 \$10,584.28

ROSEDALE RBWSD DIVERSION RECAPITULATION

Quantities in acre-feet

Does not include deliveries off the Cross Valley Canal....

YEAR: 2004

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Rosedale Channel at Headgate	+	1,503	0	0	0	0	0	0	0	0	0	0	1,503
City to Bolthouse Farms	-	0	0	0	0	0	0	0	0	0	0	0	0
for Rosedale RBWSD	=	1,503	0	1,503									
- City Contract Water		1,503	0	0	0	0	0	0	0	0	0	0	1,503
= Other Water		0	0	0	0	0	0	0	0	0	0	0	0
via 2800 Acres to South Pioneer	+	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
Central Pioneer	+	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
2800 Acre Spreading (Net)	+	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
For Improvement District #4	+	1,839	0	0	0	0	0	0	0	0	0	0	1,839
Total Diverted	=	3,342	0	3,342									

City of Bakersfield Basic Contract	+	3,342	0	0	0	0	0	0	0	0	0	0	3,342
City of Bakersfield Miscellaneous	+	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
Buena Vista WSD Purchase	+	0	0	0	0	0	0	0	0	0	0	0	0
Improvement District #4	+	0	0	0	0	0	0	0	0	0	0	0	0
Arvin-Edison WSD Exchange	+	0	0	0	0	0	0	0	0	0	0	0	0
Total Supply	=	3,342	0	3,342									

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)

- (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.

CITY OF BAKERSFIELD
STATUS OF MISCELLANEOUS WATER DELIVERIES
TO ROSEDALE RIO BRAVO WATER STORAGE DISTRICT

Year: 2004

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
City Entitlement + or - Release	1,230	1,150	22,016	18,152	19,723	16,392	2,873	0	0	873	1,190	1,148	84,747
Lake Ming	16	16	44	60	77	105	127	121	91	65	42	26	790
North Kern Water Storage District	0	0	0	0	0	5,000	10,000	5,000	0	0	0	0	20,000
Cawelo Water District	0	0	2,486	2,926	5,400	4,080	1,578	286	1,985	3,347	1,253	0	23,341
Kern-Tulare Water District	0	0	1,740	2,905	3,558	3,153	844	212	0	0	0	0	12,412
Rag Gulch Water District	0	0	260	436	534	473	127	32	0	0	0	0	1,862
Rosedale Rio Bravo WSD	3,342	0	0	0	0	0	0	0	0	0	0	0	3,342
Kern River Canal & Irrigating Co.	0	0	235	756	244	623	1,150	990	769	621	107	14	5,509
Truxtun Lakes	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
Transportation Loss Assignment	0	0	0	0	0	0	0	0	0	0	0	0	0
Isabella Reservoir Loss	136	91	386	751	1,179	1,495	1,475	1,107	898	451	251	151	8,371
River Transportation Loss	2	(1)	693	490	355	2,364	1,707	891	(3)	0	0	1	6,499
Total Basic Commitments	3,496	106	5,844	8,324	11,347	17,293	17,008	8,639	3,740	4,484	1,653	192	82,126

Total City Miscellaneous Water.....	2,621
Rosedale Rio Bravo WSD 1/3 Share.....	874

Misc. Water Delivered to RRBWSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Del. under Art.11, Sec. 2.1 (i)(7)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Misc. Delivered to RRBWSD	0												

Over (Under) City Miscellaneous Water Obligation.....	(874)
Prior Year Miscellaneous Water Delivery Balance.....	(15,808)
Cumulative Miscellaneous Water Delivery Balance.....	(16,682)

STATUS OF CONTRACT

ROSEDALE-RIO BRAVO WATER STORAGE DISTRICT

Cumulative Miscellaneous Water Balance Pursuant to June 6, 1976 Agreement No. 76-80

Quantities in acre-feet

Year	(A) TOTAL CITY MISCELLANEOUS WATER	(B) RRBWS 1/3 SHARE OF MISC.	(C) MISC. WATER DELIVERED TO RRBWS (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)

Notes:

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

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

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

KERN RIVER CANAL & IRRIGATING COMPANY
CITY OF BAKERSFIELD

Year: 2004

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	0	0	1,304	478	1,333	640	0	0	0	0	0	0	3,755
Release	0	0	0	0	0	0	0	0	0	0	0	0	0
ENTITLEMENT + OR - RELEASE	0	0	1,304	478	1,333	640	0	0	0	0	0	0	3,755
Oilfield Discharge	0	0	54	0	0	0	0	0	155	0	0	0	209
From City of Bakersfield	0	0	235	756	244	623	1,150	990	769	621	107	14	5,509
From NKWSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Into Isabella Storage	0	0	359	20	283	75	0	0	0	0	0	0	737
From Isabella Storage	46	438	498	375	279	75	0	0	0	0	0	0	1,711
To City of Bakersfield	0	0	26	0	0	0	0	0	0	0	0	0	26
To NKWSD in Isabella Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED AT HEAD	46	438	1,706	1,589	1,573	1,263	1,150	990	924	621	107	14	10,421
Irrigation Deliveries	34	370	1,161	1,293	1,034	921	981	833	776	515	73	9	8,000
NKWSD at Seventh Standard Line	0	0	391	143	401	192	0	0	0	0	0	0	1,127
Cawelo WD at Pump Station "B"	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	12	68	154	153	138	150	169	157	148	106	34	5	1,294
Irrigation Delivery Percentage	74%	84%	91%	90%	91%	88%	85%	84%	84%	83%	68%	64%	88%

Into Isabella Storage	0	0	359	20	283	75	0	0	0	0	0	0	737
Isabella Evaporation Loss	8	4	2	2	4	0	0	0	0	0	0	0	20
From Isabella Storage	46	438	498	375	279	75	0	0	0	0	0	0	1,711
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
End of Month Isabella Storage	940	498	357	0									

SOUTH FORK DIVERSION RIGHT SUMMARY

Quantities in acre-feet

Year: 2004

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	494	512	127	153	214	111	0	0	0	32	0	87	1,730
Release	(494)	(385)	0	0	30	0	0	0	0	346	124	(87)	(466)
Entitlement + or - Releases	0	127	127	153	244	111	0	0	0	378	124	0	1,264
Into Isabella Storage	0	127	127	153	230	101	0	0	0	378	124	0	1,240
From Isabella Storage	0	0	0	0	0	6	32	20	32	0	0	0	90
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries	0	0	0	0	14	16	32	20	32	0	0	0	114
Old South Fork	0	0	0	0	0	0	0	0	0	0	0	0	0
Panama Ranch	0	0	0	0	14	16	32	20	32	0	0	0	114

Into Isabella Storage	0	127	127	153	230	101	0	0	0	378	124	0	1,240
From Isabella Storage	0	0	0	0	0	6	32	20	32	0	0	0	90
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	1,150	0	1,150
End of Month Isabella Storage	600	727	854	1,007	1,237	1,332	1,300	1,280	1,248	1,626	600	600	

Year: 2004

City of Bakersfield Diverted to California Water Service Company

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	19	18	13	24	27	23	28	29	27	21	14	13
2	15	18	17	24	26	25	28	29	36	26	14	14
3	11	15	15	24	27	26	30	29	21	25	13	15
4	15	14	14	24	26	27	33	29	30	24	15	14
5	17	15	14	27	29	26	29	28	23	21	14	14
6	17	14	17	33	26	27	25	30	28	22	14	13
7	14	14	20	33	25	25	34	29	28	20	15	15
8	18	14	20	32	24	26	31	29	29	26	13	15
9	15	19	0	32	25	25	30	29	32	17	13	14
10	14	18	26	32	25	26	28	26	30	23	14	13
11	13	17	22	32	26	27	29	25	29	21	14	14
12	17	17	21	26	28	27	30	28	27	25	15	14
13	17	16	20	26	30	27	28	23	27	23	12	14
14	18	17	19	23	30	27	29	17	25	23	15	13
15	17	17	20	17	27	27	30	16	24	19	15	14
16	14	19	23	17	18	27	29	20	29	25	13	14
17	16	19	18	22	27	28	30	21	27	20	13	16
18	16	17	22	17	21	28	30	20	24	15	14	15
19	20	14	20	13	22	27	30	31	24	19	13	11
20	20	15	20	25	22	24	29	27	25	14	15	14
21	13	15	20	25	26	31	28	29	24	14	13	14
22	17	13	22	25	26	29	28	30	26	15	15	14
23	17	16	22	25	26	28	32	29	26	14	14	16
24	16	17	19	25	26	40	29	28	22	12	11	15
25	19	16	21	25	26	26	31	28	26	15	13	14
26	17	16	17	25	26	32	30	27	27	13	15	13
27	17	15	21	33	26	31	30	27	25	13	14	14
28	17	14	18	33	26	32	29	26	27	15	14	14
29	15	14	21	31	26	31	28	28	24	13	14	13
30	21	-	21	29	28	29	30	27	26	15	15	14
31	17	-	21	-	28	-	29	28	-	14	-	15
TOTAL	509	463	584	779	801	834	914	822	798	582	416	435
MAXIMUM DAY	21	19	26	33	30	40	34	31	36	26	15	16
MINIMUM DAY	11	13	0	13	18	23	25	16	21	12	11	11
MEAN	16	16	19	26	26	28	29	27	27	19	14	14
TOTAL AC. FT.	1,009	918	1,158	1,546	1,589	1,655	1,814	1,630	1,583	1,154	824	862
WHOLE YEAR:-	TOTAL,	7,937	MAX.,	40	MIN.,	0	MEAN,	22	TOTAL AC.FT.,	15,742		

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: 2004

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	2	2	2	2	2	1	0	0
2	0	0	0	0	2	2	3	2	2	1	1	1
3	0	0	0	0	2	2	2	2	2	1	0	0
4	0	0	0	1	3	2	2	2	2	1	1	0
5	0	1	0	1	2	2	3	2	1	1	0	1
6	0	0	0	2	2	2	2	2	2	1	1	0
7	0	0	0	1	2	3	2	2	2	1	0	0
8	0	0	0	1	2	2	2	2	1	1	0	1
9	0	0	0	2	2	2	3	2	2	1	1	0
10	0	0	1	1	2	2	2	2	2	1	0	1
11	0	0	1	1	2	2	2	2	1	1	0	0
12	0	1	0	2	2	2	2	1	2	1	1	0
13	0	0	1	1	2	2	3	2	2	1	0	1
14	0	0	1	2	2	2	2	2	1	1	0	0
15	0	0	0	1	2	2	2	2	2	1	1	0
16	0	0	1	2	2	2	2	2	2	1	0	1
17	0	1	1	1	2	2	3	2	1	1	0	0
18	0	0	0	2	2	3	2	2	2	1	1	0
19	0	0	1	1	2	2	2	2	2	0	0	1
20	0	0	1	2	2	2	2	2	1	1	0	0
21	1	0	0	1	2	2	3	2	2	1	1	0
22	1	0	1	2	2	2	2	2	2	1	0	1
23	0	0	1	1	2	2	2	2	2	1	0	0
24	0	1	0	2	2	2	2	2	1	1	0	0
25	0	0	1	1	2	2	3	1	2	1	1	0
26	0	0	1	2	2	2	2	2	1	0	0	0
27	1	0	0	1	2	2	2	2	2	1	1	1
28	0	0	1	2	2	3	2	2	2	1	0	0
29	0	0	1	1	2	2	3	2	1	1	0	0
30	0	-	0	2	2	2	2	2	2	1	1	1
31	0	-	1	-	2	-	2	2	-	1	-	0
TOTAL	3	4	15	39	63	63	70	60	51	29	11	11
MAXIMUM DAY	1	1	1	2	3	3	3	2	2	1	1	1
MINIMUM DAY	0	0	0	0	2	2	2	1	1	0	0	0
MEAN	0	0	0	1	2	2	2	2	2	1	0	0
TOTAL AC. FT.	7	8	30	77	125	126	138	119	102	57	22	22
WHOLE YEAR:-	TOTAL,	419	MAX.,	3	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	833		

Year: 2004

City of Bakersfield Diverted to Kern Valley Golf Course

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	1	0	0	0	0	0	0
2	0	0	0	1	1	0	1	1	1	0	0	0
3	0	0	0	0	0	1	0	0	0	1	0	0
4	0	0	0	0	0	0	1	1	1	0	0	0
5	0	0	0	0	1	1	0	0	0	0	0	0
6	0	0	0	1	0	1	1	1	1	0	0	0
7	0	0	0	0	0	0	1	0	0	1	0	0
8	0	0	0	0	1	1	0	1	0	0	0	0
9	0	0	0	0	0	0	1	1	1	0	0	0
10	0	0	0	0	0	1	0	1	0	0	0	0
11	0	0	0	1	1	0	1	1	0	1	0	0
12	0	0	0	0	0	1	0	0	1	0	0	0
13	0	0	1	0	1	1	1	1	0	0	0	0
14	0	0	0	0	0	0	1	0	0	0	0	0
15	0	1	0	0	1	1	0	1	1	0	0	0
16	0	0	0	0	0	0	1	0	0	0	0	0
17	0	0	0	0	1	1	0	1	0	0	0	0
18	0	0	0	0	0	0	1	0	1	0	0	0
19	0	0	1	0	1	1	0	1	0	0	0	0
20	0	0	0	1	0	0	1	0	0	0	0	0
21	0	0	0	0	1	1	1	1	1	0	0	0
22	0	0	0	0	0	1	0	0	0	0	0	0
23	0	0	0	1	1	0	1	1	0	0	0	0
24	0	0	1	0	0	1	0	1	1	0	0	0
25	0	0	0	0	1	0	1	0	0	0	0	0
26	0	0	0	1	0	1	0	1	0	0	0	0
27	0	0	0	0	1	0	1	0	1	0	0	0
28	0	0	0	0	0	1	1	1	0	0	0	0
29	0	0	0	0	1	1	0	0	0	0	0	0
30	0	-	0	0	0	0	1	1	1	0	0	0
31	0	-	1	-	1	-	1	1	-	0	-	0
TOTAL	0	1	4	6	14	17	18	17	11	3	0	0
MAXIMUM DAY	0	1	1	1	1	1	1	1	1	1	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	1	1	1	0	0	0	0
TOTAL AC. FT.	0	2	8	11	28	33	35	34	22	7	0	0
WHOLE YEAR:-	TOTAL,	91	MAX.,	1	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	180		

City of Bakersfield 2800 Acre Well Water Diverted to County of Kern
 (Pursuant to City/County Letter Agreement dated April 19, 2004) Year: 2004

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	43	0	0	43	0	0	41
2	0	0	0	0	0	43	0	0	43	0	0	41
3	0	0	0	0	0	42	0	0	42	0	0	40
4	0	0	0	0	0	42	0	0	42	0	0	40
5	0	0	0	0	0	0	0	0	42	0	0	40
6	0	0	0	0	0	0	0	0	42	0	0	40
7	0	0	0	0	0	0	0	0	25	0	0	24
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	23	0
10	0	0	0	0	0	0	0	0	0	0	37	0
11	0	0	0	0	0	0	0	0	0	0	37	0
12	0	0	0	0	24	0	0	0	0	0	36	0
13	0	0	0	0	41	0	0	0	0	0	36	0
14	0	0	0	0	43	0	0	0	0	0	36	0
15	0	0	0	0	43	0	0	0	0	0	37	0
16	0	0	0	0	43	0	0	44	0	0	38	0
17	0	0	0	0	43	0	0	47	0	0	39	0
18	0	0	0	0	42	0	0	50	0	0	39	0
19	0	0	0	0	42	0	0	51	0	0	39	0
20	0	0	0	0	42	0	0	51	0	0	39	0
21	0	0	0	0	42	0	0	47	0	0	40	0
22	0	0	0	0	42	0	0	49	0	0	40	0
23	0	0	0	0	42	0	0	49	0	0	40	0
24	0	0	0	0	42	0	0	47	0	0	40	0
25	0	0	0	0	42	0	0	43	0	0	36	0
26	0	0	0	0	42	0	0	43	0	0	34	0
27	0	0	0	0	42	0	0	43	0	0	34	0
28	0	0	0	0	42	0	0	43	0	0	34	0
29	0	0	0	0	42	0	0	43	0	0	37	0
30	0	-	0	0	41	0	0	43	0	0	41	0
31	0	-	0	-	41	-	0	43	-	0	-	0
TOTAL	0	0	0	0	823	170	0	736	279	0	812	266
MAXIMUM DAY	0	0	0	0	43	43	0	51	43	0	41	41
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	27	6	0	24	9	0	27	9
TOTAL AC. FT.	0	0	0	0	1,632	337	0	1,460	554	0	1,610	527
WHOLE YEAR:-	TOTAL,	3,086	MAX.,	51	MIN.,	0	MEAN,	8	TOTAL AC.FT.,	6,120		

Total Water Spread in City of Bakersfield's 2800 Acre Recharge Facility
(All Sources, All Entities) Year: 2004

DISCHARGE IN CUBIC FEET PER SECOND

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	289	0	0	0	0	0	0	0	0	0
9	0	0	265	0	0	0	0	0	0	0	0	0
10	0	0	173	0	0	0	0	0	0	0	0	0
11	0	0	149	0	0	0	0	0	0	0	0	0
12	0	0	138	0	0	0	0	0	0	0	0	0
13	0	0	115	0	0	0	0	0	0	0	0	0
14	0	0	127	0	0	0	0	0	0	0	0	0
15	0	0	218	0	0	0	0	0	0	0	0	0
16	0	0	282	0	0	0	0	0	0	0	0	0
17	0	0	201	0	0	0	0	0	0	0	0	0
18	0	0	251	0	0	0	0	0	0	0	0	0
19	0	0	289	0	0	0	0	0	0	0	0	0
20	25	0	249	0	0	0	0	0	0	0	0	0
21	0	0	255	0	0	0	0	0	0	0	0	0
22	0	0	4	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	65	0	0	0	0	0	0	0	0	0	0
27	0	146	0	0	0	0	0	0	0	0	0	0
28	0	141	43	0	0	0	0	0	0	0	0	0
29	0	50	32	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	25	402	3,080	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	25	146	289	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	14	99	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	50	797	6,109	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	3,507	MAX.,	289	MIN.,	0	MEAN,	10	TOTAL AC.FT.,	6,956		

DISCHARGE IN CUBIC FEET PER SECOND Year: 2004
 Total Flow via the Berrenda Mesa Pipeline at Head

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	38	0	0	0	0	0	0	0	0	0
10	0	0	68	0	0	0	0	0	0	0	0	0
11	0	0	79	0	0	0	0	0	0	0	0	0
12	0	0	73	0	0	0	0	0	0	0	0	0
13	0	0	75	0	0	0	0	0	0	0	0	0
14	0	0	86	0	0	0	0	0	0	0	0	0
15	0	0	83	0	0	0	0	0	0	0	0	0
16	11	0	82	0	0	0	0	0	0	0	0	0
17	43	0	83	0	0	0	0	0	0	0	0	0
18	47	0	82	0	0	0	0	0	0	0	0	0
19	9	0	82	0	0	0	0	0	0	0	0	0
20	0	0	85	0	0	0	0	0	0	0	0	0
21	0	0	83	0	0	0	0	0	0	0	0	0
22	0	0	23	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	110	0	1,022	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	47	0	86	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	4	0	33	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	218	0	2,027	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,132	MAX.,	86	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	2,245		

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

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2004

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	289	0	0	0	0	0	0	0	0	0
9	0	0	292	0	0	0	0	0	0	0	0	0
10	0	0	269	0	0	0	0	0	0	0	0	0
11	0	0	224	0	0	0	0	0	0	0	0	0
12	0	0	198	0	0	0	0	0	0	0	0	0
13	0	0	177	0	0	0	0	0	0	0	0	0
14	0	0	193	0	0	0	0	0	0	0	0	0
15	0	0	293	0	0	0	0	0	0	0	0	0
16	0	0	362	0	0	0	0	0	0	0	0	0
17	0	0	290	0	0	0	0	0	0	0	0	0
18	0	0	302	0	0	0	0	0	0	0	0	0
19	0	0	367	0	0	0	0	0	0	0	0	0
20	25	0	367	0	0	0	0	0	0	0	0	0
21	0	0	373	0	0	0	0	0	0	0	0	0
22	0	0	20	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	65	0	0	0	0	0	0	0	0	0	0
27	0	146	0	0	0	0	0	0	0	0	0	0
28	0	141	43	0	0	0	0	0	0	0	0	0
29	0	50	32	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	25	402	4,091	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	25	146	373	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	14	132	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	50	797	8,114	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	4,518	MAX.,	373	MIN.,	0	MEAN,	12	TOTAL AC.FT.,	8,961		

Cross Valley Canal - Turnout #2 to Kern River Channel
(As reported by Kern County Water Agency) Year: 2004

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	16	27	0	30	0	0	0
2	0	0	0	0	0	0	27	0	24	0	0	0
3	0	0	0	0	0	0	28	0	0	0	0	0
4	0	0	0	0	0	0	27	0	0	0	0	0
5	0	18	0	0	0	0	26	0	0	0	0	0
6	0	26	0	0	0	0	27	0	0	0	0	0
7	0	27	0	0	0	0	10	0	0	0	0	0
8	0	26	69	0	0	0	0	0	0	0	0	0
9	0	27	70	0	0	0	0	0	0	0	0	0
10	0	27	78	0	0	0	0	0	0	0	0	0
11	0	27	103	0	0	0	0	0	0	0	0	0
12	0	27	83	0	0	0	0	0	0	0	0	0
13	0	27	76	0	0	0	0	0	0	0	0	0
14	0	27	99	0	0	0	0	0	0	0	0	0
15	0	26	93	0	0	0	0	0	0	0	0	0
16	34	27	91	0	0	0	0	0	0	0	0	0
17	60	28	93	0	0	0	0	0	0	0	0	0
18	60	29	93	0	0	0	0	0	0	0	0	0
19	19	23	91	0	0	0	0	0	0	0	0	0
20	0	18	93	0	0	0	0	0	0	0	0	0
21	0	18	98	0	0	0	0	0	0	0	0	0
22	0	18	30	0	0	0	0	0	0	0	0	0
23	0	11	9	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	59	0	0	15	0	0	0	0	0	0	0
27	0	101	9	0	25	0	0	0	0	0	0	0
28	0	77	48	0	26	0	0	0	0	0	0	0
29	0	27	3	0	25	0	0	0	0	0	0	0
30	0	-	0	0	25	18	0	0	0	0	0	0
31	0	-	0	-	26	-	0	0	-	0	-	0
TOTAL	173	721	1,329	0	142	34	172	0	54	0	0	0
MAXIMUM DAY	60	101	103	0	26	18	28	0	30	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	6	25	43	0	5	1	6	0	2	0	0	0
TOTAL AC. FT.	343	1,430	2,636	0	282	67	341	0	107	0	0	0
WHOLE YEAR:-	TOTAL,	2,625	MAX.,	103	MIN.,	0	MEAN,	7	TOTAL AC.FT.,	5,206		

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

Year: 2004

DISCHARGE IN CUBIC FEET PER SECOND

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	89	0	0	0	0	0	0	0	0	0
9	0	0	101	0	0	0	0	0	0	0	0	0
10	0	0	98	0	0	0	0	0	0	0	0	0
11	0	0	95	0	0	0	0	0	0	0	0	0
12	0	0	95	0	0	0	0	0	0	0	0	0
13	0	0	94	0	0	0	0	0	0	0	0	0
14	0	0	96	0	0	0	0	0	0	0	0	0
15	0	0	82	0	0	0	0	0	0	0	0	0
16	0	0	77	0	0	0	0	0	0	0	0	0
17	0	0	77	0	0	0	0	0	0	0	0	0
18	0	0	79	0	0	0	0	0	0	0	0	0
19	0	0	79	0	0	0	0	0	0	0	0	0
20	0	0	79	0	0	0	0	0	0	0	0	0
21	0	0	79	0	0	0	0	0	0	0	0	0
22	0	0	27	0	0	0	0	0	0	0	0	0
23	0	26	20	0	0	0	0	0	0	0	0	0
24	0	71	21	0	0	0	0	0	0	0	0	0
25	0	81	21	0	0	0	0	0	0	0	0	0
26	0	103	21	0	0	0	0	0	0	0	0	0
27	0	98	24	0	0	0	0	0	0	0	0	0
28	0	98	29	0	0	0	0	0	0	0	0	0
29	0	40	2	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	517	1,385	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	103	101	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	18	45	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	1,025	2,747	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,902	MAX.,	103	MIN.,	0	MEAN,	5	TOTAL AC.FT.,	3,772		

DISCHARGE IN CUBIC FEET PER SECOND Year: 2004
Cross Valley Canal - Turnout #4 to Kern River Channel
 (As reported by Kern County Water Agency)

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	94	153	0	93	0	0	3
2	0	0	0	0	0	0	160	0	133	0	0	3
3	0	0	0	0	0	0	162	0	32	0	0	3
4	0	0	0	0	0	0	157	0	0	0	0	3
5	0	0	0	0	0	0	154	0	0	0	0	3
6	0	0	0	0	0	0	153	0	0	0	0	3
7	0	0	0	0	0	0	67	0	0	0	0	3
8	0	0	88	0	0	0	0	0	0	0	0	3
9	0	0	102	0	0	0	0	0	0	0	0	3
10	0	0	111	0	0	0	0	0	0	0	0	3
11	0	0	107	0	0	0	0	0	0	0	0	4
12	0	0	100	0	0	0	0	0	0	0	0	4
13	0	0	96	0	0	0	0	0	0	0	0	4
14	0	0	96	0	0	0	0	0	0	0	0	4
15	0	0	71	0	0	0	0	0	0	0	0	4
16	0	0	54	0	0	0	0	0	0	0	0	4
17	0	0	54	0	0	0	0	0	0	0	0	4
18	0	0	51	0	0	0	0	0	0	0	0	4
19	0	0	46	0	0	0	0	0	0	0	0	4
20	0	0	50	0	0	0	0	0	0	0	0	4
21	0	0	49	0	0	0	0	0	0	0	0	4
22	0	0	6	0	0	0	0	0	0	0	0	4
23	0	0	0	0	0	0	0	0	0	0	0	4
24	0	0	0	0	0	0	0	0	0	0	0	4
25	0	0	0	0	0	0	0	0	0	0	0	4
26	0	64	0	0	82	0	0	0	0	0	0	4
27	0	131	0	0	151	0	0	0	0	0	0	4
28	0	91	0	0	152	0	0	0	0	0	0	4
29	0	62	0	0	152	0	0	0	0	0	0	4
30	0	-	0	0	153	87	0	0	0	0	0	4
31	0	-	0	-	154	-	0	0	-	0	-	4
TOTAL	0	348	1,081	0	844	181	1,006	0	258	0	0	114
MAXIMUM DAY	0	131	111	0	154	94	162	0	133	0	0	4
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	3
MEAN	0	12	35	0	27	6	32	0	9	0	0	4
TOTAL AC. FT.	0	690	2,144	0	1,674	359	1,995	0	511	0	0	226
WHOLE YEAR:-	TOTAL,	3,832	MAX.,	162	MIN.,	0	MEAN,	10	TOTAL AC.FT.,	7,599		

NORTH KERN WATER STORAGE DISTRICT



Beardsley River Weir
December, 1966

NORTH KERN WATER STORAGE DISTRICT

Year: 2004

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWS River Entitlement	240	2,098	7,535	6,425	11,241	4,675	75	0	0	0	0	157	32,446
Release	16,026	7,954	472	0	0	0	0	0	0	5,628	9,709	5,897	45,686
ENTITLEMENT + OR - RELEASE	16,266	10,052	8,007	6,425	11,241	4,675	75	0	0	5,628	9,709	6,054	78,132
From KRC & Irr. Company	0	0	391	143	401	192	0	0	0	0	0	0	1,127
From City of Bakersfield	0	0	0	0	0	5,000	10,000	5,000	0	0	112	147	20,259
From Isabella Reservoir Storage	79	26	488	9,674	2,665	7,449	14,092	7,969	5,769	1,388	294	718	50,611
From Cawelo WD	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 Improvement District No. 4	0	0	1,030	0	0	0	0	0	0	0	0	0	1,030
To La Hacienda, Inc.	0	0	0	0	0	0	0	0	0	0	0	0	0
To City of Bakersfield	3,342	0	0	0	0	0	0	0	0	0	0	0	3,342
To Improvement District #4	1,995	0	0	0	0	0	2,733	0	2,619	0	0	0	7,347
To Cawelo WD	0	0	0	0	0	0	0	0	0	0	102	268	370
Into Isabella Reservoir Storage	3,951	3,078	4,356	0	1,985	5,048	9,548	4,639	0	903	667	887	35,062
Other	0	0	0	0	0	0	0	0	0	0	0	4	4
TOTAL DIVERTED FROM RIVER	7,057	7,000	5,560	16,242	12,322	12,268	11,886	8,330	3,150	6,113	9,346	5,768	105,042
Loss to Seventh Standard Line	159	102	68	60	61	60	61	60	60	74	120	146	1,032
Oilfield Discharge	0	0	71	0	0	0	0	0	224	0	0	9	304
NKWS Deep Well Production	0	0	0	0	7,949	9,871	12,019	10,441	9,108	6,121	0	0	55,509
Non-District Deep Well Production	0	0	0	0	1,594	1,202	1,314	1,231	737	422	0	0	6,500
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
Friant-Kern Inflow to 8-1-0 Lateral	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Canal & Irrigating Company	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch Improvement District	0	0	0	0	0	71	113	71	0	0	95	0	350
Semitropic WSD via Poso Creek	0	0	0	0	0	0	0	0	0	0	0	0	0
CVC Conduit "A" Inflow	0	2,424	3,756	0	0	0	0	0	0	0	0	0	6,180
TOTAL DISTRICT SUPPLY	6,898	9,322	9,319	16,182	21,804	23,210	25,045	19,870	13,159	12,582	9,131	5,631	172,153

Class 1 Irrigation Deliveries	766	3,977	4,892	9,322	12,678	13,972	15,665	11,734	7,586	5,077	558	266	86,493
Class 2 Irrigation Deliveries	930	2,799	2,355	4,416	4,700	5,423	6,097	3,941	2,563	1,954	587	473	36,238
Semitropic WSD Irrigation Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Paramount Farming Co. Irrigation Deliveries	0	0	0	0	0	0	0	631	0	0	0	0	631
Shafter-Wasco ID Irrigation Deliveries	0	0	0	0	0	0	0	387	113	0	0	0	500
TOTAL IRRIGATION USE	1,696	6,776	7,247	13,738	17,378	19,395	21,762	16,693	10,262	7,031	1,145	739	123,862
District Spreading Ponds (Kern)	2,463	0	0	0	0	0	0	0	0	1,434	5,672	3,020	12,589
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	294	752	48	1,094
Poso Creek Spreading (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DISTRICT SPREADING	2,463	0	1,728	6,424	3,068	13,683							
TOTAL DISTRICT USE	4,159	6,776	7,247	13,738	17,378	19,395	21,762	16,693	10,262	8,759	7,569	3,807	137,545
Total NKWS Canal Loss	2,739	2,546	2,072	2,444	4,426	3,815	3,283	3,177	2,897	3,823	1,562	1,824	34,608
Into Reservoir Storage	3,951	3,078	4,356	0	1,985	5,048	9,548	4,639	0	903	667	887	35,062
Reservoir Evaporation Loss	353	248	795	1,037	1,226	1,515	1,861	1,672	1,284	622	355	210	11,178
From Reservoir Storage	79	26	488	9,674	2,665	7,449	14,092	7,969	5,769	1,388	294	718	50,611
END OF MONTH RESERVOIR STORAGE	51,519	54,323	57,396	46,685	44,779	40,863	34,458	29,456	22,403	21,296	21,314	21,273	

DISCHARGE IN CUBIC FEET PER SECOND													Total Flow via the Beardsley Canal (At Head of Lined Section)													Year: 2004																									
DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	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	TOTAL	MAXIMUM DAY	MINIMUM DAY	MEAN	TOTAL AC. FT.	WHOLE YEAR:-		
	121	118	68	273	305	445	328	241	288	89	213	93	118	146	149	156	150	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	212	88	53	69	90	121	126	3,686	251	49	119	7,311	TOTAL		
	125	146	19	255	347	428	258	262	305	60	200	59	149	156	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	4,109	232	48	8,150	76,991
	126	149	25	263	445	337	117	225	300	59	202	22	149	156	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	123	156	35	330	435	387	114	196	187	80	205	7	156	156	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	110	150	36	352	419	304	262	194	168	83	205	0	150	150	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	49	144	32	357	395	314	362	176	172	86	206	3	144	144	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	49	129	52	371	403	386	386	160	246	94	208	27	129	129	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	51	126	95	342	400	389	435	184	212	84	212	30	126	126	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	55	129	104	279	422	343	365	251	146	54	213	51	129	129	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	55	116	77	282	431	253	200	308	155	43	208	24	116	116	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	101	120	83	374	382	210	203	341	107	74	187	25	120	120	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	251	123	65	454	295	156	316	365	123	61	191	44	123	123	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	246	64	48	482	322	225	344	315	158	67	209	40	64	64	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	246	75	93	514	273	292	337	274	215	73	212	36	246	246	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	211	67	145	504	190	278	328	251	171	58	205	35	211	211	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	112	48	159	402	248	272	260	304	156	83	206	34	112	112	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	106	86	160	349	349	246	188	261	146	94	191	16	106	106	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	143	130	141	401	329	222	228	258	110	102	172	85	143	143	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	146	191	131	469	395	213	317	207	107	147	170	126	146	146	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	135	206	127	446	451	280	341	230	115	174	147	158	135	135	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	140	232	213	447	461	322	329	164	100	204	150	147	140	140	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	136	210	245	441	463	324	325	202	77	213	128	141	136	136	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	81	201	251	418	465	309	316	253	85	168	101	167	81	81	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	116	204	255	323	441	285	165	255	65	187	52	188	116	116	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	105	212	298	307	309	258	177	309	50	203	62	183	105	105	123	142	151	144	129	126	129	116	120	123	64	75	67	48	86	130	191	206	232	210	201	204	88	53	69	90	121	126	251	49	119	7,311	360	19	142	8,150	76,991
	88	210	281	375	306	203	230	283	79	253	83	178	88	88	123	142	151	144	129	126	129	116	120	123	64	75	67	48																							

Year: 2004

Oilfield Discharge Diverted via Beardsley Canal (Total Flow)

DISCHARGE IN CUBIC FEET PER SECOND

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	23	0	0	0
7	0	0	0	0	0	0	0	0	28	0	0	0
8	0	0	0	0	0	0	0	0	28	0	0	0
9	0	0	0	0	0	0	0	0	29	0	0	0
10	0	0	8	0	0	0	0	0	4	0	0	0
11	0	0	27	0	0	0	0	0	0	0	0	0
12	0	0	26	0	0	0	0	0	0	0	0	0
13	0	0	2	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	22	0	0	0
15	0	0	0	0	0	0	0	0	28	0	0	0
16	0	0	0	0	0	0	0	0	28	0	0	0
17	0	0	0	0	0	0	0	0	3	0	0	1
18	0	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	1
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	1
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	63	0	0	0	0	0	193	0	0	5
MAXIMUM DAY	0	0	27	0	0	0	0	0	29	0	0	1
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	2	0	0	0	0	0	6	0	0	0
TOTAL AC. FT.	0	0	125	0	0	0	0	0	383	0	0	9
WHOLE YEAR:-	TOTAL,	261	MAX.,	29	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	517		

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

Year: 2004

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River	7,311	8,150	9,295	23,054	22,742	17,419	16,844	15,136	8,842	8,105	9,762	6,050	152,710
Oilfield Discharge	0	0	125	0	0	0	0	0	383	0	0	0	517
C.V.C. Conduit "A"	0	2,424	4,534	0	0	5,554	6,311	2,763	0	0	0	0	21,586
+ TOTAL BEARDSLEY CANAL SUPPLY	7,311	10,574	13,954	23,054	22,742	22,973	23,155	17,899	9,225	8,105	9,762	6,059	174,813
KRC & Irr. Co. # 1 Lateral (Total Flow)	0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. # 4 Lateral	0	36	230	230	139	145	204	157	194	69	0	0	1,404
KRC & Irr. Co. # 5 Lateral	0	313	813	876	651	549	605	540	387	409	10	0	5,153
KRC & Irr. Co. Bidart Boosters	34	51	211	280	321	317	280	232	283	95	65	10	2,179
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	12	38	61	60	61	60	61	61	60	48	32	4	558
- TOTAL KRC & IRR. CO. DIVERTED	46	438	1,315	1,446	1,172	1,071	1,150	990	924	621	107	14	9,294
Kern River Supply	46	438	1,261	1,446	1,172	1,071	1,150	990	769	621	107	14	9,085
Oilfield Discharge Supply	0	0	54	0	0	0	0	0	155	0	0	0	209
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"	174	579	2,771	4,919	8,434	8,735	9,239	7,692	4,385	958	208	167	48,261
Cawelo WD Lerdo Gate Deliveries	20	91	391	331	658	738	712	735	430	336	71	67	4,580
Lined Section Loss	12	34	54	60	61	60	61	61	60	61	28	30	582
Lerdo Canal Loss	2	8	36	56	95	101	107	91	52	16	2	4	570
- TOTAL CAWELO WD DIVERTED	208	712	3,252	5,366	9,248	9,634	10,119	8,579	4,927	1,371	309	268	53,993
Kern River Supply	208	712	2,474	5,366	9,248	4,080	3,808	5,816	4,923	1,371	309	268	38,583
Oilfield Discharge Supply	0	0	0	0	0	0	0	0	4	0	0	0	4
C.V.C. Conduit "A" Supply	0	0	778	0	0	5,554	6,311	2,763	0	0	0	0	15,406
Rosedale Ranch ID Diverted	0	0	0	0	0	71	113	71	0	0	95	0	350
Kern River Supply	0	0	0	0	0	71	113	71	0	0	0	0	255
C.V.C. Conduit "A" Supply	0	0	0	0	0	0	0	0	0	0	95	0	95
KRC & Irr. Co. Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern-Tulare WD/Rag Gulch WD Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss: NKWSD	159	102	68	60	61	60	61	61	60	74	120	146	1,032
= NKWSD FROM LERDO CANAL	6,898	9,322	9,319	16,182	12,261	12,137	11,712	8,198	3,314	6,039	9,131	5,631	110,144
Kern River Supply	7,057	7,000	5,560	16,242	12,322	12,197	11,773	8,259	3,150	6,113	9,251	5,768	104,692
Oilfield Discharge Supply	0	0	71	0	0	0	0	0	224	0	0	9	304
C.V.C. Conduit "A" Supply	0	2,424	3,756	0	0	0	0	0	0	0	0	0	6,180

Year: 2004

Lerdo Canal at Seventh Standard Line (Total Flow)

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	118	114	91	268	271	421	409	324	278	84	206	86
2	122	181	73	242	312	403	344	341	286	57	197	55
3	123	211	92	232	412	355	198	308	279	56	199	19
4	120	221	86	300	409	427	193	276	162	77	202	4
5	107	181	77	320	396	340	348	281	147	80	202	0
6	46	164	68	332	370	357	446	243	173	83	203	0
7	46	149	89	345	383	426	470	212	255	91	205	24
8	48	146	156	315	376	436	519	234	221	81	209	27
9	52	149	174	258	402	392	345	287	153	45	209	48
10	52	136	181	263	410	336	300	353	144	31	203	21
11	98	140	244	354	359	306	283	385	92	62	181	22
12	248	139	226	433	273	256	394	410	113	48	186	41
13	243	109	173	464	305	327	422	361	151	43	206	37
14	243	134	205	494	256	387	415	319	230	49	209	33
15	208	127	217	477	179	373	407	280	174	33	200	32
16	109	113	220	370	237	368	346	325	161	59	202	31
17	103	163	220	319	336	344	271	292	126	73	186	14
18	140	223	195	370	318	320	316	292	84	77	167	83
19	143	276	187	434	374	309	407	239	85	127	163	124
20	132	252	184	416	425	378	428	227	90	160	144	156
21	137	250	274	415	436	423	413	147	76	190	147	144
22	133	227	255	412	431	422	409	186	60	199	122	138
23	78	204	263	386	436	409	406	240	67	154	98	165
24	113	208	269	293	416	379	255	241	51	173	49	185
25	102	204	315	280	284	351	270	296	37	192	59	180
26	83	200	302	349	284	292	325	271	66	242	75	175
27	47	148	271	381	334	301	338	260	106	258	95	166
28	61	136	325	456	339	378	362	164	85	240	96	196
29	84	137	357	452	314	388	356	177	84	224	84	202
30	116	-	260	404	310	378	331	249	89	210	90	255
31	121	-	261	-	426	-	306	243	-	206	-	297
TOTAL	3,576	5,042	6,310	10,834	10,813	10,982	11,032	8,463	4,125	3,704	4,794	2,960
MAXIMUM DAY	248	276	357	494	436	436	519	410	286	258	209	297
MINIMUM DAY	46	109	68	232	179	256	193	147	37	31	49	0
MEAN	115	174	204	361	349	366	356	273	138	119	160	95
TOTAL AC. FT.	7,094	10,000	12,517	21,488	21,448	21,782	21,883	16,787	8,181	7,349	9,507	5,869
WHOLE YEAR:-	TOTAL,	82,635	MAX.,	519	MIN.,	0	MEAN,	226	TOTAL AC.FT.,	163,905		

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

Year: 2004

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Total Beardsley Canal Supply	7,311	10,574	13,954	23,054	22,742	22,973	23,155	17,899	9,225	8,105	9,762	6,059	174,813
+ KRC & Irr. Co. Laterals	0	349	1,043	1,106	790	694	809	697	581	478	10	0	6,557
+ KRC & Irr. Co. Boosters	34	51	211	280	321	317	280	232	283	95	65	10	2,179
+ Lined Section Loss: KRC & Irr. Co.	12	38	61	60	61	60	61	61	60	48	32	4	558
= KRC & Irr. Co. from Beardsley	46	438	1,315	1,446	1,172	1,071	1,150	990	924	621	107	14	9,294
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	12	34	54	60	61	60	61	61	60	61	28	30	582
Lined Section Loss: NKWSD	159	102	68	60	61	60	61	61	60	74	120	146	1,032
Lerdo Canal Total Flow	7,094	10,000	12,517	21,488	21,448	21,782	21,883	16,787	8,181	7,349	9,507	5,869	163,905
KRC & Irr. Co. via 8-1-0	0	0	0	0	0	0	0	0	0	0	0	0	0
City via 8-1-0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch ID via Lerdo	0	0	0	0	0	71	113	71	0	0	95	0	350
K-TWD/RGWD via 8-17-0	0	0	0	0	0	0	0	0	0	0	0	0	0
Cawelo WD Well Water Inflow	0	0	0	0	0	111	119	126	79	89	0	0	524
+ Cawelo WD Delivered at Sta. "B"	174	579	2,771	4,919	8,434	8,735	9,239	7,692	4,385	958	208	167	48,261
+ Cawelo WD 8-0 Deliveries	20	91	391	331	658	849	831	861	509	425	71	67	5,104
+ Lerdo Loss: to Station "B"	2	6	28	49	84	87	92	77	44	10	2	2	483
+ Lerdo Loss: 8-0 Deliveries	0	2	8	7	11	14	15	14	8	6	0	2	87
= Cawelo WD Total from Lerdo	196	678	3,198	5,306	9,187	9,685	10,177	8,644	4,946	1,399	281	238	53,935
North Kern WSD from Lerdo	6,898	9,322	9,319	16,182	12,261	12,137	11,712	8,198	3,314	6,039	9,131	5,631	110,144

Year: 2004

Total Flow via the Calloway Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	22	40	52	45	61	55	45	0	0
2	0	0	0	34	38	56	49	59	50	47	0	0
3	0	0	0	34	42	55	54	52	51	40	0	0
4	0	0	0	40	49	48	54	53	50	44	0	0
5	0	0	0	39	42	47	52	56	54	47	0	0
6	0	0	0	36	42	53	48	54	54	47	0	0
7	0	0	0	24	43	54	42	53	59	43	0	0
8	0	0	0	33	43	48	51	54	54	40	0	0
9	0	0	0	36	37	42	52	59	49	42	0	0
10	0	0	0	33	40	56	43	59	53	48	0	0
11	0	0	0	34	52	59	43	63	55	0	0	0
12	0	0	0	40	33	59	63	59	54	0	0	0
13	0	0	0	42	48	56	60	60	47	0	0	0
14	0	0	0	41	50	57	67	55	46	0	0	0
15	0	0	0	31	49	64	56	55	52	0	0	0
16	0	0	0	32	46	66	59	58	55	0	0	0
17	0	0	0	36	49	66	59	60	47	0	0	0
18	0	0	0	37	46	62	61	62	48	0	0	0
19	0	0	0	33	46	58	61	54	44	0	0	0
20	0	0	0	39	45	58	56	56	39	0	0	0
21	0	0	0	36	52	60	61	56	42	0	0	0
22	0	0	0	37	50	59	58	47	52	0	0	0
23	0	0	0	39	48	59	58	60	46	0	0	0
24	0	0	0	40	46	60	58	57	44	0	0	0
25	0	0	0	44	45	59	56	50	53	0	0	0
26	0	0	0	42	46	54	58	59	48	0	0	0
27	0	0	0	48	48	53	59	46	49	0	0	0
28	0	0	0	48	48	62	67	58	54	0	0	0
29	0	0	0	44	48	54	57	56	43	0	0	0
30	0	-	0	40	42	54	60	58	39	0	0	0
31	0	-	38	-	46	-	60	56	-	0	-	0
TOTAL	0	0	38	1,114	1,399	1,690	1,727	1,745	1,486	443	0	0
MAXIMUM DAY	0	0	38	48	52	66	67	63	59	48	0	0
MINIMUM DAY	0	0	0	22	33	42	42	46	39	0	0	0
MEAN	0	0	1	37	45	56	56	56	50	14	0	0
TOTAL AC. FT.	0	0	75	2,210	2,776	3,352	3,426	3,461	2,947	879	0	0
WHOLE YEAR:-	TOTAL,	9,642	MAX.,	67	MIN.,	0	MEAN,	26	TOTAL AC.FT.,	19,126		

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

Year: 2004

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FLOW AT HEADWORKS	+	0	75	2,210	2,776	3,352	3,426	3,461	2,947	879	0	0	19,126
KCWA Armco Turnout	-	0	0	2,034	2,590	3,158	3,178	3,239	2,741	821	0	0	17,761
Seepage Loss	-	0	30	166	184	194	232	200	170	50	0	0	1,226
FLOW AT MEASURING STATION	=	0	45	10	2	0	16	22	36	8	0	0	139
CVC Turnout to Calloway	+	0	0	0	0	0	0	0	0	0	0	0	0
Seepage Loss	-	0	45	10	2	0	16	22	36	8	0	0	139
FLOW AT BUCK OWENS WEIR	=	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
KRC & Irr. Co. 1-1-0 Inflow	+	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
Seepage Loss	-	0	0	0	0	0	0	0	0	0	0	0	0
FLOW AT CENTENNIAL WEIR	=	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
Rosedale Ranch ID at Headworks	-	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
NKWSD 8-1-0 Inflow	+	0	0	0	0	0	0	0	0	0	0	0	0
FLOW AT SEVENTH STANDARD LINE for Rosedale Ranch ID for North Kern WSD	=	0	0	0	0	0	0	0	0	0	0	0	0
KERN COUNTY WATER AGENCY / ID4:													
Operating Loss	+	0	0	216	236	248	288	256	220	64	0	0	1,558
Turnout #4 to River	+	0	0	0	0	0	0	0	0	0	0	0	0
ID4 Treatment Plant	+	0	0	1,984	2,538	3,104	3,122	3,183	2,691	807	0	0	17,429
Cross Valley Canal Filling Losses	+	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
Spreading Below Measuring Station	+	0	0	10	2	0	16	22	36	8	0	0	139
TOTAL DIVERTED	=	0	0	2,210	2,776	3,352	3,426	3,461	2,947	879	0	0	19,126
KERN RIVER CANAL & IRRIGATING CO.:													
Calloway Irrigation Deliveries	+	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
TOTAL DIVERTED	=	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
Flow at Seventh Standard Line	+	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
TOTAL DIVERTED	=	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
Total Loss	+	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

North Kern Water Storage District Class 1 Irrigation Deliveries												Year: 2004
DISCHARGE IN CUBIC FEET PER SECOND												
DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	11	60	88	233	230	265	204	169	159	4	3
2	0	68	56	82	52	288	275	194	164	114	1	7
3	0	71	42	78	183	267	157	191	151	25	0	0
4	0	79	44	37	233	257	149	221	97	146	0	0
5	0	69	39	161	230	137	240	218	84	141	0	0
6	0	52	30	168	230	131	225	259	150	168	0	0
7	0	61	19	184	222	280	220	159	155	162	0	0
8	0	21	73	209	107	266	265	152	167	161	19	10
9	0	62	79	200	83	230	270	244	181	60	27	9
10	0	60	104	146	177	257	194	227	143	12	30	11
11	0	58	123	58	167	280	179	242	125	138	20	9
12	0	72	73	198	192	186	293	244	111	121	19	8
13	0	67	51	195	219	164	304	263	173	152	1	8
14	0	52	25	200	167	206	335	197	145	157	0	9
15	3	50	114	186	257	181	330	190	158	140	3	6
16	6	95	125	165	137	253	306	209	169	56	20	9
17	6	131	92	134	246	289	239	225	171	19	31	6
18	6	76	113	56	282	270	230	205	101	131	29	6
19	9	82	73	203	292	200	285	199	71	123	13	3
20	16	110	65	225	307	160	270	189	86	106	0	9
21	20	102	45	215	278	324	300	154	102	118	0	7
22	10	80	107	217	144	224	297	141	110	89	29	8
23	10	90	105	194	102	240	302	137	103	8	25	0
24	2	103	150	154	244	266	223	168	96	21	0	0
25	2	94	155	38	251	284	170	197	92	17	0	3
26	51	63	125	147	269	188	286	197	59	10	0	0
27	49	51	104	165	274	162	267	170	91	0	0	3
28	50	33	25	192	262	281	243	101	112	0	0	0
29	53	42	87	201	160	286	257	103	127	2	0	0
30	52	-	89	204	135	257	255	158	162	2	10	0
31	41	-	75	-	257	-	267	158	-	2	-	0
TOTAL	386	2,005	2,467	4,700	6,392	7,044	7,898	5,916	3,825	2,560	281	134
MAXIMUM DAY	53	131	155	225	307	324	335	263	181	168	31	11
MINIMUM DAY	0	11	19	37	52	131	149	101	59	0	0	0
MEAN	12	69	80	157	206	235	255	191	128	83	9	4
TOTAL AC. FT.	766	3,977	4,892	9,322	12,678	13,972	15,665	11,734	7,586	5,077	558	266
WHOLE YEAR:-	TOTAL,	43,608	MAX.,	335	MIN.,	0	MEAN,	119	TOTAL AC.FT.,	86,493		

North Kern Water Storage District
Class 2 Irrigation Deliveries

Year: 2004

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3	40	26	91	60	96	91	42	60	62	3	8
2	3	53	23	74	58	97	86	85	73	49	4	14
3	3	48	48	72	62	70	95	70	62	28	4	15
4	0	50	24	10	56	77	77	83	31	56	4	11
5	0	41	20	61	73	70	111	83	20	50	13	11
6	7	44	16	79	87	75	132	74	36	51	8	8
7	12	36	8	52	57	84	112	75	41	48	5	7
8	8	28	37	53	59	97	107	30	48	46	9	11
9	11	39	46	45	48	101	117	75	50	13	9	15
10	12	67	36	35	68	94	98	100	52	4	9	14
11	10	57	31	21	66	95	85	97	39	16	16	12
12	0	62	42	90	76	82	113	91	30	44	23	11
13	10	55	21	84	73	70	106	92	49	45	18	14
14	10	36	8	109	65	88	91	86	53	57	5	15
15	10	36	36	114	71	104	104	65	69	56	11	15
16	17	71	54	90	62	98	103	74	58	10	20	14
17	17	68	70	87	70	111	108	61	60	10	24	6
18	11	65	63	30	74	101	74	56	23	62	22	3
19	15	64	42	104	89	98	106	60	20	68	17	3
20	18	59	7	103	100	86	102	48	30	64	5	3
21	22	38	3	110	99	68	109	53	30	54	0	0
22	22	23	8	107	77	104	91	22	42	32	23	0
23	22	61	47	95	76	106	87	52	27	12	29	4
24	20	62	56	78	95	97	105	54	40	5	4	1
25	20	53	58	14	73	80	84	56	42	12	0	1
26	24	52	56	92	90	92	77	73	28	10	0	4
27	24	56	40	100	97	77	91	57	35	5	0	7
28	32	25	8	85	106	106	110	46	38	5	0	4
29	32	22	78	61	104	103	106	34	63	6	5	4
30	34	-	82	80	91	107	99	47	43	5	6	4
31	40	-	93	-	88	-	97	46	-	0	-	0
TOTAL	469	1,411	1,187	2,226	2,370	2,734	3,074	1,987	1,292	985	296	239
MAXIMUM DAY	40	71	93	114	106	111	132	100	73	68	29	15
MINIMUM DAY	0	23	3	10	48	68	74	22	20	0	0	0
MEAN	15	49	38	74	76	91	99	64	43	32	10	8
TOTAL AC. FT.	930	2,799	2,355	4,416	4,700	5,423	6,097	3,941	2,563	1,954	587	473
WHOLE YEAR:-	TOTAL,	18,270	MAX.,	132	MIN.,	0	MEAN,	50	TOTAL AC.FT.,	36,238		

DISCHARGE IN CUBIC FEET PER SECOND **North Kern Water Storage District** **Year: 2004**
Paramount Farming Company Exchange Deliveries

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	19	0	0	0	0
3	0	0	0	0	0	0	0	20	0	0	0	0
4	0	0	0	0	0	0	0	18	0	0	0	0
5	0	0	0	0	0	0	0	20	0	0	0	0
6	0	0	0	0	0	0	0	19	0	0	0	0
7	0	0	0	0	0	0	0	17	0	0	0	0
8	0	0	0	0	0	0	0	20	0	0	0	0
9	0	0	0	0	0	0	0	19	0	0	0	0
10	0	0	0	0	0	0	0	14	0	0	0	0
11	0	0	0	0	0	0	0	19	0	0	0	0
12	0	0	0	0	0	0	0	18	0	0	0	0
13	0	0	0	0	0	0	0	19	0	0	0	0
14	0	0	0	0	0	0	0	18	0	0	0	0
15	0	0	0	0	0	0	0	20	0	0	0	0
16	0	0	0	0	0	0	0	19	0	0	0	0
17	0	0	0	0	0	0	0	18	0	0	0	0
18	0	0	0	0	0	0	0	18	0	0	0	0
19	0	0	0	0	0	0	0	3	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	318	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	20	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	10	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	631	0	0	0	0
WHOLE YEAR:-	TOTAL,	318	MAX.,	20	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	631	0	0

North Kern Water Storage District
Shafter-Wasco ID Exchange Deliveries

Year: 2004

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	9	0	0	0
2	0	0	0	0	0	0	0	0	10	0	0	0
3	0	0	0	0	0	0	0	0	9	0	0	0
4	0	0	0	0	0	0	0	0	9	0	0	0
5	0	0	0	0	0	0	0	0	10	0	0	0
6	0	0	0	0	0	0	0	0	10	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	16	0	0	0	0
20	0	0	0	0	0	0	0	20	0	0	0	0
21	0	0	0	0	0	0	0	19	0	0	0	0
22	0	0	0	0	0	0	0	17	0	0	0	0
23	0	0	0	0	0	0	0	18	0	0	0	0
24	0	0	0	0	0	0	0	13	0	0	0	0
25	0	0	0	0	0	0	0	16	0	0	0	0
26	0	0	0	0	0	0	0	18	0	0	0	0
27	0	0	0	0	0	0	0	15	0	0	0	0
28	0	0	0	0	0	0	0	13	0	0	0	0
29	0	0	0	0	0	0	0	10	0	0	0	0
30	0	-	0	0	0	0	0	10	0	0	0	0
31	0	-	0	-	0	-	0	10	-	0	-	0
TOTAL	0	0	0	0	0	0	0	195	57	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	20	10	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	6	2	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	387	113	0	0	0
WHOLE YEAR:-	TOTAL,	252	MAX.,	20	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	500		

DISCHARGE IN CUBIC FEET PER SECOND Year: 2004
 Total Diverted to Rosedale Ranch Improvement District

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	3	0	0	0	0	0
2	0	0	0	0	0	0	3	3	0	0	0	0
3	0	0	0	0	0	0	0	3	0	0	0	0
4	0	0	0	0	0	0	0	3	0	0	0	0
5	0	0	0	0	0	0	3	3	0	0	0	0
6	0	0	0	0	0	0	0	3	0	0	0	0
7	0	0	0	0	0	0	3	3	0	0	0	0
8	0	0	0	0	0	0	3	3	0	0	0	0
9	0	0	0	0	0	0	3	3	0	0	6	0
10	0	0	0	0	0	0	0	3	0	0	6	0
11	0	0	0	0	0	0	0	3	0	0	6	0
12	0	0	0	0	0	0	3	3	0	0	6	0
13	0	0	0	0	0	0	3	3	0	0	0	0
14	0	0	0	0	0	0	3	0	0	0	0	0
15	0	0	0	0	0	3	3	0	0	0	6	0
16	0	0	0	0	0	3	3	0	0	0	6	0
17	0	0	0	0	0	3	0	0	0	0	6	0
18	0	0	0	0	0	3	0	0	0	0	6	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	3	0	0	0	0	0
21	0	0	0	0	0	3	3	0	0	0	0	0
22	0	0	0	0	0	3	3	0	0	0	0	0
23	0	0	0	0	0	3	3	0	0	0	0	0
24	0	0	0	0	0	3	3	0	0	0	0	0
25	0	0	0	0	0	3	0	0	0	0	0	0
26	0	0	0	0	0	0	3	0	0	0	0	0
27	0	0	0	0	0	0	3	0	0	0	0	0
28	0	0	0	0	0	3	0	0	0	0	0	0
29	0	0	0	0	0	3	3	0	0	0	0	0
30	0	-	0	0	0	3	3	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	36	57	36	0	0	48	0
MAXIMUM DAY	0	0	0	0	0	3	3	3	0	0	6	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	1	2	1	0	0	2	0
TOTAL AC. FT.	0	0	0	0	0	71	113	71	0	0	95	0
WHOLE YEAR:-	TOTAL,	177	MAX.,	6	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	350		

Year: 2004

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

DISCHARGE IN CUBIC FEET PER SECOND

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

**NORTH KERN WATER STORAGE DISTRICT
STATUS OF EXCHANGE**

Quantities in acre-feet

Year: 2004

Prior Year Status	KERN DELTA WD		CAWELO WD		LA HACIENDA, INC.		IMPROVEMENT DISTRICT NO.4		KERN-TULARE WD		RAG GULCH WD		ROSEDALE RANCH ID		PARAMOUNT FARMING CO.		SEMITROPIC WSD		SHAFTER-WASCO ID		SOUTHERN SAN JOAQUIN MUD	
	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from
January	0	0	6,316	0	0	5,824	0	11,097	0	0	0	0	0	0	0	0	0	0	0	0	0	10,868
February	0	0	0	0	0	0	0	2,424	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	2,485	0	0	0	2,301	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	0	0	0	0	0	0
May	0	0	0	0	0	0	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	0	0	0	0	0	0
July	0	0	0	0	0	0	0	2,733	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	0	0	0	0	0	0
September	0	0	0	0	0	0	2,619	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	0	0	0	0	0	0
November	0	0	102	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	268	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	370	2,485	0	0	7,347	4,725	0	0	0	0	350	0	686	0	0	0	500	0	0	0
Current Status	0	0	4,201	0	0	5,824	0	8,475	0	0	0	0	3,204	0	33,094	0	323	0	27,188	0	0	2

Notes: 1) Field delivery of 631 acre-feet adjusted to reflect 92% factor for use outside of a district contiguous to North Kern as per terms of North Kern WSD/Paramount Farming Company Exchange Agreement dated August 3, 2004.
2) Exchange balance extinguished as per terms of North Kern WSD/Southern San Joaquin MUD exchange agreement dated August 16, 1995 and North Kern WSD letter dated October 29, 2004.

NORTH KERN WATER STORAGE DISTRICT

IMPROVEMENT DISTRICT NO. 4 WATER EXCHANGE SUMMARY

Status as of 12-31-2004

Quantities in acre-feet

Pursuant to North Kern WSD/Improvement District #4 Accounting Agreement Dated March 1, 1995								
CATEGORY "A"				CATEGORY "B"				Overall Exchange Balance
Date	NKWS to ID4	ID4 to NKWS	Cumulative Exchange Balance	Date	NKWS to ID4	ID4 to NKWS	Cumulative Exchange Balance	
1988	12,163	7,796	4,367	1988	0	0	0	4,367
1989	0	0	4,367	1989	0	0	0	4,367
1990	0	1,630	2,737	1990	0	0	0	2,737
1991	0	261	2,476	1991	395	0	395	2,871
1992	0	0	2,476	1992	0	0	395	2,871
1993	12,557	9,434	5,599	1993	0	0	395	5,994
1994	0	0	5,599	1994	0	0	395	5,994
1995	0	8,635	(3,036)	1995	0	0	395	(2,641)
1996	0	0	(3,036)	1996	0	0	395	(2,641)
1997	3,882	0	846	1997	0	0	395	1,241
1998	4,323	0	5,169	1998	0	0	395	5,564
1999	3,748	64,000	(55,083)	1999	0	0	395	(54,688)
2000	4,629	10,000	(60,454)	2000	14,240	11,921	2,714	(57,740)
2001	12,401	0	(48,053)	2001	0	2,714	0	(48,053)
2002	25,110	0	(22,943)	2002	16,491	17,664	(1,173)	(24,116)
2003	12,473	0	(10,470)	2003	1,462	916	(627)	(11,097)
2004	1,995	0	(8,475)	2004	627	0	0	(8,475)
Totals	93,281	101,756		Totals	33,215	33,215		

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

Beadsley Canal.

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

Priority 2.

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

Priority 3.

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

Priority Equation D.

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

NORTH KERN WATER STORAGE DISTRICT

2004 Balanced Exchange Program

(Pursuant to North Kern WSD/Improvement District No.4 Exchange Agreement Dated March 11, 2004)

Quantities in acre-feet

Year: 2004

Month	NKWSD to ID4	ID4 to North Kern WSD		Total Delivered	Cumulative Exchange Balance
		Via Cross Valley Canal	Via Beardsley Canal Headgate		
January	0	0	0	0	0
February	0	2,424	0	2,424	(2,424)
March	0	1,271	1,030	2,301	(4,725)
April	0	0	0	0	(4,725)
May	0	0	0	0	(4,725)
June	0	0	0	0	(4,725)
July	2,106	0	0	0	(2,619)
August	0	0	0	0	(2,619)
September	2,619	0	0	0	0
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Totals	4,725	3,695	1,030	4,725	

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

Year: 2004

DISCHARGE IN CUBIC FEET PER SECOND

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	119	0	0	0	0	0	0	0	0	0	0	0
6	196	0	0	0	0	0	0	0	0	0	0	0
7	141	0	0	0	0	0	0	0	0	0	0	0
8	143	0	0	0	0	0	0	0	0	0	0	0
9	163	0	0	0	0	0	0	0	0	0	0	0
10	175	0	0	0	0	0	40	0	10	0	0	0
11	69	0	0	0	0	0	48	0	86	0	0	0
12	0	0	0	0	0	0	68	0	80	0	0	0
13	0	0	0	0	0	0	65	0	74	0	0	0
14	0	0	0	0	0	0	72	0	75	0	0	0
15	0	0	0	0	0	0	60	0	87	0	0	0
16	0	0	0	0	0	0	65	0	84	0	0	0
17	0	0	0	0	0	0	64	0	74	0	0	0
18	0	0	0	0	0	0	66	0	86	0	0	0
19	0	0	0	0	0	0	67	0	84	0	0	0
20	0	0	0	0	0	0	60	0	72	0	0	0
21	0	0	0	0	0	0	65	0	65	0	0	0
22	0	0	0	0	0	0	64	0	76	0	0	0
23	0	0	0	0	0	0	64	0	70	0	0	0
24	0	0	0	0	0	0	65	0	73	0	0	0
25	0	0	0	0	0	0	61	0	79	0	0	0
26	0	0	0	0	0	0	63	0	74	0	0	0
27	0	0	0	0	0	0	62	0	71	0	0	0
28	0	0	0	0	0	0	70	0	0	0	0	0
29	0	0	0	0	0	0	62	0	0	0	0	0
30	0	-	0	0	0	0	64	0	0	0	0	0
31	0	-	0	-	0	-	63	0	-	0	-	0
TOTAL	1,006	0	0	0	0	0	1,378	0	1,320	0	0	0
MAXIMUM DAY	196	0	0	0	0	0	72	0	87	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	32	0	0	0	0	0	44	0	44	0	0	0
TOTAL AC. FT.	1,995	0	0	0	0	0	2,733	0	2,619	0	0	0
WHOLE YEAR:-	TOTAL,	3,704	MAX.,	196	MIN.,	0	MEAN,	10	TOTAL AC.FT.,	7,347		

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

DISCHARGE IN CUBIC FEET PER SECOND

Year: 2004

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	43	0	0	0	0	0	0	0	0	0
2	0	40	75	0	0	0	0	0	0	0	0	0
3	0	68	94	0	0	0	0	0	0	0	0	0
4	0	68	79	0	0	0	0	0	0	0	0	0
5	0	34	70	0	0	0	0	0	0	0	0	0
6	0	23	70	0	0	0	0	0	0	0	0	0
7	0	23	70	0	0	0	0	0	0	0	0	0
8	0	23	70	0	0	0	0	0	0	0	0	0
9	0	23	70	0	0	0	0	0	0	0	0	0
10	0	23	26	0	0	0	0	0	0	0	0	0
11	0	23	30	0	0	0	0	0	0	0	0	0
12	0	23	30	0	0	0	0	0	0	0	0	0
13	0	53	24	0	0	0	0	0	0	0	0	0
14	0	68	30	0	0	0	0	0	0	0	0	0
15	0	68	30	0	0	0	0	0	0	0	0	0
16	0	68	30	0	0	0	0	0	0	0	0	0
17	0	98	30	0	0	0	0	0	0	0	0	0
18	0	113	30	0	0	0	0	0	0	0	0	0
19	0	107	30	0	0	0	0	0	0	0	0	0
20	0	67	30	0	0	0	0	0	0	0	0	0
21	0	28	25	0	0	0	0	0	0	0	0	0
22	0	20	25	0	0	0	0	0	0	0	0	0
23	0	20	25	0	0	0	0	0	0	0	0	0
24	0	20	25	0	0	0	0	0	0	0	0	0
25	0	8	25	0	0	0	0	0	0	0	0	0
26	0	0	25	0	0	0	0	0	0	0	0	0
27	0	27	25	0	0	0	0	0	0	0	0	0
28	0	43	24	0	0	0	0	0	0	0	0	0
29	0	43	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	1,222	1,160	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	113	94	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	42	37	0	0	0	0	0	0	0	0	0
NET AC. FT.	0	2,424	2,301	0	0	0	0	0	0	0	0	0
AC. FT. LOSS	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	2,424	2,301	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	2,382	MAX.,	113	MIN.,	0	MEAN,	7	TOTAL AC.FT.,	4,725		

Year: 2004

North Kern WSD Diverted to Cawelo Water District

DISCHARGE IN CUBIC FEET PER SECOND

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	3
8	0	0	0	0	0	0	0	0	0	0	0	3
9	0	0	0	0	0	0	0	0	0	0	0	3
10	0	0	0	0	0	0	0	0	0	0	0	3
11	0	0	0	0	0	0	0	0	0	0	0	3
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	25
14	0	0	0	0	0	0	0	0	0	0	0	25
15	0	0	0	0	0	0	0	0	0	0	0	25
16	0	0	0	0	0	0	0	0	0	0	0	26
17	0	0	0	0	0	0	0	0	0	0	0	4
18	0	0	0	0	0	0	0	0	0	0	0	3
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	3
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	22	0
27	0	0	0	0	0	0	0	0	0	0	22	3
28	0	0	0	0	0	0	0	0	0	0	0	3
29	0	0	0	0	0	0	0	0	0	0	0	3
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	51	135
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	22	26
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	4
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	102	268
WHOLE YEAR:-	TOTAL,	186	MAX.,	26	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	370		

Year: 2004

Cawelo Water District Diverted to North Kern WSD

DISCHARGE IN CUBIC FEET PER SECOND

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	92	0	0	0	0	0	0	0	0	0
11	0	0	110	0	0	0	0	0	0	0	0	0
12	0	0	110	0	0	0	0	0	0	0	0	0
13	0	0	99	0	0	0	0	0	0	0	0	0
14	0	0	94	0	0	0	0	0	0	0	0	0
15	0	0	62	0	0	0	0	0	0	0	0	0
16	0	0	51	0	0	0	0	0	0	0	0	0
17	0	0	51	0	0	0	0	0	0	0	0	0
18	0	0	51	0	0	0	0	0	0	0	0	0
19	0	0	92	0	0	0	0	0	0	0	0	0
20	0	0	92	0	0	0	0	0	0	0	0	0
21	0	0	92	0	0	0	0	0	0	0	0	0
22	0	0	36	0	0	0	0	0	0	0	0	0
23	0	0	36	0	0	0	0	0	0	0	0	0
24	0	0	36	0	0	0	0	0	0	0	0	0
25	0	0	36	0	0	0	0	0	0	0	0	0
26	0	0	36	0	0	0	0	0	0	0	0	0
27	0	0	36	0	0	0	0	0	0	0	0	0
28	0	0	36	0	0	0	0	0	0	0	0	0
29	0	0	5	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	1,253	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	110	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	40	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	2,485	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,253	MAX.,	110	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	2,485		

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

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2002													
NKWSD to CITY	292	0	134	0	0	0	0	0	0	0	0	2,533	2,959
CITY to NKWSD	0	0	2,121	3,384	828	0	0	0	0	0	0	0	6,333
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	39,451	39,451	37,464	34,080	33,252	35,785							

2003													
NKWSD to CITY	3,383	0	36	0	0	0	0	0	0	0	0	2,756	6,175
CITY to NKWSD	0	0	2,859	4,298	712	0	0	0	0	0	0	0	7,869
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	39,168	39,168	36,345	32,047	31,335	34,091							

2004													
NKWSD to CITY	3,342	0	0	0	0	0	0	0	0	0	0	0	3,342
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	37,433												

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

Quantities in acre-feet

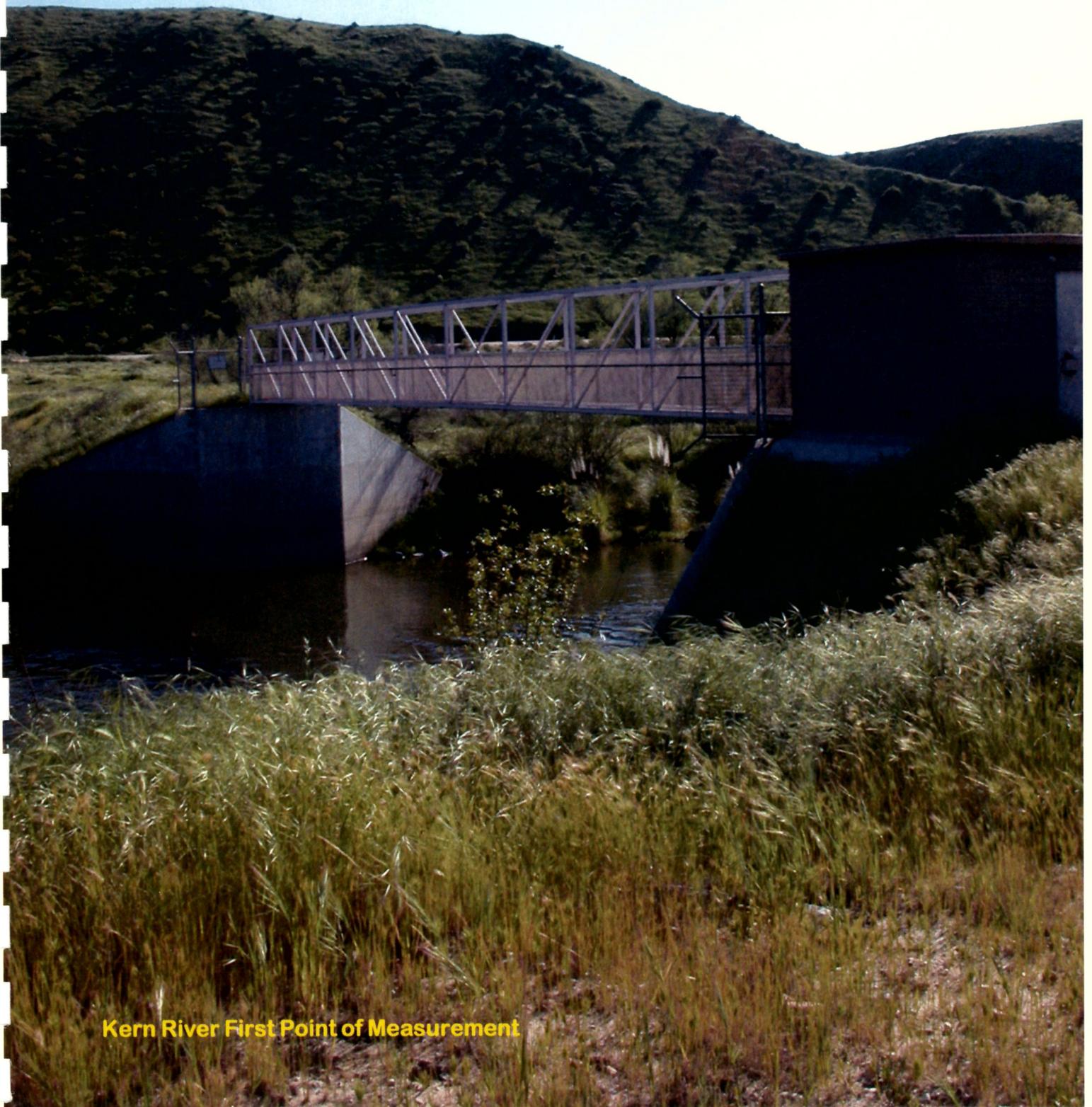
Year: 2004

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

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 ALLOCATION & WATERMASTER SUMMARIES



Kern River First Point of Measurement

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

Year: 2004

Quantities in acre-feet

	Five Year Total					Allocation Percentage	
	2000	2001	2002	2003	2004		
Carrier Canal at Head	170,098	189,997	205,190	208,245	189,266	962,796	99.90%
Oilfield Discharge	93	184	121	0	0	398	0.04%
Storm Drain Inflow	123	141	121	99	129	613	0.06%
TOTAL CARRIER CANAL FLOW	170,314	190,322	205,432	208,344	189,395	963,807	100.00%

Kern Island Canal (1)	137,692	130,955	138,274	147,653	137,612	692,186	71.82%
Eastside Canal	16,126	13,816	13,928	14,079	12,285	70,234	7.29%
Kern Delta WD via Levee #1	11,880	17,835	15,146	30,735	26,735	102,331	10.62%
KERN DELTA WATER DISTRICT TOTAL	165,698	162,606	167,348	192,467	176,632	864,751	89.73%

Via Kern Island Canal	0	0	0	1,154	0	1,154	0.12%
Carrier Waste Gate	6	0	32	562	202	802	0.08%
Kern River Conduit via Levee #1	4,610	27,716	38,052	14,161	12,561	97,100	10.07%
CITY OF BAKERSFIELD TOTAL	4,616	27,716	38,084	15,877	12,763	99,056	10.27%

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

CARRIER CANAL BELOW FOUR WEIRS - ALLOCATION

Utilization of Water - Preceding Five Years

Quantities in acre-feet

Year: 2004

	2000	2001	2002	2003	2004	Five Year Total	Allocation Percentage
TOTAL CARRIER CANAL FLOW (1)	87,004	71,528	42,613	80,549	62,922	344,616	100.00%

Stine Canal Total Diverted (2)	18,871	0	1,407	23,908	15,214	59,400	17.24%
Arvin-Edison Turnout Total Diverted (2)	4,723	0	0	54	0	4,777	1.39%
Buena Vista Canal Total Diverted (2)	25,200	17,027	18,546	30,968	20,033	111,774	32.43%
River Canal Total Diverted (3)	746	2,253	730	1,519	577	5,825	1.69%
KERN DELTA WATER DISTRICT TOTAL DIVERTED FROM CARRIER CANAL	49,540	19,280	20,683	56,449	35,824	181,776	52.75%

KERN RIVER CONDUIT (City of Bakersfield)	37,464	52,248	21,930	24,100	27,098	162,840	47.25%
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- Notes: (1) Sum of Carrier Canal flow at Oak Street and River Canal inflow.
 (2) Sum of headgate diversion and pro-rated share of Carrier Canal loss.
 (3) Includes diversions to Pioneer Project via River Canal.

CALLOWAY AND BEARDSLEY CANALS

Allocation of Joint Accounts
2004

CALLOWAY CANAL USED

Preceding Ten Years

Year	Diverted via Calloway Canal				
	NKWSD	CITY	Subtotal	ID4	TOTAL
1995	112,624	16,380	129,004	45,914	174,918
1996	40,699	7,266	47,965	39,140	87,105
1997	59,207	14,927	74,134	46,814	120,948
1998	97,572	10,684	108,256	33,124	141,380
1999	11,873	611	12,484	30,624	43,108
2000	97	0	97	32,258	32,355
2001	0	0	0	9,034	9,034
2002	0	0	0	24,450	24,450
2003	0	0	0	10,688	10,688
2004	0	0	0	19,126	19,126
Total	322,072	49,868	371,940	291,172	663,112
Percent	86.59%	13.41%	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				
2000	129,567	1,621	131,188	14,688	145,876	62,352	208,228
2001	76,123	593	76,716	10,743	87,459	47,167	134,626
2002	68,052	103	68,155	10,287	78,442	55,745	134,187
2003	106,579	488	107,067	10,711	117,778	61,560	179,338
2004	110,049	350	110,399	10,425	120,824	53,989	174,813
Total	490,370	3,155	493,525	56,854	550,379	280,813	831,192
Percent	89.10%	0.57%	89.67%	10.33%	100.00%		

Quantities in acre-feet
except where noted...

Year: 2004

IMPROVEMENT DISTRICT NO. 4 USE OF CALLOWAY CANAL
Pursuant to Calloway Canal Agreement dated April 28, 1982

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Operating Loss	0	0	30	216	236	248	288	256	220	64	0	0	1,558
Treatment Plant	0	0	0	1,984	2,538	3,104	3,122	3,183	2,691	807	0	0	17,429
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	0	45	10	2	0	16	22	36	8	0	0	139
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	0	75	2,210	2,776	3,352	3,426	3,461	2,947	879	0	0	19,126
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	\$0.75
Escalator	1,430	1,430	1,430	1,430	1,430	1,430	1,430	1,430	1,430	1,430	1,430	1,430	1,430
Current Rate	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07
SUB-TOTAL CHARGE	\$0.00	\$0.00	\$80.25	\$2,364.70	\$2,970.32	\$3,586.64	\$3,665.82	\$3,703.27	\$3,153.29	\$940.53	\$0.00	\$0.00	\$20,464.82
W	0	0	0	0	0	0	0	0	0	0	0	0	0
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
NKWS 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
E C	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	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07	\$1.07
R H	\$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
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	\$0.00	\$80.25	\$2,364.70	\$2,970.32	\$3,586.64	\$3,665.82	\$3,703.27	\$3,153.29	\$940.53	\$0.00	\$0.00	\$20,464.82

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

Year: 2004

Quantities in acre-feet

Canal	Year					Five Year Total	Percentage
	2000	2001	2002	2003	2004		
Kern Island	137,708	124,148	127,900	145,502	133,708	668,966	37.63%
Eastside	16,042	13,816	13,928	14,079	12,285	70,150	3.95%
Buena Vista	18,067	11,263	12,827	20,577	13,153	75,887	4.27%
Stine	12,622	5,930	7,719	19,184	13,482	58,937	3.32%
Farmers	12,097	5,224	7,710	14,608	10,745	50,384	2.83%
Subtotal Kern Delta WD	196,536	160,381	170,084	213,950	183,373	924,324	52.00%

City of Bakersfield	72,504	44,026	33,208	64,582	41,589	255,909	14.40%
K.R.C. & I. Co. (Beardsley)	11,571	8,460	7,960	8,395	9,085	45,471	2.56%
Central - I.D. #4 (Calloway)	32,258	9,034	24,450	10,688	19,126	95,556	5.37%
James	0	0	0	0	0	0	0.00%
Pioneer	0	2,179	0	0	0	2,179	0.12%
Subtotal City of Bakersfield	116,333	63,699	65,618	83,665	69,800	399,115	22.45%

North Kern WSD	108,839	80,299	52,551	108,374	104,012	454,075	25.55%
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Total First Point Group	421,708	304,379	288,253	405,989	357,185	1,777,514	100.00%
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South Fork	900	474	160	162	114		
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- Note:

ALL FIGURES REFLECT
GROSS DIVERSIONS...

First Point Passing 2nd Point	0	0	0	0	0	0	0
River Loss and Spreading	34,935	37,914	57,115	46,399	28,787		
Flow Above First Point	2,869	2,847	3,163	8,383	18,107		

Total 1st Point Group Diverted	460,412	345,614	348,691	460,933	404,193		
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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: 2004

Year	Acre-Foot Days of Irrigation Storage			Isabella O&M Charges (2)
	NKWSD (1)	BVWSD	Total A.F.D.	
2000	30,676,075	27,075,766	57,751,841	\$390,887
2001	21,539,350	19,955,860	41,495,210	(3) \$366,015
2002	20,532,190	13,690,799	34,222,989	\$366,015
2003	37,777,781	21,519,712	59,297,493	(4) \$0
2004	27,597,821	17,108,460	44,706,281	\$71,928
5-Year Totals	138,123,217	99,350,597	237,473,814	\$1,194,845

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

- Total 5-Year Operation & Interest Charge..... \$2,338,095

Total 5-Year Cost	=	\$2,338,095	=	\$0.0098457
Total 5-Year Use		237,473,814		Rental Charge Per Acre-Foot Day

TOTAL 2004 HACIENDA WD Acre-Foot Storage Days = 0

TOTAL 2004 HACIENDA WD Share of 2004 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 (includes contract administration charges by the U.S.B.R.)
- (3) Reflects revised Isabella Reservoir O&M Charges for years 2001-2003
 pursuant to Corps of Engineers billing statement dated February 1, 2000...
- (4) Reflects reconciliation for overpayment of Isabella Reservoir O&M Charges for
 years 1999-2002 pursuant to Corps of Engineers letter dated May 1, 2003...

KERN COUNTY RECREATION POOL REPORT FROM THE KERN RIVER WATERMASTER

Quantities in acre-feet
except where noted...

Year: 2004

	Total Storage in Reservoir	Total Water Surface Area (Acres)	Area		Total Reservoir Loss	County of Kern	
			Total Water Surface Area (Acres)	Area Attributable to Rec. Pool (Acres)		Ming Lake Net Inflow	Recreation Pool Loss
End of Previous Year	148,505	5,483	5,483	765	827	16	117
January	151,263	5,549	5,549	760	575	16	73
February	157,903	5,705	5,705	740	2,027	44	228
March	191,946	6,453	6,453	655	3,283	60	315
April	203,310	6,684	6,684	630	4,852	77	415
May	227,733	7,153	7,153	580	6,083	105	512
June	206,939	6,756	6,756	620	6,526	127	704
July	161,697	5,793	5,793	730	5,062	121	774
August	120,476	4,770	4,770	860	3,658	91	748
September	98,495	4,152	4,152	945	1,791	65	415
October	94,727	4,040	4,040	960	1,029	42	248
November	94,163	4,023	4,023	965	633	26	151
December	94,083	4,021	4,021	965	36,346	790	4,700
TOTALS							

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: 2004

	CALENDAR YEAR			
	FIRST POINT		YEAR	
	REGULATED	NATURAL	NKWS	ENTITLEMENT
JANUARY	19,772	23,359	23,359	0
To Date	19,772	23,359	23,359	0
FEBRUARY	17,917	25,131	25,131	0
	37,689	48,490	48,490	0
MARCH	34,389	70,461	53,911	16,550
	72,078	118,951	102,401	16,550
APRIL	49,551	64,197	49,454	14,743
	121,629	183,148	151,855	31,293
MAY	49,068	78,343	59,290	19,053
	170,697	261,491	211,145	50,346
JUNE	71,088	56,378	44,126	12,252
	241,785	317,869	255,271	62,598
JULY	61,801	23,084	21,465	1,619
	303,586	340,953	276,736	64,217
AUGUST	48,508	12,349	12,349	0
	352,094	353,302	289,085	64,217
SEPTEMBER	27,646	9,322	9,322	0
	379,740	362,624	298,407	64,217
OCTOBER	15,009	13,031	13,031	0
	394,749	375,655	311,438	64,217
NOVEMBER	14,041	14,507	14,507	0
	408,790	390,162	325,945	64,217
DECEMBER	16,589	17,143	17,143	0
Year	425,379	407,305	343,088	64,217

1894 to 2004 Mean April-July Runoff = 464,430 acre-feet (100% of Average)
2004 April-July Runoff = 222,002 acre-feet (48% of Average)

	WATER YEAR			
	FIRST POINT		YEAR	
	REGULATED	NATURAL	NKWS	ENTITLEMENT
OCTOBER	29,364	10,798	10,798	0
To Date	29,364	10,798	10,798	0
NOVEMBER	12,795	12,962	12,962	0
	42,149	23,760	23,760	0
DECEMBER	17,724	18,301	18,301	0
	59,873	42,061	42,061	0
JANUARY	19,772	23,359	23,359	0
	79,645	65,420	65,420	0
FEBRUARY	17,917	25,131	25,131	0
	97,562	90,551	90,551	0
MARCH	34,389	70,461	53,911	16,550
	131,951	161,012	144,462	16,550
APRIL	49,551	64,197	49,454	14,743
	181,502	225,209	193,916	31,293
MAY	49,068	78,343	59,290	19,053
	230,570	303,552	253,206	50,346
JUNE	71,088	56,378	44,126	12,252
	301,658	359,930	297,332	62,598
JULY	61,801	23,084	21,465	1,619
	363,459	383,014	318,797	64,217
AUGUST	48,508	12,349	12,349	0
	411,967	395,363	331,146	64,217
SEPTEMBER	27,646	9,322	9,322	0
Year	439,613	404,685	340,468	64,217

1894 to 2004 Mean March-October Runoff = 596,876 acre-feet (100% of Average)
2004 March-October Runoff = 327,165 acre-feet (55% of Average)

QUANTITIES IN ACRE-FEET

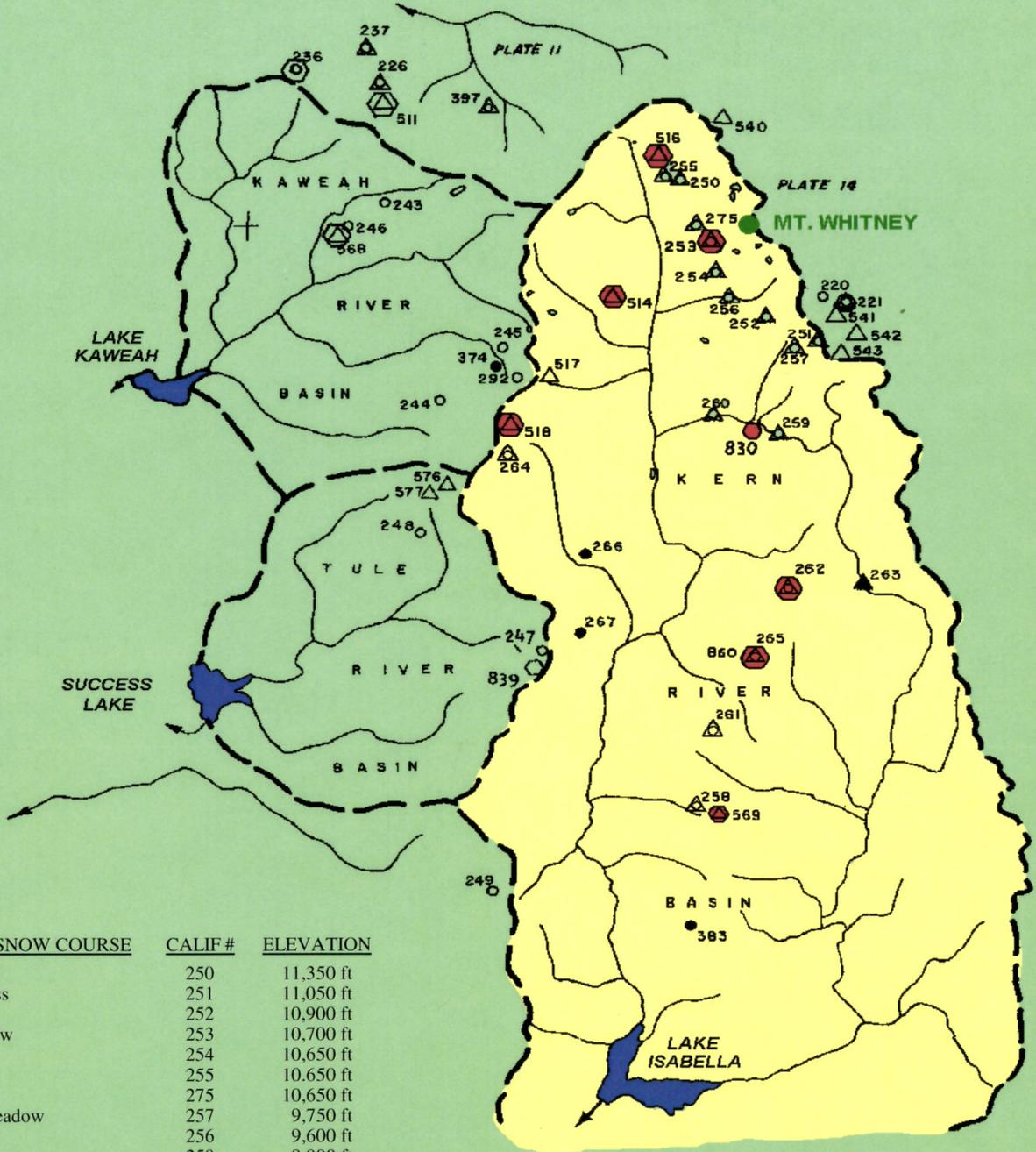
Isabella Dam & Reservoir
Midnight Storage Recapitulation

Year: 2004

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	148,615	151,319	158,646	192,850	203,978	227,590	205,656	160,139	119,477	98,081	94,687	94,123
2	148,780	151,597	159,276	193,434	204,918	227,518	204,514	158,589	118,389	97,833	94,727	94,083
3	148,890	151,762	159,678	193,952	205,993	227,662	203,644	157,049	117,169	97,503	94,727	94,002
4	148,835	151,985	160,081	194,472	207,479	227,805	202,708	155,575	115,956	97,091	94,687	93,962
5	148,780	152,097	160,541	194,993	209,447	227,232	201,310	154,111	114,845	96,722	94,647	93,922
6	148,725	152,208	161,119	195,516	211,358	226,518	199,786	152,487	113,694	96,435	94,606	93,882
7	148,835	152,320	161,640	195,972	212,935	225,807	198,136	150,930	112,825	96,149	94,566	93,882
8	148,890	152,487	162,161	196,692	214,312	225,095	196,299	149,329	111,961	95,904	94,566	93,882
9	148,890	152,599	162,859	197,610	215,626	224,386	194,472	147,521	111,192	95,741	94,566	93,801
10	148,945	152,711	163,733	198,796	216,666	223,819	193,239	145,401	110,470	95,578	94,566	93,801
11	149,054	152,822	164,728	199,521	217,988	223,323	191,881	143,250	109,887	95,497	94,566	93,761
12	149,274	152,990	165,668	199,918	219,106	222,899	190,208	141,277	109,261	95,416	94,566	93,681
13	149,494	153,046	166,670	200,183	219,945	222,265	188,544	139,743	108,460	95,335	94,525	93,601
14	149,715	153,102	167,676	200,117	220,928	221,560	186,826	138,483	107,575	95,214	94,525	93,480
15	149,880	153,157	168,746	200,117	222,124	220,996	185,054	137,282	106,739	95,132	94,485	93,400
16	150,101	153,269	169,879	200,249	223,394	220,366	183,544	136,036	105,993	95,051	94,445	93,281
17	150,322	153,437	171,198	200,579	224,173	219,734	182,416	134,850	105,253	95,011	94,404	93,201
18	150,376	153,717	172,643	200,911	224,882	219,244	181,292	133,516	104,559	95,011	94,325	93,121
19	150,487	153,942	174,279	200,978	225,593	218,826	179,987	132,243	103,954	95,173	94,244	93,081
20	150,709	154,111	175,986	201,044	225,878	218,127	178,627	131,129	103,438	95,497	94,163	93,002
21	150,819	154,223	177,703	201,177	226,092	217,292	177,211	130,222	102,923	95,578	94,083	92,962
22	150,875	154,336	179,431	201,177	226,234	216,319	175,741	129,319	102,411	95,497	94,043	92,922
23	150,819	154,504	181,169	201,177	226,518	215,280	174,218	128,172	101,899	95,295	94,043	92,882
24	150,764	154,616	182,979	201,443	226,732	214,105	172,885	126,982	101,433	95,132	94,043	92,802
25	150,764	155,010	184,549	201,843	227,018	213,004	171,619	125,750	101,051	94,970	94,043	92,762
26	150,764	155,970	186,064	202,174	227,304	211,975	170,238	124,625	100,629	95,011	94,043	92,762
27	150,819	156,765	187,779	202,374	227,447	210,947	168,627	123,749	100,125	95,011	94,083	92,922
28	151,041	157,389	188,992	202,574	227,518	209,719	166,788	123,071	99,537	94,930	94,244	93,321
29	151,152	157,903	189,951	202,975	227,948	208,292	165,080	122,297	98,995	94,849	94,204	93,681
30	151,208	-	190,914	203,310	227,948	206,939	163,383	121,432	98,495	94,768	94,163	93,761
31	151,263	-	191,946	-	227,733	-	161,697	120,476	-	94,727	-	94,083
MAXIMUM DAY	151,263	157,903	191,946	203,310	227,948	227,805	205,656	160,139	119,477	98,081	94,727	94,123
MINIMUM DAY	148,615	151,319	158,646	192,850	203,978	206,939	161,697	120,476	98,495	94,727	94,043	92,762

KERN RIVER BASIN

Drainage Basin Above Lake Isabella = 2,074 Square Miles

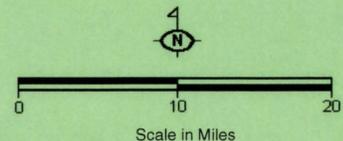


KERN RIVER SNOW COURSE **CALIF #** **ELEVATION**

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



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

JANUARY 2004

Quantities in S.F.D. except where noted

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR MIDNIGHT STORAGE ACRE-FEET	RESERVOIR S.F.D. LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	STORAGE IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW DAY
							+1ST POINT REGULATED FLOW	-1ST POINT NATURAL FLOW						RIVER	KERN	
Previous Day	2556.67	148,505	74,871	9	345	363	344	344	344	74,871	59,653	1	0	0	0	0
1	2556.69	148,615	74,927	2	350	370	428	428	428	74,927	59,709	0	0	0	0	0
2	2556.72	148,780	75,010	2	358	373	458	458	458	75,010	59,792	0	0	0	0	0
3	2556.74	148,890	75,065	9	358	371	435	435	435	75,065	59,847	1	0	0	0	0
4	2556.73	148,835	75,038	17	357	372	362	362	356	75,032	59,814	2	0	0	0	0
5	2556.72	148,780	75,010	6	349	366	344	344	354	75,014	59,796	1	0	0	0	0
6	2556.71	148,725	74,982	13	351	371	356	356	375	75,005	59,787	2	0	0	0	0
7	2556.73	148,835	75,038	4	351	365	425	425	394	75,030	59,812	1	0	0	0	0
8	2556.74	148,890	75,065	8	347	367	402	402	403	75,058	59,840	1	0	0	0	0
9	2556.74	148,890	75,065	17	350	366	383	383	397	75,072	59,854	2	0	0	0	0
10	2556.75	148,945	75,093	13	350	365	406	406	387	75,081	59,863	2	0	0	0	0
11	2556.77	149,054	75,148	15	286	300	370	370	393	75,159	59,941	2	0	0	0	0
12	2556.81	149,274	75,259	11	262	280	402	402	392	75,260	60,042	3	0	0	0	0
13	2556.85	149,494	75,370	19	257	275	405	405	404	75,370	60,152	2	0	0	0	0
14	2556.89	149,715	75,481	19	257	275	405	405	394	75,470	60,252	3	0	0	0	0
15	2556.92	149,880	75,565	17	251	270	371	371	388	75,571	60,353	2	0	0	0	0
16	2556.96	150,101	75,676	8	255	270	389	389	385	75,678	60,460	1	0	0	0	0
17	2557.00	150,322	75,787	11	255	272	394	394	378	75,773	60,555	2	0	0	0	0
18	2557.01	150,376	75,815	15	290	308	351	351	380	75,830	60,612	2	0	0	0	0
19	2557.03	150,487	75,871	19	300	320	395	395	380	75,871	60,653	3	0	0	0	0
20	2557.07	150,709	75,982	10	295	316	437	437	437	75,982	60,764	1	0	0	0	0
21	2557.09	150,819	76,038	4	301	317	377	377	436	76,037	60,819	1	0	0	0	0
22	2557.10	150,875	76,066	21	306	325	374	374	363	76,044	60,826	3	0	0	0	0
23	2557.09	150,819	76,038	13	306	323	308	308	337	76,045	60,827	2	0	0	0	0
24	2557.08	150,764	76,010	26	315	332	330	330	322	76,009	60,791	4	0	0	0	0
25	2557.08	150,764	76,010	17	289	310	327	327	324	76,006	60,788	2	0	0	0	0
26	2557.08	150,764	76,010	23	275	292	315	315	324	76,015	60,797	3	0	0	0	0
27	2557.09	150,819	76,038	11	272	291	330	330	325	76,038	60,820	2	0	0	0	0
28	2557.13	151,041	76,150	10	286	304	426	426	426	76,150	60,932	1	0	0	0	0
29	2557.15	151,152	76,206	13	310	325	394	394	377	76,189	60,971	2	0	0	0	0
30	2557.16	151,208	76,234	23	268	291	342	342	359	76,234	61,016	3	0	0	0	0
31	2557.17	151,263	76,262	21	270	287	336	336	336	76,262	61,044	3	0	0	0	0
TOTAL SECOND FOOT DAYS				417	9,427	9,969	11,777	11,777	11,777	76,262	61,044	59	0	0	0	0
TOTAL ACRE-FEET				827	18,698	1,074	19,772	23,359	23,359	151,263	121,079	117	0	0	0	0

By:  Date: February 23, 2004

REPORT OF THE KERN RIVER WATERMASTER

JANUARY 2004

Quantities in S.F.D. except where noted

PAGE 2 of 5

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	ENT'L AT 1ST POINT		FLOW ABOVE 1ST POINT		RESERVOIR STORAGE		ENT'L AT 1ST POINT		VIA AT 2ND POINT		FLOW ABOVE 1ST PT. CARMEL La		RESERVOIR STORAGE		ENTITLEMENT Contributed by:		FLOW ABOVE 1ST POINT		RESERVOIR STORAGE																																											
	POINT	POINT	POINT	POINT	LOSS	STORAGE	POINT	POINT	KDWD	POINT	INC.	La	LOSS	STORAGE	NKWS	BVWS	POINT	POINT	LOSS	STORAGE																																										
Previous Day	344	345	18	6	37,004	0	0	0	0	0	0	0	3	22,649			0	0	0	0																																										
1	428	350	20	1	37,061	0	0	0	0	0	0	1	22,648			0	0	0	0	0																																										
2	458	358	15	1	37,145	0	0	0	0	0	0	1	22,647			0	0	0	0	0																																										
3	435	357	13	6	37,204	0	0	0	1	0	0	3	22,643			0	0	0	0	0																																										
4	356	352	15	11	37,182	0	0	0	5	0	0	6	22,632			0	0	0	0	0																																										
5	354	344	17	4	37,171	0	0	0	5	0	0	2	22,625			0	0	0	0	0																																										
6	375	346	19	8	37,173	0	0	0	5	0	1	5	22,614			0	0	0	0	0																																										
7	394	346	14	3	37,204	0	0	0	5	0	0	1	22,608			0	0	0	0	0																																										
8	403	342	19	5	37,241	0	0	0	5	0	1	3	22,599			0	0	0	0	0																																										
9	397	346	16	11	37,265	0	0	0	4	0	0	6	22,589			0	0	0	0	0																																										
10	387	350	15	8	37,279	0	0	0	0	0	0	5	22,584			0	0	0	0	0																																										
11	393	286	13	10	37,363	0	0	0	0	0	1	5	22,578			0	0	0	0	0																																										
12	392	262	18	7	37,468	0	0	0	0	0	0	4	22,574			0	0	0	0	0																																										
13	404	257	17	12	37,586	0	0	0	0	0	1	7	22,566			0	0	0	0	0																																										
14	394	257	18	12	37,693	0	0	0	0	0	0	7	22,559			0	0	0	0	0																																										
15	388	251	19	11	37,800	0	0	0	0	0	0	6	22,553			0	0	0	0	0																																										
16	385	255	14	5	37,911	0	0	0	0	0	1	3	22,549			0	0	0	0	0																																										
17	378	255	17	7	38,010	0	0	0	0	0	0	4	22,545			0	0	0	0	0																																										
18	380	290	17	10	38,073	0	0	0	0	0	1	5	22,539			0	0	0	0	0																																										
19	380	300	20	12	38,121	0	0	0	0	0	0	7	22,532			0	0	0	0	0																																										
20	437	295	21	6	38,236	0	0	0	0	0	0	4	22,528			0	0	0	0	0																																										
21	376	301	15	3	38,293	0	0	0	0	0	1	1	22,526			0	0	0	0	0																																										
22	353	306	19	14	38,307	0	0	0	0	0	0	7	22,519			0	0	0	0	0																																										
23	337	306	17	8	38,313	0	0	0	0	0	0	5	22,514			0	0	0	0	0																																										
24	322	315	16	17	38,287	0	0	0	0	0	1	9	22,504			0	0	0	0	0																																										
25	324	289	21	11	38,290	0	0	0	0	0	0	6	22,498			0	0	0	0	0																																										
26	324	271	17	15	38,311	0	0	0	4	0	0	8	22,486			0	0	0	0	0																																										
27	325	264	18	7	38,347	0	0	0	8	0	1	4	22,473			0	0	0	0	0																																										
28	426	278	18	6	38,471	0	0	0	8	0	0	4	22,461			0	0	0	0	0																																										
29	377	301	15	8	38,524	0	0	0	9	0	0	5	22,447			0	0	0	0	0																																										
30	359	264	22	15	38,582	0	0	0	4	0	1	8	22,434			0	0	0	0	0																																										
31	336	265	17	14	38,622	0	0	0	5	0	0	7	22,422			0	0	0	0	0																																										
S.F.D.	11,777	9,359	532	268	38,622	0	0	0	68	0	10	149	22,422			0	0	0	0	0																																										
AC.F.T.	23,359	18,562	1,055	531	76,606	0	0	0	136	0	19	296	44,473			0	0	0	0	0																																										
TOTAL ACRE-FOOT STORAGE DAYS																				2,325,684	TOTAL ACRE-FOOT STORAGE DAYS																				1,386,438	TOTAL ACRE-FOOT STORAGE DAYS																				0

REPORT OF THE KERN RIVER WATERMASTER

JANUARY 2004
 WATERMASTER NOTES *** KERN RIVER BULLETIN

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

SNOW SURVEY DATA FOR KERN RIVER BASIN

Date: February 1, 2004

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
Bighorn Plateau	Upper Tyndall Creek	516	11,400	27.7	1-28	50.7	22%	11.3	41%	DWR
Cottonwood Pass		250	11,350	23.7	1-28	42.4	32%	13.6	57%	DWR
Siberian Pass		251	11,050	14.8	1-26	30.5	32%	9.9	67%	DWR
Crabtree Meadow		252	10,900	20.0	1-26	37.5	28%	10.6	53%	DWR
		253	10,700	19.6	1-27	38.0	28%	10.5	54%	DWR
	Crabtree Meadow	253	10,700	19.8						
		254	10,650	20.8	1-27	39.0	28%	10.9	52%	DWR
		255	10,650	18.8	1-29	39.2	30%	11.6	62%	DWR
		275	10,650	19.2	1-28	38.4	28%	10.8	56%	DWR
	Chagoopa Plateau	514	10,300	21.8						
		257	9,750	17.2	1-31	30.4	29%	8.8	51%	DWR
		256	9,600	17.8	1-27	39.1	29%	11.3	63%	DWR
		569	9,150	24.9	1-31	54.8	39%	21.6	87%	USFS
	Pascoe	258	9,000	24.1	1-31	47.7	34%	16.2	67%	USFS
		518	8,950	30.3						
	Wet Meadow	830	8,900	15.6	2-01	24.5	29%	7.0	45%	DWR
	Tunnel Guard	259	8,700	11.5	2-01	23.5	22%	5.2	45%	DWR
		260	8,500	12.9	1-31	32.5	29%	9.4	73%	DWR
		264	8,350	18.9						
	Little Whitney Meadow	261	8,300	13.6	1-31	28.9	29%	8.3	61%	USFS
	Quinn Ranger Station	262	8,300	19.8	1-31	41.4	34%	14.1	71%	USFS
	Bonita Meadows	262	8,300	20.9						
	Casa Vieja Meadows	262	8,300	8.3	1-30	27.3	30%	8.2	99%	USFS
		265	7,650	8.3	1-30	22.5	34%	7.7	70%	USFS
	Beach Meadows	860	7,650	11.0						
	Dead Horse Meadow	249	7,300	10.7						

CALIFORNIA COOPERATIVE SNOW SURVEYS FORECAST as of FEBRUARY 1, 2004 for KERN RIVER INFLOW TO ISABELLA RESERVOIR...
 April-July = 340,000 acre-feet (72% of Average) *** Water Year = 505,000 acre-feet (68% of Average)
 80 Percent Probability Range (Actual runoff should fall within the stated limits eight times out of ten)...
 April-July = 160,000 AcFt (34% of Average) to 700,000 AcFt (149% of Average) *** Water Year = 420,000 AcFt (57% of Average) to 900,000 AcFt (121% of Average)

REPORT OF THE KERN RIVER WATERMASTER

FEBRUARY 2004

Quantities in S.F.D. except where noted

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED NATURAL FLOW	MEAN TOTAL IRRIGATION	STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW	DAY
		MIDNIGHT STORAGE	LOSS				REGULATED FLOW	+1ST POINT REGULATED FLOW						1ST POINT NATURAL FLOW	KERN RIVER		
Previous Day	2557.17	151,263	76,262	21	270	287	336	336	336	76,262	61,044	3	0	0	0	0	
1	2557.18	151,319	76,290	16	266	284	328	328	328	76,290	61,072	2	0	0	0	0	1
2	2557.23	151,597	76,430	2	269	287	429	429	429	76,430	61,212	0	0	0	0	0	2
3	2557.26	151,762	76,513	2	276	293	378	378	392	76,527	61,309	0	0	0	0	0	3
4	2557.30	151,985	76,626	18	275	290	421	421	383	76,602	61,384	2	0	0	0	0	4
5	2557.32	152,097	76,682	12	267	283	351	351	371	76,678	61,460	2	0	0	0	0	5
6	2557.34	152,208	76,738	15	257	271	342	342	349	76,741	61,523	2	0	0	0	0	6
7	2557.36	152,320	76,795	26	255	270	353	353	349	76,794	61,576	4	0	0	0	0	7
8	2557.39	152,487	76,879	5	248	263	352	352	349	76,875	61,657	1	0	0	0	0	8
9	2557.41	152,599	76,935	16	250	269	341	342	342	76,932	61,714	2	0	0	0	0	9
10	2557.43	152,711	76,992	8	248	267	332	332	335	76,992	61,774	1	0	0	0	0	10
11	2557.45	152,822	77,048	3	254	273	332	332	353	77,069	61,851	0	0	0	0	0	11
12	2557.48	152,990	77,133	25	266	285	395	395	353	77,112	61,894	3	0	0	0	0	12
13	2557.49	153,046	77,161	15	270	288	331	331	355	77,164	61,946	2	0	0	0	0	13
14	2557.50	153,102	77,189	23	271	289	340	340	334	77,186	61,968	3	0	0	0	0	14
15	2557.51	153,157	77,217	16	267	286	330	330	340	77,224	62,006	2	0	0	0	0	15
16	2557.53	153,269	77,273	13	263	282	351	351	363	77,292	62,074	2	0	0	0	0	16
17	2557.56	153,437	77,358	15	285	307	407	410	410	77,380	62,162	2	0	0	0	0	17
18	2557.61	153,717	77,499	2	312	330	473	460	460	77,508	62,290	0	0	0	0	0	18
19	2557.65	153,942	77,612	4	370	384	501	487	487	77,607	62,389	1	0	0	0	0	19
20	2557.68	154,111	77,698	7	378	394	487	477	477	77,683	62,465	1	0	0	0	0	20
21	2557.70	154,223	77,754	2	371	386	444	456	456	77,751	62,533	0	0	0	0	0	21
22	2557.72	154,336	77,811	2	364	377	436	451	451	77,823	62,605	0	0	0	0	0	22
23	2557.75	154,504	77,896	2	367	385	472	447	447	77,883	62,665	0	0	0	0	0	23
24	2557.77	154,616	77,952	8	350	368	432	445	445	77,952	62,734	1	0	0	0	0	24
25	2557.84	155,010	78,151	2	357	373	574	574	574	78,151	62,933	0	0	0	0	0	25
26	2558.01	155,970	78,635	2	366	384	870	870	870	78,635	63,417	0	0	0	0	0	26
27	2558.15	156,765	79,036	4	292	307	712	712	712	79,036	63,818	1	0	0	0	0	27
28	2558.26	157,389	79,350	8	266	280	602	602	602	79,350	64,132	1	0	0	0	0	28
29	2558.35	157,903	79,609	17	264	278	554	554	554	79,609	64,391	2	0	0	0	0	29
TOTAL SECOND FOOT DAYS				290	8,544	9,033	12,670	12,670	12,670	79,609	64,391	37	0	0	0	0	
TOTAL ACRE-FEET				575	16,947	17,917	25,131	25,131	25,131	157,903	127,719	73	0	0	0	0	

By: *[Signature]* Date: _____

March 18, 2004

DAY	NORTH KERN WATER STORAGE DISTRICT				BUENA VISTA WATER STORAGE DISTRICT				HACIENDA WATER DISTRICT									
	ENT'L AT 1ST POINT	FLOW ABOVE 1ST POINT	RESERVOIR LOSS STORAGE	ENT'L AT 1ST POINT	VIA KDWD	AT 2ND POINT	FLOW ABOVE 1ST PT. CARMEL La	RESERVOIR LOSS STORAGE	ENTITLEMENT Contributed by: NKWSD BVWSD	FLOW ABOVE 1ST POINT	RESERVOIR LOSS STORAGE	DAY						
1	336	265	17	14	38,622	0	5	0	0	0	7	22,422	0	0	1			
2	328	246	18	10	38,676	0	20	0	0	0	6	22,396	0	0	2			
3	429	252	18	1	38,834	0	17	0	0	0	1	22,378	0	0	3			
4	392	259	17	1	38,949	0	17	0	0	0	1	22,360	0	0	4			
5	383	259	15	12	39,046	0	16	0	0	0	6	22,338	0	0	5			
6	371	256	16	8	39,137	0	11	0	0	0	4	22,323	0	0	6			
7	349	257	14	10	39,205	0	0	0	0	0	5	22,318	0	0	7			
8	349	230	15	3	39,369	0	18	0	0	0	2	22,288	0	0	8			
9	342	250	19	10	39,432	0	0	0	0	0	6	22,282	0	0	9			
10	335	248	19	5	39,495	0	0	0	0	0	3	22,279	0	0	10			
11	353	222	18	2	39,606	0	32	0	1	1	1	22,245	0	0	11			
12	353	249	19	16	39,675	0	17	0	0	0	9	22,219	0	0	12			
13	355	231	17	10	39,772	0	39	0	1	1	5	22,174	0	0	13			
14	334	233	18	15	39,840	0	38	0	0	0	8	22,128	0	0	14			
15	340	238	18	11	39,913	0	29	0	1	1	5	22,093	0	0	15			
16	363	230	19	9	40,018	0	33	0	0	0	4	22,056	0	0	16			
17	410	258	21	10	40,139	0	27	0	1	1	5	22,023	0	0	17			
18	460	288	18	1	40,292	0	24	0	0	0	1	21,998	0	0	18			
19	487	364	14	3	40,398	0	6	0	0	0	1	21,991	0	0	19			
20	477	369	16	5	40,485	0	9	0	0	0	2	21,980	0	0	20			
21	456	368	15	1	40,557	0	3	0	0	0	1	21,976	0	0	21			
22	451	361	13	1	40,633	0	3	0	0	0	1	21,972	0	0	22			
23	447	361	18	1	40,700	0	6	0	0	0	1	21,965	0	0	23			
24	445	343	18	5	40,779	0	7	0	0	0	3	21,955	0	0	24			
25	574	346	16	1	40,990	0	11	0	0	0	1	21,943	0	0	25			
26	870	360	18	1	41,481	0	6	0	0	0	1	21,936	0	0	26			
27	712	286	15	3	41,889	0	6	0	0	0	1	21,929	0	0	27			
28	602	258	14	5	42,214	0	8	0	0	0	3	21,918	0	0	28			
29	554	256	14	11	42,487	0	8	0	0	0	6	21,904	0	0	29			
S.F.D.	12,670	8,133	484	188	42,487	0	411	0	5	102	21,904	0	0	0	S.F.D.			
AC.FT.	25,131	16,132	960	373	84,273	0	815	0	10	202	43,446	0	0	0	AC.FT.			
TOTAL ACRE-FOOT STORAGE DAYS												2,307,329	TOTAL ACRE-FOOT STORAGE DAYS		1,272,743	TOTAL ACRE-FOOT STORAGE DAYS		0

FEBRUARY 2004

WATERMASTER NOTES *** KERN RIVER BULLETIN

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

February
None

**TABLE OF WATER DIVERSIONS VIA THE
KERN RIVER / CALIFORNIA AQUEDUCT INTERTIE**

Quantities in acre-feet
Except where noted...

YEAR	KERN RIVER WATER	DAYS OF OPERATION	FRIANT-KERN WATER	DAYS OF OPERATION	TOTAL WATER	TOTAL DAYS OF OPERATION	KERN RIVER ANNUAL FLOW IN % OF NORMAL
1978	168,818	84	9,113	16	177,931	84	235%
1980	138,816	112	0	0	138,816	112	212%
1982	10,339	13	11,968	21	22,307	34	171%
1983	664,036	283	96,200	83	760,236	338	331%
1984	26,720	40	0	0	26,720	40	91%
1986	1,868	3	15,580	22	17,448	25	190%
1997	1,793	7	51,055	48	52,848	48	122%
1998	130,226	71	57,822	44	188,048	97	244%
TOTALS	1,142,616	613	241,738	234	1,384,354	778	

Quantities in S.F.D. except where noted

MARCH 2004

REPORT OF THE KERN RIVER WATERMASTER

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW		FRIANT-KERN INFLOW DAY
		MIDNIGHT STORAGE	RESERVOIR STORAGE					+1ST POINT REGULATED FLOW	-1ST POINT NATURAL FLOW					RIVER	KERN	
Previous Day	2558.35	157,903	79,609	17	264	14	278	554	554	554	79,609	64,391	2	0	0	0
1	2558.48	158,646	79,984	2	276	16	292	669	669	669	79,984	64,766	0	0	0	0
2	2558.59	159,276	80,302	2	293	17	310	630	630	630	80,302	65,084	0	0	0	0
3	2558.66	159,678	80,504	13	306	16	322	537	551	551	80,518	65,300	2	0	0	0
4	2558.73	160,081	80,708	26	333	15	348	578	573	573	80,717	65,499	3	0	0	0
5	2558.81	160,541	80,939	24	335	15	350	605	613	613	80,956	65,738	3	0	0	0
6	2558.91	161,119	81,231	13	334	18	352	657	651	651	81,242	66,024	2	0	0	0
7	2559.00	161,640	81,494	29	378	22	400	692	705	705	81,518	66,300	4	0	0	0
8	2559.09	162,161	81,756	29	453	21	474	765	777	777	81,792	66,574	4	0	0	0
9	2559.21	162,859	82,108	18	500	3	503	873	873	873	82,144	66,926	2	0	0	0
10	2559.36	163,733	82,549	33	478	28	506	980	948	948	82,553	67,335	4	0	0	0
11	2559.53	164,728	83,050	28	437	24	461	990	982	982	83,046	67,828	3	0	0	0
12	2559.69	165,668	83,524	35	443	23	466	975	995	995	83,540	68,322	4	0	0	0
13	2559.86	166,670	84,030	32	459	23	482	1,020	1,017	1,017	84,043	68,825	4	0	0	0
14	2560.03	167,676	84,537	38	490	21	511	1,056	1,072	1,072	84,566	69,348	5	0	0	0
15	2560.21	168,746	85,076	32	549	21	570	1,141	1,132	1,132	85,096	69,878	4	0	0	0
16	2560.40	169,879	85,647	19	583	25	608	1,198	1,218	1,218	85,687	70,469	2	0	0	0
17	2560.62	171,198	86,312	37	592	21	613	1,315	1,295	1,295	86,332	71,114	4	0	0	0
18	2560.86	172,643	87,041	41	578	23	601	1,371	1,385	1,385	87,075	71,857	5	0	0	0
19	2561.13	174,279	87,866	41	579	23	602	1,468	1,453	1,453	87,885	72,667	5	0	0	0
20	2561.41	175,986	88,726	50	589	22	611	1,521	1,532	1,532	88,756	73,538	6	0	0	0
21	2561.69	177,703	89,592	48	673	21	694	1,608	1,596	1,596	89,610	74,392	5	0	0	0
22	2561.97	179,431	90,463	43	720	26	746	1,660	1,636	1,636	90,457	75,239	5	0	0	0
23	2562.25	181,169	91,339	30	710	24	734	1,640	1,656	1,656	91,349	76,131	3	0	0	0
24	2562.54	182,979	92,252	49	682	23	705	1,667	1,615	1,615	92,210	76,992	5	0	0	0
25	2562.79	184,549	93,044	48	675	23	698	1,538	1,558	1,558	93,022	77,804	5	0	0	0
26	2563.03	186,064	93,807	41	645	21	666	1,470	1,516	1,516	93,831	78,613	4	0	0	0
27	2563.30	187,779	94,672	41	613	22	635	1,541	1,450	1,450	94,605	79,387	4	0	0	0
28	2563.49	188,992	95,284	43	664	21	685	1,340	1,396	1,396	95,273	80,055	4	0	0	0
29	2563.64	189,951	95,767	56	746	23	769	1,308	1,327	1,327	95,775	80,557	6	0	0	0
30	2563.79	190,914	96,253	34	789	24	813	1,333	1,325	1,325	96,253	81,035	3	0	0	0
31	2563.95	191,946	96,773	47	786	25	811	1,378	1,378	1,378	96,773	81,555	5	0	0	0
TOTAL SECOND FOOT DAYS				1,022	16,688	650	17,338	35,524	35,524	35,524	96,773	81,555	115	0	0	0
TOTAL ACRE-FEET				2,027	33,100	1,289	34,389	70,461	70,461	70,461	191,946	161,762	228	0	0	0

By:  Date: April 20, 2004

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

PAGE 2 of 5

MARCH 2004

NORTH KERN WATER STORAGE DISTRICT BUENA VISTA WATER STORAGE DISTRICT HACIENDA WATER DISTRICT

DAY	ENT'L		FLOW ABOVE		RESERVOIR		ENT'L		FLOW ABOVE		RESERVOIR		ENTITLEMENT		FLOW ABOVE		RESERVOIR			
	AT 1ST POINT	AT 1ST POINT	1ST POINT	1ST POINT	LOSS	STORAGE	AT 2ND POINT	AT 2ND POINT	VIA KWD	AT 2ND POINT	HACIENDA INC.	LOSS	STORAGE	Contributed by:	Contributed by:	1ST POINT	1ST POINT	LOSS	STORAGE	
Previous Day	554	256	14	11	42,487	0	8	0	0	0	0	6	21,904	NKWS	BYWS	0	0	0	0	
1	552	259	15	1	42,764	117	17	0	0	1	0	1	22,002			0	0	0	0	
2	525	255	17	1	43,016	105	38	0	0	0	0	1	22,068			0	0	0	0	
3	471	264	15	9	43,199	80	42	0	0	1	0	4	22,101			0	0	0	0	
4	486	294	15	17	43,359	87	39	0	0	0	0	9	22,140			0	0	0	0	
5	513	303	14	16	43,539	100	32	0	0	1	0	8	22,199			0	0	0	0	
6	539	293	18	9	43,758	112	41	0	0	0	0	4	22,266			0	0	0	0	
7	576	337	21	20	43,956	129	41	0	0	1	0	9	22,344			0	0	0	0	
8	625	398	21	20	44,142	152	55	0	0	0	0	9	22,432			0	0	0	0	
9	691	441	2	12	44,378	182	59	0	0	1	0	6	22,548			0	0	0	0	
10	742	418	28	22	44,652	206	60	0	0	0	0	11	22,683			0	0	0	0	
11	765	377	23	19	44,998	217	60	0	0	1	0	9	22,830			0	0	0	0	
12	774	379	23	24	45,346	221	64	0	0	0	0	11	22,976			0	0	0	0	
13	789	383	22	22	45,708	228	76	0	0	1	0	10	23,117			0	0	0	0	
14	826	388	21	26	46,099	246	102	0	0	0	0	12	23,249			0	0	0	0	
15	867	463	20	22	46,461	265	86	0	0	1	0	10	23,417			0	0	0	0	
16	926	472	25	13	46,877	292	111	0	0	0	0	6	23,592			0	0	0	0	
17	978	470	21	25	47,339	317	122	0	0	0	0	12	23,775			0	0	0	0	
18	1,040	473	23	28	47,855	345	105	0	0	0	0	13	24,002			0	0	0	0	
19	1,086	453	23	28	48,437	367	126	0	0	0	0	13	24,230			0	0	0	0	
20	1,140	454	22	34	49,067	392	135	0	0	0	0	16	24,471			0	0	0	0	
21	1,184	543	21	32	49,655	412	130	0	0	0	0	16	24,737			0	0	0	0	
22	1,211	572	25	29	50,240	425	148	0	0	1	0	14	24,999			0	0	0	0	
23	1,225	559	24	20	50,862	431	151	0	0	0	0	10	25,269			0	0	0	0	
24	1,197	541	22	33	51,463	418	141	0	0	1	0	16	25,529			0	0	0	0	
25	1,158	549	23	32	52,017	400	126	0	0	0	0	16	25,787			0	0	0	0	
26	1,129	523	20	28	52,575	387	122	0	0	1	0	13	26,038			0	0	0	0	
27	1,084	511	22	28	53,098	366	102	0	0	0	0	13	26,289			0	0	0	0	
28	1,047	560	20	29	53,536	349	104	0	0	1	0	14	26,519			0	0	0	0	
29	1,000	646	23	38	53,829	327	100	0	0	0	0	18	26,728			0	0	0	0	
30	999	671	23	23	54,111	326	118	0	0	1	0	11	26,924			0	0	0	0	
31	1,035	660	25	32	54,429	343	126	0	0	0	0	15	27,126			0	0	0	0	
S.F.D.	27,180	13,909	637	692	54,429	8,344	2,779	0	13	330	0	0	27,126			0	0	0	0	
AC.F.T.	53,911	27,587	1,264	1,372	107,958	16,550	5,513	0	25	655	0	0	53,804			0	0	0	0	
TOTAL ACRE-FOOT STORAGE DAYS					2,937,053								1,476,469							0

TOTAL ACRE-FOOT STORAGE DAYS

REPORT OF THE KERN RIVER WATERMASTER

MARCH 2004
 WATERMASTER NOTES *** KERN RIVER BULLETIN

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

SOUTH FORK KERN RIVER Nr. ONYX
 2003 CALENDAR YEAR RUNOFF

DATE	Discharge in cubic feet per second												Whole Year Runoff (AcFt) = 53936											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	60	73	81	297	151	148	25	21	15	8	18	24												
2	60	76	83	302	153	140	24	27	15	9	19	23												
3	69	70	78	262	180	132	23	31	13	9	19	23												
4	82	69	80	242	214	125	21	27	25	9	20	20												
5	86	68	76	219	217	121	21	20	25	10	19	19												
6	88	61	72	203	231	117	19	17	24	10	21	22												
7	89	59	73	197	212	111	19	14	21	10	25	26												
8	94	57	72	201	194	103	17	13	17	10	26	27												
9	94	56	74	213	190	94	16	11	15	10	31	25												
10	95	57	75	220	185	84	15	10	14	10	30	20												
11	89	65	79	228	177	78	14	10	13	10	27	22												
12	85	94	86	230	170	72	14	9	12	10	27	20												
13	81	143	96	221	169	67	13	8	11	10	30	19												
14	79	141	113	238	172	63	12	8	10	10	29	21												
15	74	128	334	232	179	59	11	8	9	10	28	21												
16	71	119	341	215	182	54	10	8	8	11	28	19												
17	71	113	254	206	183	51	10	8	7	11	27	19												
18	72	102	224	192	184	47	9	7	8	11	28	23												
19	71	97	198	180	183	44	11	7	8	11	26	23												
20	71	93	184	172	181	43	18	7	8	11	26	24												
21	72	89	179	171	180	42	17	24	8	11	26	26												
22	72	88	181	173	179	40	14	25	8	11	25	25												
23	72	88	201	168	179	38	13	18	8	11	23	24												
24	72	87	215	163	180	37	13	15	8	11	21	27												
25	72	96	224	162	186	35	12	14	8	11	22	54												
26	72	95	243	161	186	33	11	30	8	12	23	50												
27	71	89	309	157	178	32	12	28	7	12	21	30												
28	71	85	320	159	171	30	14	22	8	12	20	23												
29	70	70	275	157	167	28	17	19	8	12	21	29												
30	68	68	262	152	163	27	17	18	8	13	23	35												
31	69	69	278	157	157	18	16	18	8	14	23	33												
TOTAL	2362	2458	5360	6093	5633	2095	480	500	357	330	729	796												
MAX. DAY	95	143	341	302	231	148	25	31	25	14	31	54												
MIN. DAY	60	56	72	152	151	27	9	7	7	8	18	19												
MEAN	76	88	173	203	182	70	15	16	12	11	24	26												
TOTAL AcFt	4685	4875	10631	12085	11173	4155	952	992	708	655	1446	1579												

REPORT OF THE KERN RIVER WATERMASTER

APRIL 2004

PAGE 1 of 5

Quantities in S.F.D. except where noted

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE-LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL	STORAGE IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW	DAY												
		MIDNIGHT STORAGE	ACRE-FEET					RESERVOIR S.F.D.	REGULATED FLOW						+1ST POINT REGULATED FLOW	RECREATION POOL + Dead Storage			RIVER	FRIANT-KERN										
Previous Day	2563.95	191,946	96,773	47	786	25	811	1,378	1,378	1,378	96,773	81,555	5	0	0	0	0	0												
1	2564.09	192,850	97,229	44	763	27	790	1,290	1,290	1,222	97,161	81,943	4	0	0	0	0	1												
2	2564.18	193,434	97,523	42	724	27	751	1,087	1,087	1,145	97,513	82,295	4	0	0	0	0	2												
3	2564.26	193,952	97,784	35	736	27	763	1,059	1,059	1,101	97,816	82,598	4	0	0	0	0	3												
4	2564.34	194,472	98,046	56	809	28	837	1,155	1,155	1,149	98,072	82,854	6	0	0	0	0	4												
5	2564.42	194,993	98,309	59	881	30	911	1,233	1,233	1,195	98,297	83,079	6	0	0	0	0	5												
6	2564.50	195,516	98,573	40	854	39	893	1,197	1,197	1,191	98,555	83,337	4	0	0	0	0	6												
7	2564.57	195,972	98,803	53	826	35	861	1,144	1,144	1,186	98,827	83,609	5	0	0	0	0	7												
8	2564.68	196,692	99,166	52	766	35	801	1,216	1,216	1,198	99,172	83,954	5	0	0	0	0	8												
9	2564.82	197,610	99,628	67	669	37	706	1,235	1,235	1,235	99,634	84,416	7	0	0	0	0	9												
10	2565.00	198,796	100,226	33	589	35	624	1,255	1,255	1,220	100,197	84,979	3	0	0	0	0	10												
11	2565.11	199,521	100,592	59	708	36	744	1,169	1,169	1,221	100,615	85,397	6	0	0	0	0	11												
12	2565.17	199,918	100,792	66	943	31	974	1,240	1,240	1,228	100,803	85,585	6	0	0	0	0	12												
13	2565.21	200,183	100,926	66	1,045	29	1,074	1,274	1,274	1,215	100,878	85,660	6	0	0	0	0	13												
14	2565.20	200,117	100,892	50	1,089	27	1,116	1,132	1,132	1,184	100,896	85,678	5	0	0	0	0	14												
15	2565.20	200,117	100,892	56	1,070	21	1,091	1,147	1,147	1,114	100,863	85,645	5	0	0	0	0	15												
16	2565.22	200,249	100,959	54	920	22	942	1,063	1,063	1,055	100,922	85,704	5	0	0	0	0	16												
17	2565.27	200,579	101,125	36	726	25	751	953	953	997	101,132	85,914	3	0	0	0	0	17												
18	2565.32	200,911	101,293	32	754	21	775	975	975	935	101,260	86,042	3	0	0	0	0	18												
19	2565.33	200,978	101,326	43	785	16	801	877	877	895	101,311	86,093	4	0	0	0	0	19												
20	2565.34	201,044	101,360	37	731	30	761	832	832	862	101,375	86,157	4	0	0	0	0	20												
21	2565.36	201,177	101,427	64	717	30	747	878	878	843	101,407	86,189	6	0	0	0	0	21												
22	2565.36	201,177	101,427	58	731	29	760	818	818	844	101,433	86,215	6	0	0	0	0	22												
23	2565.36	201,177	101,427	66	741	29	770	836	836	836	101,433	86,215	6	0	0	0	0	23												
24	2565.40	201,443	101,561	62	628	30	658	854	854	860	101,573	86,355	6	0	0	0	0	24												
25	2565.46	201,843	101,763	58	603	28	631	891	891	904	101,788	86,570	5	0	0	0	0	25												
26	2565.51	202,174	101,929	70	700	30	730	966	966	969	101,957	86,739	7	0	0	0	0	26												
27	2565.54	202,374	102,030	88	824	38	862	1,051	1,051	1,058	102,065	86,847	8	0	0	0	0	27												
28	2565.57	202,574	102,131	94	925	37	962	1,157	1,157	1,144	102,153	86,935	9	0	0	0	0	28												
29	2565.63	202,975	102,333	53	936	33	969	1,224	1,224	1,202	102,333	87,115	5	0	0	0	0	29												
30	2565.68	203,310	102,502	62	893	34	927	1,158	1,158	1,158	102,502	87,284	6	0	0	0	0	30												
TOTAL SECOND FOOT DAYS														1,655	24,086	896	24,982	32,366	102,502	87,284	159	0	0	0	0	0	0	0	0	0
TOTAL ACRE-FEET														3,283	47,774	1,777	49,551	64,197	203,310	173,126	315	0	0	0	0	0	0	0	0	0

By: *ARD*

Date: May 19, 2004

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

APRIL 2004

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	ENT'L AT 1ST		FLOW ABOVE 1ST		RESERVOIR STORAGE		ENT'L AT 2ND		FLOW VIA			FLOW ABOVE 1ST PT. CARMEL		RESERVOIR STORAGE		ENTITLED BY:		FLOW ABOVE 1ST POINT		RESERVOIR STORAGE							
	POINT	POINT	POINT	POINT	LOSS	STORAGE	POINT	POINT	VIA	KWD	CWD	POINT	INC.	HACIENDA	LOSS	STORAGE	NKWSD	BYWSD	POINT	POINT	LOSS	STORAGE	DAY				
Previous Day	1,035	660	25	32	54,429	343	126	0	0	0	0	0	15	27,126	0	0	0	0	0	0	0	0	0				
1	929	633	26	30	54,669	293	130	0	0	1	14	27,274	0	0	0	0	0	0	0	0	0	0	1				
2	876	614	26	28	54,877	269	110	0	0	1	14	27,418	0	0	0	0	0	0	0	0	0	0	2				
3	846	628	26	24	55,045	255	108	0	0	1	11	27,553	0	0	0	0	0	0	0	0	0	0	3				
4	879	697	27	38	55,162	270	112	0	0	1	18	27,692	0	0	0	0	0	0	0	0	0	0	4				
5	910	767	29	40	55,236	285	114	0	0	1	19	27,843	0	0	0	0	0	0	0	0	0	0	5				
6	908	727	38	27	55,352	283	127	0	0	1	13	27,985	0	0	0	0	0	0	0	0	0	0	6				
7	904	694	35	36	55,491	282	132	0	0	0	17	28,118	0	0	0	0	0	0	0	0	0	0	7				
8	912	664	34	35	55,670	286	102	0	0	1	17	28,284	0	0	0	0	0	0	0	0	0	0	8				
9	938	566	36	45	55,961	297	103	0	0	1	22	28,455	0	0	0	0	0	0	0	0	0	0	9				
10	927	481	34	22	56,351	293	108	0	0	1	11	28,628	0	0	0	0	0	0	0	0	0	0	10				
11	928	632	35	40	56,572	293	76	0	0	1	19	28,825	0	0	0	0	0	0	0	0	0	0	11				
12	933	847	30	44	56,584	295	96	0	0	1	22	29,001	0	0	0	0	0	0	0	0	0	0	12				
13	924	908	28	44	56,528	291	137	0	0	1	22	29,132	0	0	0	0	0	0	0	0	0	0	13				
14	903	932	26	33	56,440	281	157	0	0	1	17	29,238	0	0	0	0	0	0	0	0	0	0	14				
15	855	928	20	37	56,310	259	142	0	0	1	19	29,335	0	0	0	0	0	0	0	0	0	0	15				
16	815	804	21	36	56,264	240	116	0	0	1	18	29,440	0	0	0	0	0	0	0	0	0	0	16				
17	775	705	24	24	56,286	222	21	0	0	1	12	29,628	0	0	0	0	0	0	0	0	0	0	17				
18	733	687	21	21	56,290	202	14	53	0	0	11	29,752	0	0	0	0	0	0	0	0	0	0	18				
19	706	651	15	29	56,301	189	11	123	0	1	14	29,792	0	0	0	0	0	0	0	0	0	0	19				
20	683	592	29	25	56,338	179	15	124	0	1	12	29,819	0	0	0	0	0	0	0	0	0	0	20				
21	670	611	29	42	56,326	173	14	92	0	1	22	29,863	0	0	0	0	0	0	0	0	0	0	21				
22	671	628	28	38	56,303	173	14	89	0	1	20	29,912	0	0	0	0	0	0	0	0	0	0	22				
23	665	649	28	44	56,247	171	13	79	0	1	22	29,968	0	0	0	0	0	0	0	0	0	0	23				
24	682	572	29	41	56,287	178	16	40	0	1	21	30,068	0	0	0	0	0	0	0	0	0	0	24				
25	712	546	27	38	56,388	192	18	39	0	1	20	30,182	0	0	0	0	0	0	0	0	0	0	25				
26	756	624	29	46	56,445	213	30	46	0	1	24	30,294	0	0	0	0	0	0	0	0	0	0	26				
27	817	708	37	58	56,459	241	26	90	0	1	30	30,388	0	0	0	0	0	0	0	0	0	0	27				
28	876	742	36	62	56,495	268	27	156	0	1	32	30,440	0	0	0	0	0	0	0	0	0	0	28				
29	915	756	33	35	56,586	287	31	149	0	0	18	30,529	0	0	0	0	0	0	0	0	0	0	29				
30	895	718	33	41	56,679	273	25	150	0	1	21	30,605	0	0	0	0	0	0	0	0	0	0	30				
S.F.D.	24,933	20,711	869	1,103	56,679	7,433	2,145	1,230	0	27	552	30,605	0	0	0	0	0	0	0	0	0	0	0	S.F.D.			
AC.F.T.	49,454	41,079	1,723	2,188	112,422	14,743	4,255	2,440	0	54	1,095	60,704	0	0	0	0	0	0	0	0	0	0	0	AC.F.T.			
																						TOTAL ACRE-FOOT STORAGE DAYS	3,336,081	TOTAL ACRE-FOOT STORAGE DAYS	1,736,451	TOTAL ACRE-FOOT STORAGE DAYS	0

APRIL 2004

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH DAY(S)

PAGE NO.

TITLE OF COLUMN

COMMENT

April

None

KERN RIVER BASIN -- HISTORICAL SNOW COURSE DATA
APRIL 1ST WATER CONTENT IN INCHES

YEAR	BIGHORN PLATEAU	COTTONWOOD PASS	SIBERIAN PASS	CRABTREE MEADOW	GUYOT FLAT	SANDY MEADOWS	TYNDALL CREEK	BIG WHITNEY MEADOW	ROCK CREEK	ROUND MEADOW	RAMSHAW MEADOWS	LITTLE WHITNEY MEADOW	CASA VIEJA MEADOWS	QUINN RANGER STATION	BONITA MEADOWS	BEACH MEADOWS	BASIN WIDE AVERAGE	A-J RUNOFF IN PERCENT OF AVERAGE	
1948		3.8	6.6					4.9		18.5	4.4	5.2	10.6	14.6	10.5	6.8	8.6	51%	
1949	13.2	5.8	9.1	12.8	12.0	12.8	12.7	11.6		9.8	9.4	10.8	15.0	20.1	15.0	10.5	13.1	45%	
1950	21.0	10.9	18.5	17.8	18.3	18.3	16.8	16.1	16.9	30.2	10.5	12.1	19.7	17.6	13.5	7.1	16.6	64%	
1951	17.3	8.3	12.5	9.7	11.8	11.5	10.5	9.7	7.5	4.3	0.0	0.0	0.0	0.0	0.0	0.0	6.5	56%	
1952	43.2	32.2	35.0	35.3	37.7	35.6	34.2	35.3	35.3	53.9	30.9	33.2	44.9	49.1	32.5	25.2	37.1	238%	
1953	16.8	9.4	14.1	12.7	12.3	12.3	12.9	12.3	12.1	18.4	6.3	9.2	11.7	17.4	8.2	5.3	12.1	70%	
1954	22.0	11.8	18.0	16.8	16.0	16.8	18.7	15.7	18.3	29.2	12.2	17.0	23.5	21.3	15.4	10.1	17.8	47%	
1955	14.7	8.1	11.5	13.4	15.3	13.1	13.4	10.7	12.3	14.9	7.0	8.0	11.3	13.5	6.5	3.3	11.1	47%	
1956	33.3	12.9	26.7	27.9	25.1	24.3	21.7	23.0	20.0	22.3	9.0	13.5	15.1	12.8	8.9	0.0	18.9	112%	
1957	25.9	20.7	23.0	11.8	12.6	10.5	11.2	11.5	10.0	14.7	14.7	17.1	10.9	14.4	6.3	0.0	10.5	62%	
1958	10.3	6.7	9.7	9.0	25.3	24.5	24.0	22.7	23.7	39.2	17.0	21.2	30.9	--	26.6	21.6	24.8	177%	
1959	11.8	4.7	8.4	8.7	7.3	7.3	9.2	8.4	8.7	6.0	5.6	6.8	8.4	--	1.8	0.0	7.0	28%	
1960	6.0	3.8	6.0	7.9	9.9	7.9	9.5	9.4	6.5	20.2	2.0	2.5	6.0	11.9	6.9	2.7	8.4	19%	
1961	6.0	3.8	6.0	7.1	9.9	7.9	9.5	9.4	4.8	12.8	2.0	2.5	6.0	11.9	6.9	2.7	8.4	19%	
1962	37.4	27.0	31.8	33.7	35.5	32.5	31.4	30.6	30.6	40.5	--	--	32.1	35.3	27.6	21.3	32.0	110%	
1963	19.7	17.5	16.1	17.1	18.4	17.6	17.2	18.4	18.5	12.6	12.6	11.4	11.0	12.6	5.6	5.7	10.3	101%	
1964	5.1	1.5	3.9	6.1	5.4	5.4	4.8	4.3	15.0	15.0	6.6	11.4	6.1	10.8	5.2	2.7	6.1	39%	
1965	25.8	13.1	16.4	20.1	18.0	19.8	17.8	13.7	15.0	25.2	15.0	16.9	14.0	16.5	10.3	7.0	16.0	97%	
1966	15.7	7.1	14.0	12.9	15.3	11.9	13.2	11.6	10.9	18.5	5.3	6.9	14.0	10.6	10.9	4.7	11.5	47%	
1967	37.1	25.2	32.9	32.2	35.8	30.6	30.0	30.3	30.4	19.4	13.5	20.3	27.6	19.5	16.8	4.0	25.5	196%	
1968	14.1	8.9	11.8	12.3	14.0	11.8	11.6	12.6	11.1	17.5	7.6	6.2	12.9	9.7	18.2	4.1	11.8	35%	
1969	55.3	41.1	48.4	48.5	50.6	46.3	48.6	45.0	45.8	69.8	38.1	46.1	61.4	59.6	50.2	36.8	43.0	356%	
1970	17.0	9.1	12.6	16.4	14.7	16.1	14.6	11.4	12.5	16.7	4.5	7.2	13.4	12.7	6.1	4.1	11.8	59%	
1971	15.7	5.7	11.7	11.7	13.2	11.9	13.1	10.8	11.1	21.2	3.3	5.5	14.0	15.9	9.4	3.4	11.2	27%	
1972	7.6	2.5	6.6	6.3	7.6	6.6	3.4	5.4	4.1	4.8	0.0	0.0	3.4	2.2	0.0	0.0	3.7	20%	
1973	33.6	24.4	30.0	31.7	33.7	31.3	31.8	27.2	30.4	42.7	24.1	28.2	31.7	40.8	32.2	23.6	38.7	233%	
1974	25.4	13.2	20.6	20.5	22.6	19.0	20.4	19.1	18.1	29.8	14.3	14.8	21.2	22.0	18.2	14.9	16.9	89%	
1975	16.9	9.7	15.0	16.9	17.6	16.2	15.1	15.9	16.1	26.8	11.6	14.0	20.7	22.3	16.6	10.3	19.4	114%	
1976	5.9	4.4	5.8	3.3	5.4	3.3	4.7	5.5	3.6	11.9	0.9	0.0	7.2	6.3	6.7	2.2	4.8	82%	
1977	43.1	35.5	40.1	4.7	4.8	3.2	3.5	4.9	3.1	10.8	2.1	0.0	--	2.0	3.6	0.0	3.7	20%	
1978	19.9	11.1	14.1	39.7	41.7	40.1	40.6	37.3	39.6	46.8	31.9	37.6	41.1	43.7	32.2	23.6	38.7	233%	
1979	19.9	11.1	14.1	39.7	41.7	40.1	40.6	37.3	39.6	46.8	31.9	37.6	41.1	43.7	32.2	23.6	38.7	233%	
1980	40.9	29.4	34.4	18.2	17.5	17.7	18.8	14.7	14.2	25.3	12.2	14.2	--	--	18.2	14.9	16.9	89%	
1981	15.3	11.8	14.1	34.3	35.1	34.5	35.7	29.5	33.5	25.0	21.6	27.4	30.0	36.7	18.7	16.2	30.2	211%	
1982	32.4	17.4	24.6	24.3	24.8	24.0	25.3	20.3	23.7	17.4	8.6	9.6	14.6	15.7	12.3	7.5	13.0	54%	
1983	48.9	34.9	45.0	45.3	49.2	46.0	46.0	44.7	44.7	63.4	33.2	37.6	48.1	52.1	23.0	11.6	23.0	169%	
1984	21.9	9.7	15.4	20.1	17.6	18.1	17.7	12.9	13.8	15.7	2.1	2.6	11.9	9.4	4.2	30.6	44.0	329%	
1985	18.6	17.2	20.5	17.2	20.8	18.3	15.5	19.0	18.0	26.2	14.6	15.0	25.5	19.1	17.7	10.8	11.9	90%	
1986	45.1	34.1	39.3	29.9	36.6	37.3	35.1	34.8	36.5	44.2	22.8	25.4	35.0	29.8	21.3	11.6	18.3	189%	
1987	11.3	7.6	9.9	9.3	11.5	9.2	11.0	7.8	8.1	15.8	6.3	8.3	9.8	7.7	9.0	1.3	9.5	45%	
1988	9.6	5.3	7.8	8.9	10.9	8.9	9.0	4.0	6.3	7.2	0.0	0.0	2.7	2.4	0.0	0.0	5.1	34%	
1989	15.3	10.2	13.0	16.3	17.2	13.3	11.0	14.4	14.1	21.7	7.3	11.5	17.2	12.9	14.6	5.2	13.1	50%	
1990	7.6	1.9	6.1	7.2	7.2	7.2	7.9	6.2	4.0	9.9	0.9	2.2	--	4.9	1.6	0.0	4.8	24%	
1991	19.7	14.1	17.5	14.1	18.9	17.2	15.1	15.1	9.9	12.0	11.6	14.6	14.0	21.0	15.0	7.0	16.2	59%	
1992	12.7	13.2	11.7	11.0	10.7	12.2	12.8	12.8	12.8	21.0	11.6	8.0	10.8	12.8	11.0	4.0	11.1	38%	
1993	33.7	19.6	29.9	27.6	30.2	27.7	29.3	26.1	26.8	41.0	19.8	22.5	30.0	32.1	24.0	14.5	27.3	124%	
1994	13.4	6.7	11.3	12.1	13.6	11.2	11.5	8.8	14.3	14.3	9.3	7.1	10.2	7.9	7.3	3.2	9.7	41%	
1995	35.3	30.5	34.8	32.8	35.3	33.0	32.5	30.5	33.2	41.3	22.5	26.5	33.7	51.0	26.6	14.5	35.3	198%	
1996	29.6	17.7	23.0	23.2	24.6	23.4	25.9	18.6	21.9	31.0	13.2	16.5	21.0	18.9	18.9	9.8	21.4	127%	
1997	32.5	26.7	30.8	28.1	26.1	26.1	26.1	19.0	23.7	26.1	13.2	16.5	20.0	22.1	9.0	2.1	20.9	122%	
1998	36.9	26.7	30.8	33.1	34.6	31.6	33.7	27.9	30.6	--	22.9	26.0	20.0	--	--	--	30.5	242%	
1999	12.3	5.7	10.6	10.7	11.0	9.5	10.0	10.4	8.5	20.3	5.0	6.0	13.5	8.0	--	0.6	9.3	54%	
2000	22.0	13.8	17.0	17.9	19.2	16.9	19.4	14.2	17.2	23.8	9.9	13.1	18.7	17.4	14.7	0.6	9.3	54%	
2001	13.1	14.5	14.6	12.7	12.7	11.5	12.6	12.8	10.5	15.3	9.3	8.9	11.5	10.2	10.6	3.4	16.1	65%	
2002	22.4	7.1	12.1	14.1	14.6	14.3	14.8	12.1	13.4	18.4	6.1	6.7	--	--	7.0	--	11.8	53%	
2003	16.6	11.4	15.6	14.9	16.2	15.1	14.1	13.9	16.2	--	14.4	7.4	--	--	--	--	12.8	46%	
2004	17.9	11.0	15.0	13.0	13.7	10.7	13.0	11.2	10.6	18.7	6.3	8.5	--	--	5.1	1.0	11.9	70%	
MAXIMUM	55.3	41.1	48.4	48.5	50.6	46.9	48.6	45.0	45.8	69.8	38.1	46.1	61.4	59.8	50.2	36.8	49.5		
MINIMUM	5.0	1.5	3.9	3.3	4.8	3.2	3.4	4.0	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	
AVERAGE	22.1	14.1	18.5	18.6	20.0	18.4	18.6	16.5	17.3	25.3	11.0	13.1	19.1	18.6	13.4	7.9	17.0		

Quantities in S.F.D. except where noted

MAY 2004

REPORT OF THE KERN RIVER WATERMASTER

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW DAY
		MIDNIGHT STORAGE	RESERVOIR STORAGE					+1ST POINT REGULATED FLOW	-1ST POINT NATURAL FLOW					RIVER	KERN	
Previous Day	2565.88	203,310	102,502	62	893	34	927	1,158	1,158	1,158	102,502	87,284	6	0	0	0
1	2565.78	203,978	102,839	77	706	31	737	1,151	1,193	1,193	102,881	87,663	7	0	0	0
2	2565.92	204,918	103,313	85	685	32	717	1,276	1,295	1,295	103,374	88,156	8	0	0	0
3	2566.08	205,993	103,855	74	811	31	842	1,458	1,470	1,470	103,928	88,710	7	0	0	0
4	2566.30	207,479	104,604	93	803	31	834	1,676	1,603	1,603	104,604	89,386	9	0	0	0
5	2566.59	209,447	105,596	103	733	35	768	1,863	1,863	1,863	105,596	90,378	9	0	0	0
6	2566.87	211,358	106,560	67	689	30	719	1,750	1,750	1,750	106,560	91,342	6	0	0	0
7	2567.10	212,935	107,355	95	679	29	708	1,598	1,598	1,598	107,355	92,137	8	0	0	0
8	2567.30	214,312	108,049	81	640	30	670	1,445	1,439	1,439	108,043	92,825	7	0	0	0
9	2567.49	215,626	108,712	64	671	29	700	1,427	1,418	1,418	108,697	93,479	6	0	0	0
10	2567.64	216,666	109,236	78	751	30	781	1,383	1,427	1,427	109,265	94,047	7	0	0	0
11	2567.83	217,988	109,902	64	712	30	742	1,472	1,391	1,391	109,850	94,632	6	0	0	0
12	2567.99	219,106	110,466	70	649	33	682	1,316	1,333	1,333	110,431	95,213	6	0	0	0
13	2568.11	219,945	110,889	85	669	35	704	1,212	1,262	1,262	110,904	95,686	7	0	0	0
14	2568.25	220,928	111,385	65	661	37	698	1,259	1,238	1,238	111,379	96,161	6	0	0	0
15	2568.42	222,124	111,988	79	531	31	562	1,244	1,274	1,274	112,012	96,794	7	0	0	0
16	2568.60	223,394	112,628	99	558	23	581	1,320	1,250	1,250	112,582	97,364	8	0	0	0
17	2568.71	224,173	113,021	88	671	33	704	1,185	1,213	1,213	113,003	97,785	7	0	0	0
18	2568.81	224,882	113,378	67	686	25	711	1,135	1,181	1,181	113,406	98,188	6	0	0	0
19	2568.91	225,593	113,737	78	758	28	786	1,223	1,155	1,155	113,697	98,479	6	0	0	0
20	2568.95	225,878	113,880	82	856	27	883	1,108	1,147	1,147	113,879	98,661	7	0	0	0
21	2568.98	226,092	113,988	84	884	33	917	1,109	1,084	1,084	113,962	98,744	7	0	0	0
22	2569.00	226,234	114,060	74	860	30	890	1,036	1,073	1,073	114,071	98,853	6	0	0	0
23	2569.04	226,518	114,203	78	821	32	853	1,074	1,063	1,063	114,203	98,985	6	0	0	0
24	2569.07	226,732	114,311	84	855	31	886	1,078	1,082	1,082	114,315	99,097	7	0	0	0
25	2569.11	227,018	114,455	76	840	33	873	1,093	1,081	1,081	114,447	99,229	6	0	0	0
26	2569.15	227,304	114,599	80	817	30	847	1,071	1,067	1,067	114,587	99,369	6	0	0	0
27	2569.17	227,447	114,671	68	864	32	896	1,036	1,045	1,045	114,668	99,450	6	0	0	0
28	2569.18	227,518	114,707	57	902	32	934	1,027	1,102	1,102	114,779	99,561	5	0	0	0
29	2569.24	227,948	114,924	76	918	32	950	1,243	1,126	1,126	114,879	99,661	6	0	0	0
30	2569.24	227,948	114,924	95	980	32	1,012	1,107	1,152	1,152	114,924	99,706	8	0	0	0
31	2569.21	227,733	114,815	80	1,118	34	1,152	1,123	1,123	1,123	114,815	99,597	6	0	0	0
TOTAL SECOND FOOT DAYS		2,446	23,778	2,446	23,778	961	24,739	39,498	39,498	39,498	114,815	99,597	209	0	0	0
TOTAL ACRE-FEET		4,852	47,163	4,852	47,163	1,905	49,068	78,343	78,343	78,343	227,733	197,549	415	0	0	0

By:  Date: June 23, 2004

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

MAY 2004

NORTH KERN WATER STORAGE DISTRICT BUENA VISTA WATER STORAGE DISTRICT HACIENDA WATER DISTRICT

DAY	ENT'L AT 1ST		FLOW ABOVE 1ST		RESERVOIR STORAGE		ENT'L AT 2ND		FLOW VIA		FLOW AT 2ND		HACIENDA INC.		RESERVOIR STORAGE		ENTITLEMENT Contributed by:		FLOW ABOVE 1ST		RESERVOIR STORAGE		DAY																								
	POINT	POINT	POINT	POINT	LOSS	STORAGE	POINT	POINT	KDWD	CWD	POINT	POINT	INC.	LOSS	STORAGE	NKWS	BVWS	POINT	POINT	LOSS	STORAGE																										
Previous Day	885	718	33	41	56,679	273	25	150	0	0	0	0	1	21	30,605	0	0	0	0	0	0	0	0																								
1	909	677	30	51	56,830	284	29	0	0	0	0	1	26	30,833	0	0	0	0	0	0	0	0	1																								
2	978	668	31	56	57,053	317	17	0	0	0	0	1	29	31,103	0	0	0	0	0	0	0	0	2																								
3	1,098	793	31	49	57,278	372	18	0	0	0	0	0	25	31,432	0	0	0	0	0	0	0	0	3																								
4	1,188	780	30	61	57,595	415	23	0	0	0	0	1	32	31,791	0	0	0	0	0	0	0	0	4																								
5	1,366	704	34	67	58,156	497	29	0	0	0	0	1	36	32,222	0	0	0	0	0	0	0	0	5																								
6	1,289	664	29	44	58,708	461	25	0	0	0	0	1	23	32,634	0	0	0	0	0	0	0	0	6																								
7	1,185	658	29	62	59,144	413	21	0	0	0	0	0	33	32,993	0	0	0	0	0	0	0	0	7																								
8	1,077	639	29	53	59,500	362	1	0	0	0	0	1	28	33,325	0	0	0	0	0	0	0	0	8																								
9	1,062	670	28	42	59,822	356	1	0	0	0	0	1	22	33,657	0	0	0	0	0	0	0	0	9																								
10	1,068	742	29	51	60,068	359	9	0	0	0	0	1	27	33,979	0	0	0	0	0	0	0	0	10																								
11	1,044	700	30	42	60,340	347	12	0	0	0	0	0	22	34,292	0	0	0	0	0	0	0	0	11																								
12	1,004	625	32	45	60,642	329	24	0	0	0	0	1	25	34,571	0	0	0	0	0	0	0	0	12																								
13	956	643	34	55	60,866	306	26	0	0	0	0	1	30	34,820	0	0	0	0	0	0	0	0	13																								
14	940	639	36	42	61,089	298	22	0	0	0	0	1	23	35,072	0	0	0	0	0	0	0	0	14																								
15	964	510	31	51	61,461	310	21	0	0	0	0	0	28	35,333	0	0	0	0	0	0	0	0	15																								
16	948	543	22	64	61,780	302	15	0	0	0	0	1	35	35,584	0	0	0	0	0	0	0	0	16																								
17	923	653	32	57	61,961	290	18	0	0	0	0	1	31	35,824	0	0	0	0	0	0	0	0	17																								
18	901	661	25	43	62,133	280	25	0	0	0	0	0	24	36,055	0	0	0	0	0	0	0	0	18																								
19	883	614	27	50	62,325	272	22	122	0	0	0	1	28	36,154	0	0	0	0	0	0	0	0	19																								
20	878	686	26	53	62,438	269	20	150	0	0	0	1	29	36,223	0	0	0	0	0	0	0	0	20																								
21	835	697	32	54	62,490	249	20	167	0	0	0	1	30	36,254	0	0	0	0	0	0	0	0	21																								
22	827	671	30	48	62,568	246	25	164	0	0	0	0	26	36,285	0	0	0	0	0	0	0	0	22																								
23	820	646	31	50	62,661	243	17	158	0	0	0	1	28	36,324	0	0	0	0	0	0	0	0	23																								
24	833	723	30	54	62,687	249	17	115	0	0	0	1	30	36,410	0	0	0	0	0	0	0	0	24																								
25	833	723	32	49	62,716	248	13	104	0	0	0	1	27	36,513	0	0	0	0	0	0	0	0	25																								
26	823	695	30	51	62,763	244	11	111	0	0	0	0	29	36,606	0	0	0	0	0	0	0	0	26																								
27	808	681	31	44	62,815	237	18	165	0	0	0	1	24	36,635	0	0	0	0	0	0	0	0	27																								
28	847	690	31	37	62,904	255	18	194	0	0	0	1	20	36,657	0	0	0	0	0	0	0	0	28																								
29	863	741	31	49	62,946	263	22	155	0	0	0	1	27	36,715	0	0	0	0	0	0	0	0	29																								
30	881	804	32	61	62,930	271	23	153	0	0	0	0	34	36,776	0	0	0	0	0	0	0	0	30																								
31	861	916	33	51	62,791	262	20	182	0	0	0	1	29	36,806	0	0	0	0	0	0	0	0	31																								
S.F.D.	29,892	21,256	938	1,586	62,791	9,606	582	1,940	0	23	860	36,806	0	0	0	0	0	0	0	0	0	0	S.F.D.																								
AC.FT.	59,290	42,161	1,860	3,146	124,545	19,053	1,154	3,848	0	45	1,706	73,004	0	0	0	0	0	0	0	0	0	0	AC.FT.																								
TOTAL ACRE-FOOT STORAGE DAYS												3,747,687												TOTAL ACRE-FOOT STORAGE DAYS												2,141,906											

TOTAL ACRE-FOOT STORAGE DAYS 0

REPORT OF THE KERN RIVER WATERMASTER

MAY 2004

WATERMASTER NOTES *** KERN RIVER BULLETIN

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

None

May

In Order of Magnitude

Rank	Year	May Runoff (AcFt)	April-July Runoff (AcFt)	April-July % of Average	May % of April-July
1	2001	124,417	250,292	54%	49.71%
2	1924	41,722	92,556	20%	45.08%
3	1947	110,325	249,572	53%	44.21%
4	1976	47,151	108,754	23%	43.36%
5	1897	281,639	654,262	140%	43.05%
6	1931	41,867	96,062	21%	42.69%
7	1926	98,598	232,782	50%	42.36%
8	2000	129,406	306,496	66%	42.22%
9	1992	74,394	179,153	38%	41.53%
10	1937	352,050	852,047	189%	41.32%
11	1919	140,215	342,997	74%	40.88%
12	1949	84,508	209,911	45%	40.26%
13	1973	288,652	723,768	155%	39.88%
14	1946	155,476	390,747	84%	39.79%
15	1928	76,885	193,702	42%	39.69%
16	1954	139,719	354,117	76%	39.46%
17	1979	164,935	419,859	90%	39.28%
18	1922	242,259	617,710	132%	39.22%
19	1929	85,995	219,532	47%	39.17%
20	1941	386,666	995,657	213%	38.84%
21	1952	434,769	1,119,815	240%	38.83%
22	1895	268,635	694,729	149%	38.67%
23	1940	196,465	510,614	109%	38.48%
24	1984	161,613	423,132	91%	38.19%
25	1958	316,974	831,669	178%	38.11%
26	1975	147,001	386,180	83%	38.07%
27	1936	219,404	581,624	125%	37.72%
28	1996	225,987	599,331	126%	37.71%
29	1999	95,199	252,627	54%	37.66%
30	1997	214,290	571,476	122%	37.50%
31	1966	82,336	219,893	47%	37.44%
32	1934	43,065	116,145	25%	37.08%
33	1944	150,109	405,391	87%	37.03%
34	1920	158,904	430,813	92%	36.88%
35	1943	254,785	697,182	149%	36.54%
36	1981	91,914	252,681	54%	36.38%
37	1923	120,849	332,532	71%	36.34%
38	1910	127,733	352,126	75%	36.27%
39	1988	58,350	162,043	35%	36.01%
40	1972	45,965	127,720	27%	35.99%

Rank	Year	May Runoff (AcFt)	April-July Runoff (AcFt)	April-July % of Average	May % of April-July
41	1948	86,108	239,980	51%	35.88%
42	1904	113,205	316,646	68%	35.75%
43	1987	75,108	211,408	45%	35.53%
44	1968	87,991	248,319	53%	35.43%
45	1927	184,721	521,717	112%	35.41%
46	1869	617,968	1,747,874	375%	35.36%
47	1994	67,224	191,004	41%	35.20%
48	2003	113,472	325,076	70%	34.91%
49	1913	73,561	211,722	45%	34.74%
50	1900	68,295	196,888	42%	34.69%
51	1960	59,336	168,472	36%	34.63%
52	1985	146,799	424,293	91%	34.60%
53	1970	110,057	319,408	68%	34.46%
54	1945	205,509	597,350	128%	34.40%
55	1939	92,253	268,269	57%	34.39%
56	1993	200,864	584,691	125%	34.35%
57	1974	183,733	535,166	115%	34.33%
58	1961	29,980	87,374	19%	34.31%
59	2004	78,343	230,000	49%	34.06%
60	1990	38,600	113,344	24%	34.06%
61	1964	61,521	182,928	39%	33.63%
62	1894	98,801	295,400	63%	33.45%
63	1998	45,213	135,303	29%	33.42%
64	1978	363,157	1,094,375	235%	33.18%
65	1903	132,097	398,989	86%	33.11%
66	1986	293,335	886,674	190%	33.08%
67	1950	98,483	299,906	64%	32.84%
68	1938	315,044	961,769	206%	32.76%
69	1925	102,016	313,113	67%	32.58%
70	2002	69,991	215,307	46%	32.51%
71	1951	85,039	261,884	56%	32.47%
72	1905	117,748	366,396	79%	32.14%
73	1901	186,446	582,041	125%	32.03%
74	1962	254,985	796,794	171%	32.00%
75	1912	80,471	251,812	54%	31.96%
76	1909	382,617	1,218,975	261%	31.39%
77	1921	100,096	321,325	69%	31.15%
78	1963	478,625	1,545,810	331%	30.96%
79	1955	69,544	224,785	48%	30.94%
80	1914	210,676	685,012	147%	30.76%

Rank	Year	May Runoff (AcFt)	April-July Runoff (AcFt)	April-July % of Average	May % of April-July
81	1989	71,849	234,430	50%	30.65%
82	1959	39,945	130,585	28%	30.59%
83	1908	79,418	260,894	56%	30.44%
84	1966	159,683	525,641	113%	30.38%
85	1916	472,984	1,571,597	337%	30.10%
86	1935	103,787	350,647	75%	29.60%
87	1917	165,062	560,304	120%	29.46%
88	1907	199,950	678,748	145%	29.46%
89	1932	154,742	526,432	118%	29.39%
90	1967	269,631	924,005	198%	29.18%
91	1930	67,851	232,582	50%	29.17%
92	1980	287,825	991,025	212%	29.04%
93	1963	137,839	476,579	102%	28.92%
94	1965	131,980	456,668	98%	28.90%
95	1991	79,763	276,543	59%	28.84%
96	1942	150,036	522,905	112%	28.69%
97	1902	109,904	389,596	83%	28.21%
98	1995	255,046	929,221	199%	27.45%
99	1915	124,506	455,242	95%	27.35%
100	1971	66,635	244,475	52%	27.26%
101	1957	79,355	292,346	63%	27.14%
102	1998	308,440	1,137,373	244%	27.12%
103	1977	25,630	95,649	21%	26.80%
104	1962	135,884	515,474	110%	26.36%
105	1911	184,481	701,168	150%	26.31%
106	1953	86,019	329,570	71%	26.10%
107	1906	360,234	1,391,636	298%	25.89%
108	1899	51,353	213,710	48%	24.03%
109	1918	78,722	334,816	72%	23.51%
110	1896	86,174	372,922	80%	23.11%
111	1933	60,026	299,584	64%	20.04%

KERN RIVER

MAY CONTRIBUTION TO THE APRIL - JULY RUNOFF 1894 TO DATE

(e)

REPORT OF THE KERN RIVER WATERMASTER

JUNE 2004

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST REGULATED FLOW	CHANGE IN STORAGE-LOSS		COMPUTED NATURAL FLOW	MEAN TOTAL IRRIGATION	STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT			PRIANT-KERN INFLOW
		MIDNIGHT STORAGE	ACRE-FEET					S.F.D.	REGULATED FLOW						+1ST POINT REGULATED FLOW	1ST POINT NATURAL FLOW	RIVER	
Previous Day	2569.21	227,733	114,815	80	1,118	34	1,152	1,123	1,123	1,123	114,815	99,597	6	0	0	0	0	
1	2569.19	227,590	114,743	126	1,214	28	1,242	1,296	1,296	1,296	114,743	99,525	10	0	0	0	0	
2	2569.18	227,518	114,707	91	1,244	29	1,273	1,328	1,328	1,328	114,707	99,489	7	0	0	0	0	
3	2569.20	227,662	114,780	117	1,173	31	1,204	1,394	1,394	1,394	114,780	99,562	9	0	0	0	0	
4	2569.22	227,805	114,852	139	1,297	32	1,329	1,540	1,540	1,540	114,852	99,634	11	69	69	0	0	
5	2569.14	227,232	114,563	112	1,531	32	1,563	1,386	1,386	1,386	114,563	99,345	9	329	329	0	0	
6	2569.04	226,518	114,203	121	1,586	32	1,618	1,379	1,379	1,379	114,203	98,985	10	413	413	0	0	
7	2568.94	225,807	113,844	123	1,627	30	1,657	1,421	1,421	1,421	113,844	98,626	10	433	433	0	0	
8	2568.84	225,095	113,485	95	1,468	31	1,499	1,235	1,235	1,235	113,485	98,267	8	259	259	0	0	
9	2568.74	224,386	113,128	65	1,342	29	1,371	1,062	1,062	1,062	113,111	97,893	5	152	152	0	0	
10	2568.66	223,819	112,842	92	1,191	32	1,223	1,029	999	999	112,795	97,577	8	99	99	0	0	
11	2568.59	223,323	112,592	88	1,021	30	1,051	889	905	905	112,561	97,343	7	75	75	0	0	
12	2568.53	222,899	112,378	103	875	33	908	797	824	824	112,374	97,156	9	88	88	0	0	
13	2568.44	222,265	112,059	96	977	31	1,008	785	829	829	112,099	96,881	8	102	102	0	0	
14	2568.34	221,560	111,703	111	1,118	33	1,151	906	879	879	111,716	96,498	9	108	108	0	0	
15	2568.26	220,996	111,419	96	1,102	33	1,135	947	923	923	111,408	96,190	8	92	92	0	0	
16	2568.17	220,366	111,101	96	1,105	32	1,137	915	914	914	111,089	95,871	8	80	80	0	0	
17	2568.08	219,734	110,783	97	1,066	34	1,100	879	901	901	110,793	95,575	8	72	72	0	0	
18	2568.01	219,244	110,536	104	1,018	33	1,051	908	877	877	110,515	95,297	9	100	100	0	0	
19	2567.95	218,826	110,325	108	914	33	947	844	831	831	110,291	95,073	9	107	107	0	0	
20	2567.85	218,127	109,972	97	969	28	997	741	809	809	110,006	94,788	8	103	103	0	0	
21	2567.73	217,292	109,551	105	1,120	37	1,157	841	798	798	109,542	94,324	9	105	105	0	0	
22	2567.59	216,319	109,061	105	1,161	36	1,197	812	811	811	109,051	93,833	9	110	110	0	0	
23	2567.44	215,280	108,537	105	1,167	32	1,199	780	758	758	108,505	93,287	9	97	97	0	0	
24	2567.27	214,105	107,945	86	1,143	46	1,189	683	703	703	107,933	92,715	8	106	106	0	0	
25	2567.11	213,004	107,390	94	1,077	30	1,107	646	640	640	107,372	92,154	8	113	113	0	0	
26	2566.96	211,975	106,871	104	967	38	1,005	590	624	624	106,887	91,669	9	105	105	0	0	
27	2566.81	210,947	106,353	99	1,018	37	1,055	636	620	620	106,353	91,135	9	93	93	0	0	
28	2566.63	209,719	105,733	111	1,106	38	1,144	635	610	610	105,708	90,490	10	99	99	0	0	
29	2566.42	208,292	105,014	93	1,147	38	1,185	559	584	584	105,014	89,796	9	97	97	0	0	
30	2566.22	206,939	104,332	88	1,104	34	1,138	544	544	544	104,332	89,114	8	93	93	0	0	
TOTAL SECOND FOOT DAYS				3,067	34,848	992	35,840	28,424	28,424	28,424	104,332	89,114	258	3,699	3,699	0	0	
TOTAL ACRE-FEET				6,083	69,120	1,968	71,088	56,378	56,378	56,378	206,939	176,755	512	7,337	7,337	0	0	

By:  Date: July 21, 2004

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

JUNE 2004

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	FLOW ABOVE 1ST POINT		ENT'L AT 2ND POINT		FLOW VIA KWD		FLOW VIA CWD		AT 2ND POINT		HACIENDA INC.		RESERVOIR STORAGE		ENTITLEMENT Contributed by:		FLOW ABOVE 1ST POINT		RESERVOIR STORAGE		DAY		
	ENT'L AT 1ST POINT	FLOW ABOVE 1ST POINT	ENT'L AT 2ND POINT	RESERVOIR STORAGE	VIA KWD	VIA CWD	VIA CWD	AT 2ND POINT	HACIENDA INC.	LOSS	STORAGE	LOSS	STORAGE	NKWSD	BYWSD	LOSS	STORAGE	LOSS	STORAGE				
Previous Day	861	916	33	51	282	20	182	0	1	29	36,806	0	0	0	0	0	0	0	0	0	1		
1	979	1,199	28	81	317	15	0	0	0	45	37,063	0	0	0	0	0	0	0	0	0	2		
2	1,001	1,231	29	58	327	13	0	0	0	33	37,344	0	0	0	0	0	0	0	0	0	3		
3	1,046	1,153	31	74	348	20	0	0	0	43	37,629	0	0	0	0	0	0	0	0	0	4		
4	1,146	1,210	32	88	394	18	0	69	0	51	37,885	0	0	0	0	0	0	0	0	0	5		
5	1,041	1,188	32	71	345	14	0	329	0	41	37,846	0	0	0	0	0	0	0	0	0	6		
6	1,036	1,157	32	76	343	16	0	413	0	45	37,715	0	0	0	0	0	0	0	0	0	7		
7	1,064	1,187	30	77	357	7	0	433	0	46	37,586	0	0	0	0	0	0	0	0	0	8		
8	938	1,192	31	60	297	17	0	259	0	35	37,572	0	0	0	0	0	0	0	0	0	9		
9	820	1,176	29	41	242	14	0	152	0	24	37,624	0	0	0	0	0	0	0	0	0	10		
10	777	1,078	32	58	222	14	0	99	0	34	37,699	0	0	0	0	0	0	0	0	0	11		
11	713	932	30	55	192	14	0	75	0	33	37,769	0	0	0	0	0	0	0	0	0	12		
12	657	758	33	64	167	29	0	88	0	39	37,780	0	0	0	0	0	0	0	0	0	13		
13	661	848	31	60	168	27	0	102	0	36	37,783	0	0	0	0	0	0	0	0	0	14		
14	695	971	33	69	184	39	0	108	0	42	37,778	0	0	0	0	0	0	0	0	0	15		
15	725	986	33	60	198	24	0	92	0	36	37,824	0	0	0	0	0	0	0	0	0	16		
16	719	1,005	32	59	195	20	0	80	0	37	37,882	0	0	0	0	0	0	0	0	0	17		
17	710	971	34	60	191	23	0	72	0	37	37,941	0	0	0	0	0	0	0	0	0	18		
18	693	890	33	64	184	28	0	100	0	40	37,957	0	0	0	0	0	0	0	0	0	19		
19	662	785	33	66	169	22	0	107	0	42	37,955	0	0	0	0	0	0	0	0	0	20		
20	647	842	28	59	162	24	0	103	0	38	37,952	0	0	0	0	0	0	0	0	0	21		
21	640	983	37	64	158	32	0	105	0	41	37,932	0	0	0	0	0	0	0	0	0	22		
22	648	1,025	36	64	163	26	0	110	0	41	37,918	0	0	0	0	0	0	0	0	0	23		
23	612	1,048	32	64	146	22	0	97	0	41	37,904	0	0	0	0	0	0	0	0	0	24		
24	575	1,014	46	52	128	23	0	106	0	34	37,869	0	0	0	0	0	0	0	0	0	25		
25	532	935	30	57	108	29	0	113	0	37	37,798	0	0	0	0	0	0	0	0	0	26		
26	521	805	38	63	103	57	0	105	0	41	37,698	0	0	0	0	0	0	0	0	0	27		
27	518	871	37	60	102	54	0	93	0	39	37,614	0	0	0	0	0	0	0	0	0	28		
28	511	967	38	67	99	40	0	99	0	44	37,530	0	0	0	0	0	0	0	0	0	29		
29	494	1,008	38	56	90	42	0	97	0	37	37,444	0	0	0	0	0	0	0	0	0	30		
30	466	973	34	53	78	38	0	93	0	35	37,356	0	0	0	0	0	0	0	0	0	S.F.D.		
S.F.D.	22,247	30,388	992	1,900	6,177	761	0	3,699	0	1,167	37,356	0	0	0	0	0	0	0	0	0	0	AC.F.T.	
AC.F.T.	44,126	60,274	1,968	3,768	12,252	1,509	0	7,337	0	2,315	74,095	0	0	0	0	0	0	0	0	0	0	TOTAL ACRE-FOOT STORAGE DAYS	
																			3,444,186	2,244,588	0		

TOTAL ACRE-FOOT STORAGE DAYS

REPORT OF THE KERN RIVER WATERMASTER

JUNE 2004

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH

DAY(S)

PAGE NO.

TITLE OF COLUMN

COMMENT

June

None

**KERN RIVER NEAR BAKERSFIELD, CALIFORNIA
WATER TEMPERATURE °F**

(Samples Collected over the period of 1956-1963 in Section 17, T29S, R28E - Reclamation Weir)

Month	Temperature Variance		Mean
	Low	High	
Jan	40°	53°	46°
Feb	43°	58°	51°
Mar	48°	65°	57°
Apr	53°	70°	62°
May	58°	75°	67°
Jun	63°	82°	72°
Jul	67°	84°	75°
Aug	71°	83°	77°
Sep	70°	84°	76°
Oct	56°	75°	67°
Nov	47°	64°	56°
Dec	42°	56°	49°
Annual	40°	84°	63°

Quantities in S.F.D. except where noted

JULY 2004

REPORT OF THE KERN RIVER WATERMASTER

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR STORAGE		LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN RECREATION POOL + DEAD STORAGE = 15,218 S.F.D. (30,184 ACFT)	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW DAY
		ACRE-FEET	S.F.D.					REGULATED FLOW	NATURAL FLOW					RIVER	FRIANT-KERN	
Previous Day	2566.22	206,939	104,332	88	1,104	34	1,138	544	544	544	104,332	8	93	93	0	0
1	2566.03	205,656	103,685	96	1,033	33	1,066	515	516	516	103,686	9	89	89	0	1
2	2565.86	204,514	103,109	93	966	35	1,001	518	509	509	103,101	9	97	97	0	2
3	2565.73	203,644	102,671	91	808	34	842	495	499	499	102,667	9	105	105	0	3
4	2565.59	202,708	102,199	106	810	39	849	483	480	480	102,192	10	97	97	0	4
5	2565.38	201,310	101,494	114	1,015	37	1,052	461	481	481	101,507	11	87	87	0	5
6	2565.15	199,786	100,725	113	1,124	30	1,154	498	474	474	100,714	11	83	83	0	6
7	2564.90	198,136	99,894	102	1,151	40	1,191	462	470	470	99,891	10	73	73	0	7
8	2564.62	196,299	98,967	99	1,241	36	1,277	449	444	444	98,959	10	76	76	0	8
9	2564.34	194,472	98,046	91	1,214	36	1,250	420	446	446	98,064	9	119	119	0	9
10	2564.15	193,239	97,425	109	947	33	980	468	428	428	97,403	11	101	101	0	10
11	2563.94	191,881	96,740	112	933	35	968	395	406	406	96,729	11	106	106	0	11
12	2563.68	190,208	95,897	110	1,055	34	1,089	356	375	375	95,905	11	85	85	0	12
13	2563.42	188,544	95,058	109	1,067	36	1,103	373	360	360	95,053	11	76	76	0	13
14	2563.15	186,826	94,191	105	1,077	36	1,113	351	342	342	94,177	11	91	91	0	14
15	2562.87	185,054	93,298	114	1,045	35	1,080	301	330	330	93,313	12	96	96	0	15
16	2562.63	183,544	92,537	122	943	35	978	339	331	331	92,544	13	83	83	0	16
17	2562.45	182,416	91,968	117	770	36	806	354	365	365	91,986	13	95	95	0	17
18	2562.27	181,292	91,401	121	813	35	848	402	382	382	91,399	13	96	96	0	18
19	2562.06	179,987	90,743	114	900	35	935	391	390	390	90,740	13	90	90	0	19
20	2561.84	178,627	90,058	112	915	36	951	378	383	383	90,060	12	79	79	0	20
21	2561.61	177,211	89,344	113	948	34	982	381	367	367	89,332	13	83	83	0	21
22	2561.37	175,741	88,603	112	937	35	972	343	349	349	88,597	13	91	91	0	22
23	2561.12	174,218	87,835	94	959	38	997	323	323	323	87,829	11	84	84	0	23
24	2560.90	172,885	87,163	107	835	33	868	303	311	311	87,165	12	99	99	0	24
25	2560.69	171,619	86,525	113	795	38	833	308	305	305	86,524	13	91	91	0	25
26	2560.46	170,238	85,828	112	852	36	888	303	300	300	85,824	13	83	83	0	26
27	2560.19	168,627	85,016	106	960	36	996	290	289	289	85,011	13	141	141	0	27
28	2559.88	166,788	84,089	115	1,050	35	1,085	273	270	270	84,081	14	212	212	0	28
29	2559.59	165,080	83,228	95	980	34	1,014	248	247	247	83,219	12	219	219	0	29
30	2559.30	163,383	82,372	79	961	36	997	220	229	229	82,372	10	226	226	0	30
31	2559.01	161,697	81,522	94	958	35	993	237	237	237	81,522	12	277	277	0	31
TOTAL SECOND FOOT DAYS				3,290	30,062	1,096	31,158	11,638	11,638	11,638	81,522	355	3,430	3,430	0	0
TOTAL ACRE-FEET				6,526	59,627	2,174	61,801	23,084	23,084	23,084	161,697	704	6,803	6,803	0	0

By: 

Date: August 18, 2004

REPORT OF THE KERN RIVER WATERMASTER

JULY 2004

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT BUENA VISTA WATER STORAGE DISTRICT HACIENDA WATER DISTRICT

DAY	FLOW ABOVE		ENT'L AT 2ND		RESERVOIR STORAGE			ENTITLEMENT Contributed by:		FLOW ABOVE		RESERVOIR STORAGE	
	POINT	1ST POINT	AT 2ND POINT	AT 2ND POINT	LOSS	STORAGE	INC.	NKWS	BVWS	POINT	1ST POINT	LOSS	STORAGE
Previous Day	466	973	34	51,758	78	38	0	93	0	35	37,356	0	0
1	447	904	33	51,211	69	40	0	89	0	39	37,257	0	0
2	443	840	35	50,724	66	29	0	97	0	38	37,159	0	0
3	436	670	34	50,402	63	33	0	105	0	37	37,047	0	0
4	423	686	39	50,037	57	27	0	97	0	43	36,937	0	0
5	423	893	37	49,462	58	35	0	87	0	46	36,827	0	0
6	419	1,006	30	48,778	55	35	0	83	0	46	36,718	0	0
7	416	1,029	40	48,065	54	49	0	73	0	42	36,608	0	0
8	398	1,113	36	47,256	46	52	0	76	0	41	36,485	0	0
9	400	1,044	36	46,523	46	51	0	119	0	38	36,323	0	0
10	387	824	33	45,990	41	22	0	101	0	46	36,195	0	0
11	372	814	35	45,448	34	13	0	106	0	47	36,063	0	0
12	351	954	34	44,748	24	16	0	85	0	47	35,939	0	0
13	341	976	36	44,014	19	15	0	76	0	46	35,821	0	0
14	329	954	36	43,293	13	20	12	91	0	45	35,666	0	0
15	320	835	35	42,678	10	14	100	96	0	49	35,417	0	0
16	321	809	35	42,086	10	8	43	83	0	53	35,240	0	0
17	344	641	36	41,687	21	0	34	95	0	51	35,081	0	0
18	356	686	35	41,254	26	1	30	96	0	53	34,927	0	0
19	361	674	35	40,842	29	43	93	90	0	50	34,680	0	0
20	357	667	36	40,433	26	80	89	79	0	49	34,409	0	0
21	346	694	34	39,987	21	84	87	83	0	49	34,127	0	0
22	333	667	35	39,555	16	115	64	91	0	49	33,824	0	0
23	316	687	38	39,093	7	121	67	84	0	41	33,518	0	0
24	308	558	33	38,750	3	122	56	99	0	47	33,197	0	0
25	303	541	38	38,410	2	122	41	91	0	49	32,896	0	0
26	300	569	36	38,042	0	156	44	83	0	49	32,564	0	0
27	289	568	36	37,667	0	177	74	141	0	46	32,126	0	0
28	270	582	35	37,255	0	162	94	212	0	50	31,608	0	0
29	247	572	34	36,842	0	95	94	219	0	41	31,159	0	0
30	229	575	36	36,415	0	107	53	226	0	34	30,739	0	0
31	237	559	35	36,005	0	73	49	277	0	41	30,299	0	0
S.F.D.	10,822	23,591	1,096	1,888	816	1,917	1,124	3,430	0	1,402	30,299	0	0
Ac.Ft.	21,465	46,792	2,174	3,745	1,619	3,802	2,230	6,803	0	2,781	60,037	0	0

TOTAL ACRE-FOOT STORAGE DAYS 2,643,870 TOTAL ACRE-FOOT STORAGE DAYS 2,135,912 TOTAL ACRE-FOOT STORAGE DAYS 0

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

None

**KERN RIVER NATURAL FLOW
FIRST POINT OF MEASUREMENT
1994 - JULY
1994 TO DATE**

In order of Magnitude

YEAR	Quantities in acre-feet												TOTAL	AVERAGE	% OF
	APR	MAY	JUN	JUL	APR	MAY	JUN	JUL	APR	MAY	JUN	JUL			
1961	24,137	25,980	24,305	8,952	87,374	19%									
1962	28,540	41,722	14,069	8,225	92,556	20%									
1963	23,391	25,630	35,655	0,973	86,649	21%									
1964	23,440	41,867	24,262	14,769	108,754	23%									
1965	25,324	20,345	20,345	13,380	113,344	24%									
1966	36,019	43,065	11,341	116,145	130,585	25%									
1967	28,288	39,945	32,081	18,013	127,720	28%									
1968	40,566	45,213	32,809	15,033	135,303	29%									
1969	42,248	45,213	32,809	16,204	142,474	30%									
1970	39,584	58,330	43,140	16,683	168,472	36%									
1971	46,272	58,336	47,181	16,324	179,153	39%									
1972	55,448	61,521	54,623	21,068	192,928	41%									
1973	42,946	67,224	56,223	18,900	191,004	41%									
1974	46,489	67,224	56,223	18,900	191,004	41%									
1975	37,757	68,295	60,344	18,716	193,702	42%									
1976	28,102	76,885	76,366	24,125	196,888	42%									
1977	50,517	84,508	57,685	17,201	209,911	45%									
1978	55,236	75,108	56,146	21,408	211,408	45%									
1979	42,484	73,561	60,738	34,929	211,722	46%									
1980	53,133	69,991	63,775	23,703	215,307	46%									
1981	58,838	69,991	63,775	23,703	215,307	46%									
1982	58,838	69,991	63,775	23,703	215,307	46%									
1983	58,838	69,991	63,775	23,703	215,307	46%									
1984	58,838	69,991	63,775	23,703	215,307	46%									
1985	58,838	69,991	63,775	23,703	215,307	46%									
1986	58,838	69,991	63,775	23,703	215,307	46%									
1987	58,838	69,991	63,775	23,703	215,307	46%									
1988	58,838	69,991	63,775	23,703	215,307	46%									
1989	58,838	69,991	63,775	23,703	215,307	46%									
1990	58,838	69,991	63,775	23,703	215,307	46%									
1991	58,838	69,991	63,775	23,703	215,307	46%									
1992	58,838	69,991	63,775	23,703	215,307	46%									
1993	58,838	69,991	63,775	23,703	215,307	46%									
1994	58,838	69,991	63,775	23,703	215,307	46%									
1995	58,838	69,991	63,775	23,703	215,307	46%									
1996	58,838	69,991	63,775	23,703	215,307	46%									
1997	58,838	69,991	63,775	23,703	215,307	46%									
1998	58,838	69,991	63,775	23,703	215,307	46%									
1999	58,838	69,991	63,775	23,703	215,307	46%									
2000	58,838	69,991	63,775	23,703	215,307	46%									
2001	58,838	69,991	63,775	23,703	215,307	46%									
2002	58,838	69,991	63,775	23,703	215,307	46%									
2003	58,838	69,991	63,775	23,703	215,307	46%									
2004	58,838	69,991	63,775	23,703	215,307	46%									
2005	58,838	69,991	63,775	23,703	215,307	46%									
2006	58,838	69,991	63,775	23,703	215,307	46%									
2007	58,838	69,991	63,775	23,703	215,307	46%									
2008	58,838	69,991	63,775	23,703	215,307	46%									
2009	58,838	69,991	63,775	23,703	215,307	46%									
2010	58,838	69,991	63,775	23,703	215,307	46%									
2011	58,838	69,991	63,775	23,703	215,307	46%									
2012	58,838	69,991	63,775	23,703	215,307	46%									
2013	58,838	69,991	63,775	23,703	215,307	46%									
2014	58,838	69,991	63,775	23,703	215,307	46%									
2015	58,838	69,991	63,775	23,703	215,307	46%									
2016	58,838	69,991	63,775	23,703	215,307	46%									
2017	58,838	69,991	63,775	23,703	215,307	46%									
2018	58,838	69,991	63,775	23,703	215,307	46%									
2019	58,838	69,991	63,775	23,703	215,307	46%									
2020	58,838	69,991	63,775	23,703	215,307	46%									
2021	58,838	69,991	63,775	23,703	215,307	46%									
2022	58,838	69,991	63,775	23,703	215,307	46%									
2023	58,838	69,991	63,775	23,703	215,307	46%									
2024	58,838	69,991	63,775	23,703	215,307	46%									
2025	58,838	69,991	63,775	23,703	215,307	46%									
2026	58,838	69,991	63,775	23,703	215,307	46%									
2027	58,838	69,991	63,775	23,703	215,307	46%									
2028	58,838	69,991	63,775	23,703	215,307	46%									
2029	58,838	69,991	63,775	23,703	215,307	46%									
2030	58,838	69,991	63,775	23,703	215,307	46%									
2031	58,838	69,991	63,775	23,703	215,307	46%									
2032	58,838	69,991	63,775	23,703	215,307	46%									
2033	58,838	69,991	63,775	23,703	215,307	46%									
2034	58,838	69,991	63,775	23,703	215,307	46%									
2035	58,838	69,991	63,775	23,703	215,307	46%									
2036	58,838	69,991	63,775	23,703	215,307	46%									
2037	58,838	69,991	63,775	23,703	215,307	46%									
2038	58,838	69,991	63,775	23,703	215,307	46%									
2039	58,838	69,991	63,775	23,703	215,307	46%									
2040	58,838	69,991	63,775	23,703	215,307	46%									
2041	58,838	69,991	63,775	23,703	215,307	46%									
2042	58,838	69,991	63,775	23,703	215,307	46%									
2043	58,838	69,991	63,775	23,703	215,307	46%									
2044	58,838	69,991	63,775	23,703	215,307	46%									
2045	58,838	69,991	63,775	23,703	215,307	46%									
2046	58,838	69,991	63,775	23,703	215,307	46%									
2047	58,838	69,991	63,775	23,703	215,307	46%									
2048	58,838	69,991	63,775	23,703	215,307	46%									
2049	58,838	69,991	63,775	23,703	215,307	46%									
2050	58,838	69,991	63,775	23,703	215,307	46%									
2051	58,838	69,991	63,775	23,703	215,307	46%									
2052	58,838	69,991	63,775	23,703	215,307	46%									
2053	58,838	69,991	63,775	23,703	215,307	46%									
2054	58,838	69,991	63,775	23,703	215,307	46%									
2055	58,838	69,991	63,775	23,703	215,307	46%									
2056	58,838	69,991	63,775	23,703	215,307	46%									
2057	58,838	69,991	63,775	23,703	215,307	46%									
2058	58,838	69,991	63,775	23,703	215,307	46%									
2059	58,838	69,991	63,775	23,703	215,307	46%									
2060	58,838	69,991	63,775	23,703	215,307	46%									
2061	58,838	69,991	63,775	23,703	215,307	46%									
2062	58,838	69,991	63,775	23,703	215,307	46%									
2063	58,838	69,991	63,775	23,703	215,307	46%									
2064	58,838	69,991	63,775	23,703	215,307	46%									
2065	58,838	69,991	63,775	23,703	215,307	46%									
2066	58,838	69,991	63,775	23,703	215,307	46%									
2067	58,838	69,991	63,775	23,703	215,307	46%									
2068	58,838	69,991	63,775	23,703	215,307	46%									
2069	58,838	69,991	63,775	23,703	215,307	46%									
2070	58,838	69,991	63,775	23,703	215,307	46%									
2071	58,838	69,991	63,775	23,703	215,307	46%									
2072	58,838	69,991	63,775	23,703	215,307	46%									
2073	58,838	69,991	63,775	23,703	215,307	46%									
2074	58,838	69,991	63,775	23,703	215,307	46%									
2075	58,838	69,991	63,775	23,703	215,307	46%									
2076	58,838	69,991	63,775	23,703	215,307	46%									
2077	58,838	69,991	63,775	23,703	215,307	46%									
2078	58,838	69,991	63,775	23,703	215,307	46%									
2079	58,838	69,991	63,775	23,703	215,307	46%									
2080	58,838	69,991	63,775	23,703	215,307	46%									
2081	58,838	69,991	63,775	23,703	215,307	46%									
2082	58,838	69,991	63,775	23,703	215,307	46%									
2083	58,838	69,991	63,775	23,703	215,307	46%									
2084	58,838	69,991	63,775	23,703	215,307	46%									
2085	58,838	69,991	63,775	23,703	215,307	46%									
2086	58,838	69,991	63,775	23,703	215,307	46%									
2087	58,838	69,991	63,775	23,703	215,307	46%									
2088	58,838	69,991	63,775	23,703	215,307	46%									
2089	58,838	69,991	63,775	23,703	215,307	46%									
2090	58,838	69,991	63,775	23,703	215,307	46%									
2091	58,838	69,991	63,775	23,703	215,307	46%									
2092	58,838	69,991	63,775	23,703	215,307	46%									
2093	58,838	69,991	63,775	23,703	215,307	46%									
2094	58,838	69,991	63,775	23,703	215,307	46%									
2095	58,838	69,991	63,775	23,703	215,307	46%									
2096	58,838	69,991	63,775	23,703	215,307	46%									
2097	58,838	69,991	63,775	23,703	215,307	46%									
2098	58,838	69,991	63,775	23,703	215,307	46%									
2099	58,838	69,991	63,775	23,703	215,307	46%									
2100	58,838	69,991	63,775	23,703	215,307	46%									
2101	58,838	69,991	63,775	23,703	215,307	46%									
2102	58,838	69,991	63,775	23,703	215,307	46%									
2103	58,838	69,991	63,775	23,703	215,307	46%									
2104	58,838	69,991	63,775	23,703	215,307	46%									
2105	58,838	69,991	63,775	23,703	215,307	46%									
2106	58,838	69,991	63,775	23,703	215,307	46%									
2107	58,838	69,991	63,775	23,703	215,307	46%									
2108	58,838	69,991	63,775	23,703	215,307	46%									
2109	58,838	69,991	63,775	23,703	215,307	46%									
2110	58,838	69,991	63,775	23,703	215,307	46%									
2111	58,838	69,991	63,775	23,703	215,307	46%									
2112	58,838	69,991	63,775	23,703	215,307	46%									
2113	58,838	69,991	63,775	23,703	215,307	46%									
2114	5														

REPORT OF THE KERN RIVER WATERMASTER

AUGUST 2004

Quantities in S.F.D. except where noted

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE-LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL STORAGE	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW		FRONT-KERN INFLOW DAY	
		MIDNIGHT STORAGE ACRE-FEET	S.F.D. LOSS				+1ST POINT REGULATED FLOW	IRRIGATION (30,184 ACFT)					KERN RIVER	AT 2ND POINT		
Previous Day	2559.01	161,697	81,522	94	958	35	993	237	237	81,522	66,304	277	277	0	0	
1	2558.74	160,139	80,737	85	902	34	936	236	236	80,737	65,519	291	271	0	0	
2	2558.47	158,589	79,955	90	893	34	927	235	229	79,949	64,731	290	266	0	0	
3	2558.20	157,049	79,179	94	864	34	898	216	220	79,177	63,959	300	275	0	0	
4	2557.94	155,575	78,436	89	829	35	864	210	207	78,431	63,213	292	266	0	0	
5	2557.68	154,111	77,698	74	827	32	859	195	192	77,690	62,472	292	265	0	0	
6	2557.39	152,487	76,879	71	882	37	919	171	196	76,896	61,678	342	317	0	0	
7	2557.11	150,930	76,094	103	871	34	905	223	196	76,084	60,866	353	328	0	0	
8	2556.82	149,329	75,287	89	876	35	911	193	202	75,286	60,068	346	322	0	0	
9	2556.49	147,521	74,375	83	985	34	1,019	190	189	74,373	59,155	357	334	0	0	
10	2556.10	145,401	73,306	99	1,123	32	1,155	185	207	73,326	58,108	379	359	0	0	
11	2555.70	143,250	72,222	107	1,192	30	1,222	245	212	72,209	56,991	360	343	0	0	
12	2555.33	141,277	71,227	102	1,067	32	1,099	206	215	71,223	56,005	204	188	0	0	
13	2555.04	139,743	70,454	74	864	30	894	195	202	70,457	55,239	37	18	0	0	
14	2554.80	138,483	69,819	76	743	21	764	205	209	69,826	54,608	0	0	0	0	
15	2554.57	137,282	69,213	93	719	22	741	228	225	69,217	53,999	0	0	0	0	
16	2554.33	136,036	68,585	80	764	25	789	241	229	68,577	53,359	0	0	0	0	
17	2554.10	134,850	67,987	76	713	27	740	218	221	67,982	52,764	0	0	0	0	
18	2553.84	133,516	67,314	84	768	25	793	204	210	67,315	52,097	0	0	0	0	
19	2553.59	132,243	66,673	84	728	38	766	209	204	66,669	51,451	0	0	0	0	
20	2553.37	131,129	66,111	89	640	31	671	198	199	66,108	50,890	0	0	0	0	
21	2553.19	130,222	65,654	83	528	35	563	189	199	65,661	50,443	0	0	0	0	
22	2553.01	129,319	65,198	71	559	35	594	209	187	65,183	49,965	0	0	0	0	
23	2552.78	128,172	64,620	65	643	34	677	164	183	64,624	49,406	0	0	0	0	
24	2552.54	126,982	64,020	78	663	34	697	175	172	64,021	48,803	0	0	0	0	
25	2552.29	125,750	63,399	76	689	32	721	176	174	63,398	48,180	0	0	0	0	
26	2552.06	124,625	62,832	69	635	34	669	171	187	62,847	47,629	0	0	0	0	
27	2551.88	123,749	62,390	60	564	32	596	214	200	62,391	47,173	0	0	0	0	
28	2551.73	123,071	62,048	75	450	32	482	215	195	62,029	46,811	0	0	0	0	
29	2551.59	122,297	61,658	75	440	32	472	157	186	61,668	46,450	0	0	0	0	
30	2551.40	121,432	61,222	74	516	32	548	186	176	61,222	46,004	0	0	0	0	
31	2551.20	120,476	60,740	84	532	33	565	167	167	60,740	45,522	0	0	0	0	
TOTAL SECOND FOOT DAYS													390	3,843	0	0
TOTAL ACRE-FEET													774	7,623	7,046	0

By: *[Signature]*

Date: September 20, 2004

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	ENT'L AT 1ST		FLOW ABOVE 1ST		RESERVOIR		ENT'L AT 2ND		FLOW			RESERVOIR		ENTITLEMENT		FLOW ABOVE 1ST		RESERVOIR																						
	POINT	POINT	POINT	POINT	LOSS	STORAGE	POINT	POINT	VIA	VIA	FOR	AT 2ND	POINT	POINT	CONTRIBUTED BY:	CONTRIBUTED BY:	POINT	POINT	LOSS	STORAGE	DAY																			
Previous Day	237	559	35	53	36,005	0	73	49	0	277	41	30,299	0	0	0	0	0	0	0	0	0																			
1	236	501	34	48	35,658	0	24	39	67	271	37	29,861	0	0	0	0	0	0	0	0	1																			
2	229	485	34	51	35,317	0	29	47	66	266	39	29,414	0	0	0	0	0	0	0	0	2																			
3	220	461	34	54	34,988	0	24	48	56	275	40	28,971	0	0	0	0	0	0	0	0	3																			
4	207	425	35	51	34,684	0	26	55	57	266	38	28,529	0	0	0	0	0	0	0	0	4																			
5	192	424	32	43	34,377	0	28	49	61	265	31	28,095	0	0	0	0	0	0	0	0	5																			
6	196	419	37	41	34,076	0	45	43	58	317	30	27,602	0	0	0	0	0	0	0	0	6																			
7	196	419	34	60	33,759	0	15	52	57	328	43	27,107	0	0	0	0	0	0	0	0	7																			
8	202	440	35	52	33,434	0	6	50	58	322	37	26,634	0	0	0	0	0	0	0	0	8																			
9	189	517	34	49	33,023	0	7	63	64	334	34	26,132	0	0	0	0	0	0	0	0	9																			
10	207	589	32	58	32,551	0	19	93	63	359	41	25,557	0	0	0	0	0	0	0	0	10																			
11	212	653	30	63	32,017	0	21	107	68	343	44	24,974	0	0	0	0	0	0	0	0	11																			
12	215	661	32	60	31,479	0	27	124	67	188	42	24,526	0	0	0	0	0	0	0	0	12																			
13	202	660	30	44	30,947	0	13	97	76	18	30	24,292	0	0	0	0	0	0	0	0	13																			
14	209	587	21	45	30,503	0	11	73	72	0	31	24,105	0	0	0	0	0	0	0	0	14																			
15	225	566	22	55	30,085	0	12	66	75	0	38	23,914	0	0	0	0	0	0	0	0	15																			
16	229	560	25	47	29,682	0	38	93	73	0	33	23,677	0	0	0	0	0	0	0	0	16																			
17	221	501	27	45	29,330	0	29	107	76	0	31	23,434	0	0	0	0	0	0	0	0	17																			
18	210	586	25	49	28,880	0	33	59	90	0	35	23,217	0	0	0	0	0	0	0	0	18																			
19	204	617	38	49	28,380	0	27	9	75	0	35	23,071	0	0	0	0	0	0	0	0	19																			
20	199	400	31	52	28,096	0	33	138	69	0	37	22,794	0	0	0	0	0	0	0	0	20																			
21	199	306	35	49	27,905	0	28	121	73	0	34	22,538	0	0	0	0	0	0	0	0	21																			
22	187	356	35	42	27,659	0	39	98	66	0	29	22,306	0	0	0	0	0	0	0	0	22																			
23	183	384	34	38	27,386	0	47	136	76	0	27	22,020	0	0	0	0	0	0	0	0	23																			
24	172	414	34	46	27,064	0	37	138	74	0	32	21,739	0	0	0	0	0	0	0	0	24																			
25	174	451	32	45	26,710	0	34	141	63	0	31	21,470	0	0	0	0	0	0	0	0	25																			
26	187	387	34	41	26,435	0	29	141	78	0	28	21,194	0	0	0	0	0	0	0	0	26																			
27	200	356	32	35	26,212	0	24	123	61	0	25	20,961	0	0	0	0	0	0	0	0	27																			
28	195	263	32	44	26,068	0	14	98	75	0	31	20,743	0	0	0	0	0	0	0	0	28																			
29	186	249	32	44	25,929	0	18	94	79	0	31	20,521	0	0	0	0	0	0	0	0	29																			
30	176	273	32	44	25,756	0	23	143	77	0	30	20,248	0	0	0	0	0	0	0	0	30																			
31	167	291	33	50	25,549	0	25	143	73	0	34	19,973	0	0	0	0	0	0	0	0	31																			
S.F.D.	6,226	14,201	987	1,494	25,549	0	785	2,788	2,143	3,552	1,058	19,973	0	0	0	0	0	0	0	0	S.F.D.																			
AC.F.T.	12,349	28,166	1,958	2,964	50,676	0	1,557	5,530	4,251	7,046	2,098	39,616	0	0	0	0	0	0	0	0	AC.F.T.																			
TOTAL ACRE-FOOT STORAGE DAYS																			1,852,440	TOTAL ACRE-FOOT STORAGE DAYS																			1,486,847	0

REPORT OF THE KERN RIVER WATERMASTER

AUGUST 2004
WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
August	1-31	2	BVWSD FLOW - FOR KCWA	Delivered as per terms of BUENA VISTA WATER STORAGE DISTRICT/Kern County Water Agency (ID4) exchange agreement dated June 9, 2004.

2004 APRIL-JULY UNIMPAIRED RUNOFF
Central Valley Streams

Watershed	(1) 50-Year Average	Median Forecast as of			(2) 2004 Actual	% of Average
		Feb. 1	Mar. 1	Apr. 1		
April-July Flows in 1000 Acre-feet						
Sacramento River above Bend Bridge	2,521	2,350	2,750	2,380	1,899	75%
Feather River at Oroville Reservoir	1,870	1,700	1,940	1,530	1,237	66%
Yuba River at Smartville	1,044	980	1,070	830	612	59%
American River at Folsom Reservoir	1,282	1,170	1,280	940	649	51%
Cosumnes River at Michigan Bar	130	110	115	71	41	32%
Mokelumne River at Pardee Reservoir	469	440	470	350	264	56%
Stanislaus River at Melones Reservoir	716	660	710	530	417	58%
Tuolumne River at Don Pedro Reservoir	1,230	1,140	1,220	940	763	62%
Merced River at Lake McClure	633	550	590	450	333	53%
San Joaquin River at Millerton Lake	1,262	1,050	1,170	880	735	58%
Kings River at Pine Flat Reservoir	1,234	1,080	1,150	850	702	57%
Kaweah River at Terminus Reservoir	290	240	250	180	133	46%
Tule River at Success Reservoir	65	46	48	29	14	22%
KERN RIVER AT ISABELLA RESERVOIR	470	340	360	260	223	47%

(1) All 50-year averages are based on data for water years 1951-2000

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

Quantities in S.F.D. except where noted

REPORT OF THE KERN RIVER WATERMASTER

SEPTEMBER 2004

DAY	ISABELLA RESERVOIR		LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW		FRIANT-KERN INFLOW	DAY		
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET					AT 1ST POINT	+1ST POINT REGULATED FLOW					AT 2ND POINT	KERN RIVER			KERN	
Previous Day	2551.20	120,476	60,740	532	33	565	167	167	167	60,740	45,522	15	0	0	0	0	1	
1	2550.99	119,477	60,236	551	31	582	167	164	164	60,233	45,015	16	0	0	0	0	2	
2	2550.76	118,389	59,688	574	43	617	158	155	155	59,687	44,469	16	0	0	0	0	3	
3	2550.50	117,169	59,073	687	26	713	155	155	155	59,072	43,854	11	0	0	0	0	4	
4	2550.24	115,956	58,461	673	35	708	152	165	165	58,473	43,255	11	0	0	0	0	5	
5	2550.00	114,845	57,901	656	26	682	189	176	176	57,900	42,682	13	0	0	0	0	6	
6	2549.75	113,694	57,321	657	34	691	187	190	190	57,323	42,105	15	0	0	0	0	7	
7	2549.56	112,825	56,883	541	31	572	193	186	186	56,878	41,660	11	0	0	0	0	8	
8	2549.37	111,961	56,447	508	33	541	179	177	177	56,440	41,222	15	0	0	0	0	9	
9	2549.20	111,192	56,059	443	36	479	159	168	168	56,061	40,843	13	0	0	0	0	10	
10	2549.04	110,470	55,695	418	35	453	165	161	161	55,693	40,475	15	0	0	0	0	11	
11	2548.91	109,887	55,401	352	32	384	158	160	160	55,401	40,183	14	0	0	0	0	12	
12	2548.77	109,261	55,086	363	33	396	157	156	156	55,085	39,867	15	0	0	0	0	13	
13	2548.59	108,460	54,682	426	30	456	152	152	152	54,681	39,463	20	0	0	0	0	14	
14	2548.39	107,575	54,236	498	29	527	146	144	144	54,233	39,015	13	0	0	0	0	15	
15	2548.20	106,739	53,814	466	29	495	135	144	144	53,820	38,602	13	0	0	0	0	16	
16	2548.03	105,993	53,438	429	34	463	150	142	142	53,436	38,218	13	0	0	0	0	17	
17	2547.86	105,253	53,065	420	29	449	142	145	145	53,066	37,848	14	0	0	0	0	18	
18	2547.70	104,559	52,715	394	30	424	144	144	144	52,716	37,498	15	0	0	0	0	19	
19	2547.56	103,954	52,410	376	27	403	146	148	148	52,413	37,195	10	0	0	0	0	20	
20	2547.44	103,438	52,150	357	29	386	155	151	151	52,149	36,931	6	0	0	0	0	21	
21	2547.32	102,923	51,890	340	29	369	153	157	157	51,893	36,675	10	0	0	0	0	22	
22	2547.20	102,411	51,632	338	31	369	164	159	159	51,630	36,412	12	0	0	0	0	23	
23	2547.08	101,899	51,374	346	28	374	160	164	164	51,376	36,158	10	0	0	0	0	24	
24	2546.97	101,433	51,139	323	28	351	167	164	164	51,138	35,920	11	0	0	0	0	25	
25	2546.88	101,051	50,947	281	29	310	166	165	165	50,945	35,727	11	0	0	0	0	26	
26	2546.78	100,629	50,734	288	31	319	163	157	157	50,726	35,508	13	0	0	0	0	27	
27	2546.66	100,125	50,480	316	29	345	142	141	141	50,471	35,253	11	0	0	0	0	28	
28	2546.52	99,537	50,183	327	33	360	118	133	133	50,189	34,971	12	0	0	0	0	29	
29	2546.39	98,995	49,910	338	27	365	138	132	132	49,910	34,692	10	0	0	0	0	30	
30	2546.27	98,495	49,658	323	32	355	140	140	140	49,658	34,440	8	0	0	0	0		
TOTAL SECOND FOOT DAYS				1,844	13,009	929	13,938	4,700	4,700	49,658	34,440	377	0	0	0	0		
TOTAL ACRE-FEET				3,658	25,803	1,843	27,646	9,322	9,322	98,495	68,311	748	0	0	0	0	0	

By:  Date: October 28, 2004

REPORT OF THE KERN RIVER WATERMASTER

SEPTEMBER 2004

Quantities in S.F.D. except where noted

PAGE 2 of 5

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	ENT'L AT 1ST		FLOW ABOVE 1ST		RESERVOIR STORAGE		ENT'L AT 1ST		FLOW ABOVE 1ST		RESERVOIR STORAGE		ENT'L AT 1ST		FLOW ABOVE 1ST		RESERVOIR STORAGE																				
	POINT	POINT	POINT	POINT	LOSS	STORAGE	POINT	POINT	POINT	POINT	LOSS	STORAGE	POINT	POINT	POINT	POINT	LOSS	STORAGE																			
Previous Day	167	291	33	50	25,549	0	25	143	73	0	0	34	19,973	0	0	0	0	0																			
1	164	310	31	53	25,319	0	34	136	71	0	0	36	19,696	0	0	0	0	0																			
2	160	342	43	53	25,041	0	25	122	85	0	0	36	19,428	0	0	0	0	0																			
3	155	319	26	34	24,817	0	21	125	222	0	0	23	19,037	0	0	0	0	0																			
4	165	242	35	34	24,671	0	20	89	0	322	0	22	18,584	0	0	0	0	0																			
5	176	230	26	41	24,550	0	16	82	0	328	0	26	18,132	0	0	0	0	0																			
6	190	263	34	46	24,397	0	20	90	0	284	0	30	17,708	0	0	0	0	0																			
7	186	278	31	36	24,238	0	24	157	0	82	0	23	17,422	0	0	0	0	0																			
8	177	243	33	46	24,093	0	18	163	0	84	0	28	17,129	0	0	0	0	0																			
9	168	204	36	42	23,979	0	25	132	0	82	0	26	16,864	0	0	0	0	0																			
10	161	187	35	47	23,871	0	34	133	0	64	0	29	16,604	0	0	0	0	0																			
11	160	251	32	42	23,706	0	35	66	0	0	0	26	16,477	0	0	0	0	0																			
12	156	269	33	47	23,513	0	28	66	0	0	0	29	16,354	0	0	0	0	0																			
13	152	327	30	62	23,246	0	27	72	0	0	0	38	16,217	0	0	0	0	0																			
14	144	310	29	40	23,011	0	27	161	0	0	0	25	16,004	0	0	0	0	0																			
15	144	321	29	39	22,766	0	33	112	0	0	0	23	15,836	0	0	0	0	0																			
16	142	296	34	39	22,539	0	37	96	0	0	0	24	15,679	0	0	0	0	0																			
17	145	292	29	41	22,322	0	32	96	0	0	0	25	15,526	0	0	0	0	0																			
18	144	314	30	44	22,078	0	30	50	0	0	0	26	15,420	0	0	0	0	0																			
19	148	305	27	30	21,864	0	22	49	0	0	0	18	15,331	0	0	0	0	0																			
20	151	288	29	18	21,680	0	24	45	0	0	0	11	15,251	0	0	0	0	0																			
21	157	271	29	27	21,510	0	23	46	0	0	0	17	15,165	0	0	0	0	0																			
22	159	257	31	33	21,348	0	33	48	0	0	0	20	15,064	0	0	0	0	0																			
23	164	275	28	27	21,182	0	30	41	0	0	0	17	14,976	0	0	0	0	0																			
24	164	256	28	32	21,030	0	23	44	0	0	0	19	14,890	0	0	0	0	0																			
25	165	231	29	30	20,905	0	23	27	0	0	0	18	14,822	0	0	0	0	0																			
26	157	241	31	35	20,755	0	14	33	0	0	0	22	14,753	0	0	0	0	0																			
27	141	251	29	32	20,584	0	14	51	0	0	0	19	14,669	0	0	0	0	0																			
28	133	184	33	34	20,466	0	18	125	0	0	0	21	14,505	0	0	0	0	0																			
29	132	197	27	29	20,345	0	17	124	0	0	0	17	14,347	0	0	0	0	0																			
30	140	189	32	23	20,241	0	19	115	0	0	0	14	14,199	0	0	0	0	0																			
S.F.D.	4,700	7,943	929	1,136	20,241	0	746	2,696	378	1,246	0	708	14,199	0	0	0	0	0																			
AC.FT.	9,322	15,756	1,843	2,254	40,148	0	1,479	5,348	749	2,471	0	1,404	28,163	0	0	0	0	0																			
TOTAL ACRE-FOOT STORAGE DAYS																		1,348,892	TOTAL ACRE-FOOT STORAGE DAYS																		964,143
TOTAL ACRE-FOOT STORAGE DAYS																		0	TOTAL ACRE-FOOT STORAGE DAYS																		0

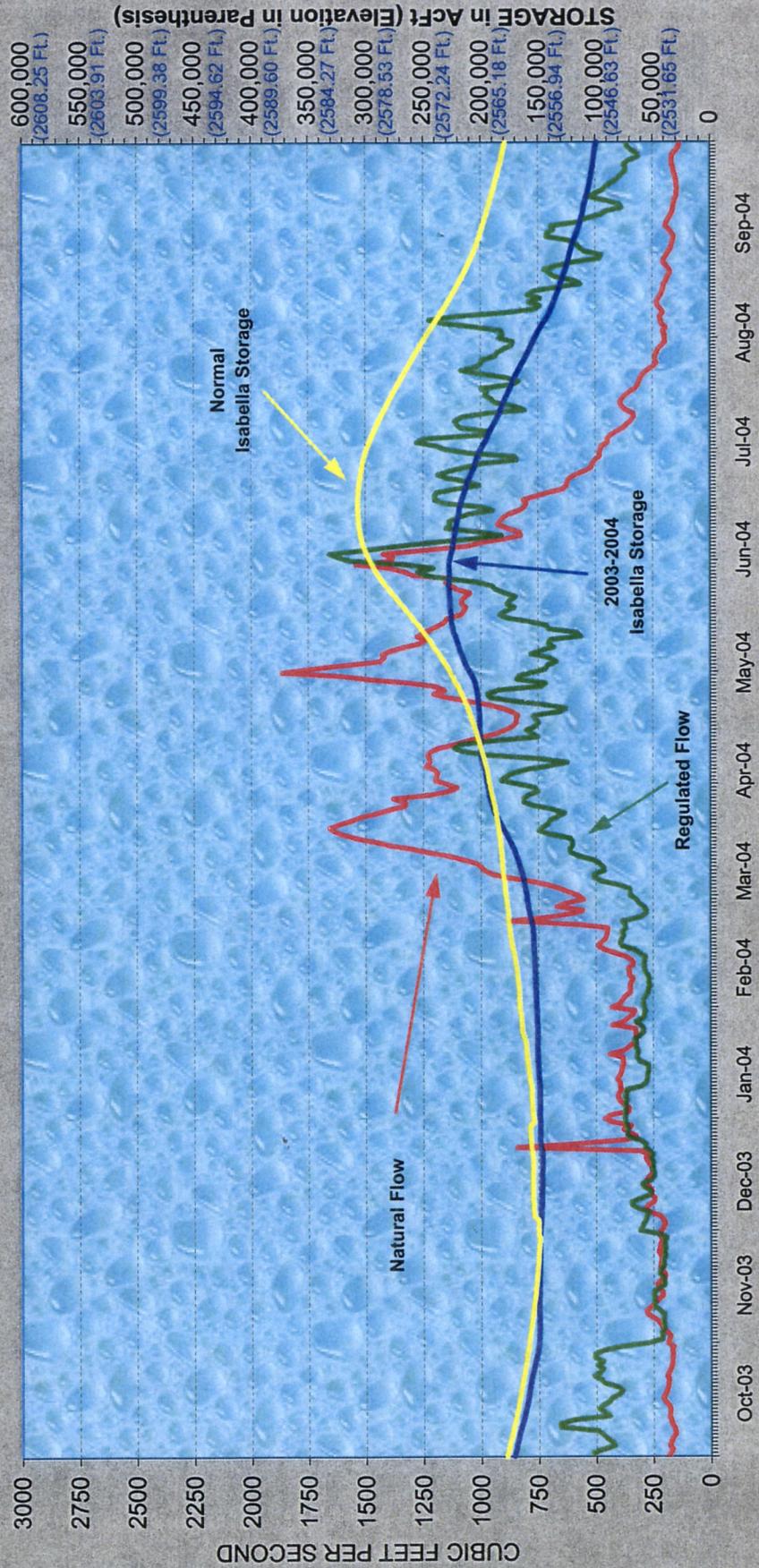
SEPTEMBER 2004

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
September	4-10	2	BVWSD FLOW - FOR KCWA (2800 Acre Well Water Exchange)	Delivered under terms of Paragraph 3 of the June 9, 2004 exchange agreement between BUENA VISTA WATER STORAGE DISTRICT and the Kern County Water Agency (ID4).

KERN RIVER NATURAL FLOW, REGULATED FLOW, & ISABELLA RESERVOIR STORAGE

2003 - 2004 WATER YEAR



REPORT OF THE KERN RIVER WATERMASTER

OCTOBER 2004

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW DAY
		MIDNIGHT STORAGE	LOSS				STORAGE+LOSS	+1ST POINT REGULATED FLOW					IRRIGATION	RIVER	
Previous Day	2546.27	98,495	49,658	37	323	32	355	140	140	49,658	34,440	8	0	0	0
1	2546.17	98,081	49,449	41	292	23	315	147	159	49,461	34,243	9	0	0	0
2	2546.11	97,833	49,324	34	246	29	275	184	163	49,315	34,097	8	0	0	0
3	2546.03	97,503	49,158	45	250	29	279	158	169	49,160	33,942	10	0	0	0
4	2545.93	97,091	48,950	50	295	27	322	164	162	48,950	33,732	12	0	0	0
5	2545.84	96,722	48,764	47	280	23	303	164	168	48,768	33,550	11	0	0	0
6	2545.77	96,435	48,619	43	253	25	278	176	170	48,617	33,399	10	0	0	0
7	2545.70	96,149	48,475	43	246	25	271	170	167	48,470	33,252	10	0	0	0
8	2545.64	95,904	48,352	43	208	28	236	156	165	48,356	33,138	10	0	0	0
9	2545.60	95,741	48,269	50	183	19	202	169	158	48,262	33,044	12	0	0	0
10	2545.56	95,578	48,187	45	159	27	186	149	163	48,194	32,976	11	0	0	0
11	2545.54	95,497	48,146	48	138	24	162	169	164	48,148	32,930	11	0	0	0
12	2545.52	95,416	48,106	49	139	27	166	175	175	48,108	32,890	12	0	0	0
13	2545.50	95,335	48,065	48	148	27	175	182	176	48,061	32,843	11	0	0	0
14	2545.47	95,214	48,004	43	164	25	189	171	171	48,000	32,782	10	0	0	0
15	2545.45	95,132	47,962	40	142	21	163	161	166	47,963	32,745	9	0	0	0
16	2545.43	95,051	47,922	40	138	28	166	166	162	47,919	32,701	9	0	0	0
17	2545.42	95,011	47,901	18	140	22	162	159	167	47,906	32,688	4	0	0	0
18	2545.42	95,011	47,901	13	146	17	163	176	171	47,901	32,683	3	0	0	0
19	2545.46	95,173	47,983	2	185	21	206	290	290	47,983	32,765	0	0	0	0
20	2545.54	95,497	48,146	2	212	16	228	393	393	48,146	32,928	0	0	0	0
21	2545.56	95,578	48,187	13	240	17	257	311	311	48,187	32,969	3	0	0	0
22	2545.54	95,497	48,146	18	258	18	276	253	239	48,132	32,914	4	0	0	0
23	2545.49	95,295	48,045	24	270	16	286	209	233	48,055	32,837	6	0	0	0
24	2545.45	95,132	47,962	24	282	15	297	238	229	47,963	32,745	6	0	0	0
25	2545.41	94,970	47,881	21	283	18	301	241	240	47,881	32,663	5	0	0	0
26	2545.42	95,011	47,901	2	297	14	311	333	333	47,901	32,683	0	0	0	0
27	2545.42	95,011	47,901	2	298	15	313	315	315	47,901	32,683	0	0	0	0
28	2545.40	94,930	47,861	14	278	18	296	270	261	47,852	32,634	3	0	0	0
29	2545.38	94,849	47,820	11	256	16	272	242	248	47,817	32,599	3	0	0	0
30	2545.36	94,768	47,779	16	240	17	257	232	235	47,779	32,561	4	0	0	0
31	2545.35	94,727	47,758	14	237	17	254	247	247	47,758	32,540	3	0	0	0
TOTAL SECOND FOOT DAYS				903	6,903	664	7,567	6,570	6,570	47,758	32,540	209	0	0	0
TOTAL ACRE-FEET				1,791	13,692	1,317	15,009	13,031	13,031	94,727	64,543	415	0	0	0

By:  Date: November 17, 2004

DAY	ENTL AT 1ST		FLOW ABOVE		RESERVOIR STORAGE		ENTL AT 1ST		FLOW		RESERVOIR STORAGE		ENTITLEMENT		FLOW ABOVE		RESERVOIR STORAGE				
	POINT	POINT	1ST	POINT	LOSS	STORAGE	POINT	POINT	VIA	VIA/FOR	HIMWD/	AT 2ND	LOSS	STORAGE	NKWS	BWSD	POINT	POINT	LOSS	STORAGE	DAY
1	140	189	32	23	20,241	0	19	115	0	0	0	14	14,199			0	0	0	0	0	0
2	159	173	23	26	20,178	0	16	103	0	0	0	15	14,065			0	0	0	0	0	1
3	163	126	29	21	20,165	0	10	110	0	0	0	13	13,932			0	0	0	0	0	2
4	169	142	29	28	20,135	0	5	103	0	0	0	17	13,807			0	0	0	0	0	3
5	162	195	27	32	20,043	0	8	92	0	0	0	18	13,689			0	0	0	0	0	4
6	168	180	23	30	19,978	0	7	93	0	0	0	17	13,572			0	0	0	0	0	5
7	170	143	25	27	19,953	0	9	101	0	0	0	16	13,446			0	0	0	0	0	6
8	167	142	25	27	19,926	0	7	97	0	0	0	16	13,326			0	0	0	0	0	7
9	165	113	28	27	19,923	0	0	95	0	0	0	16	13,215			0	0	0	0	0	8
10	158	89	19	32	19,941	0	0	94	0	0	0	18	13,103			0	0	0	0	0	9
11	163	74	27	29	19,974	0	0	85	0	0	0	16	13,002			0	0	0	0	0	10
12	164	113	24	31	19,970	0	0	25	0	0	0	17	12,960			0	0	0	0	0	11
13	175	111	27	31	19,976	0	0	28	0	0	0	18	12,914			0	0	0	0	0	12
14	176	112	27	31	19,982	0	7	19	10	0	0	17	12,861			0	0	0	0	0	13
15	171	126	25	28	19,974	0	6	0	32	0	0	15	12,808			0	0	0	0	0	14
16	166	102	21	26	19,991	0	8	0	32	0	0	14	12,754			0	0	0	0	0	15
17	162	106	28	26	19,993	0	0	0	32	0	0	14	12,708			0	0	0	0	0	16
18	167	114	22	12	20,012	0	0	0	26	0	0	6	12,676			0	0	0	0	0	17
19	171	114	17	8	20,044	0	0	0	32	0	0	5	12,639			0	0	0	0	0	18
20	290	152	21	1	20,160	0	0	0	33	0	0	1	12,605			0	0	0	0	0	19
21	393	179	16	1	20,357	0	0	0	33	0	0	1	12,571			0	0	0	0	0	20
22	311	209	17	8	20,434	0	0	0	31	0	0	5	12,535			0	0	0	0	0	21
23	239	251	18	12	20,392	0	0	0	7	0	0	6	12,522			0	0	0	0	0	22
24	233	262	16	16	20,331	0	2	0	6	0	0	8	12,506			0	0	0	0	0	23
25	229	276	15	16	20,253	0	0	0	6	0	0	8	12,492			0	0	0	0	0	24
26	240	277	18	14	20,184	0	0	0	6	0	0	7	12,479			0	0	0	0	0	25
27	333	290	14	1	20,212	0	0	0	7	0	0	1	12,471			0	0	0	0	0	26
28	315	292	15	1	20,219	0	0	0	6	0	0	1	12,464			0	0	0	0	0	27
29	261	271	18	9	20,182	0	0	0	7	0	0	5	12,452			0	0	0	0	0	28
30	248	250	16	7	20,157	0	0	0	6	0	0	4	12,442			0	0	0	0	0	29
31	235	234	17	10	20,131	0	0	0	6	0	0	6	12,430			0	0	0	0	0	30
S.F.D.	6,570	5,449	664	577	20,121	0	85	1,045	324	0	326	12,419			0	0	0	0	0	0	S.F.D.
AC.F.T.	13,031	10,808	1,317	1,144	39,910	0	169	2,072	643	0	647	24,633			0	0	0	0	0	0	AC.F.T.
TOTAL ACRE-FOOT STORAGE DAYS		1,236,279		TOTAL ACRE-FOOT STORAGE DAYS		793,120		TOTAL ACRE-FOOT STORAGE DAYS		0		TOTAL ACRE-FOOT STORAGE DAYS		0		TOTAL ACRE-FOOT STORAGE DAYS		0		0	

REPORT OF THE KERN RIVER WATERMASTER

**OCTOBER 2004
WATERMASTER NOTES *** KERN RIVER BULLETIN**

<u>MONTH</u>	<u>DAY(S)</u>	<u>PAGE NO.</u>	<u>TITLE OF COLUMN</u>	<u>COMMENT</u>
October	13	2	BVWSD FLOW - HMWD/CWD	Delivered as per terms of Cawelo Water District/Henny Miller Water District October 1, 2004 Exchange Agreement authorized by BUENA VISTA WATER STORAGE DISTRICT letter dated October 19, 2004.

**TABLE OF ABSORPTION QUANTITIES WITHIN HISTORIC KERN RIVER SERVICE AREA
KERN RIVER WATER**

2004 WATER YEAR

Quantities in acre-feet

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
+ Kern River Natural Flow	10,798	12,962	18,301	23,359	25,131	70,461	64,197	78,343	56,378	23,084	12,349	9,322	404,685
- Isabella Reservoir Evaporation	3,316	1,335	1,071	827	575	2,027	3,283	4,852	6,083	6,526	5,062	3,658	38,615
- Into Isabella Storage	0	0	0	2,760	6,639	34,045	11,363	24,423	0	0	0	0	79,230
+ From Isabella Storage	21,882	1,158	494	0	0	0	0	0	20,793	45,243	41,221	21,982	152,773
Kern River via Kern River/ California Aqueduct Inter tie	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Absorption within Kern River Service Area	29,364	12,785	17,724	19,772	17,917	34,389	49,551	49,068	71,088	61,801	48,508	27,646	439,613
Accumulative Absorption within Kern River Service Area	29,364	42,149	59,873	79,645	97,562	131,951	181,502	230,570	301,658	363,459	411,967	439,613	

REPORT OF THE KERN RIVER WATERMASTER

NOVEMBER 2004

Quantities in S.F.D. except where noted

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN RECREATION POOL + DEAD STORAGE = 15,218 S.F.D. (30,184 ACFT)	STORAGE IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW DAY	
		MIDNIGHT STORAGE	RESERVOIR S.F.D.					ACRE-FEET	ACRE-FEET						KERN RIVER	FRIANT-KERN		
Previous Day	2545.35	94,727	47,758	14	237	254	247	247	247	247	47,758	32,540	3	0	0	0	0	
1	2445.34	94,687	47,798	24	236	251	255	263	263	263	47,746	32,528	6	0	0	0	0	
2	2545.35	94,727	47,758	21	223	239	280	265	265	265	47,751	32,533	5	0	0	0	0	
3	2545.35	94,727	47,758	24	220	235	259	260	260	260	47,752	32,534	6	0	0	0	0	
4	2545.34	94,687	47,738	28	216	233	241	253	253	253	47,744	32,526	7	0	0	0	0	
5	2545.33	94,647	47,718	49	216	231	260	250	250	250	47,714	32,496	12	0	0	0	0	
6	2545.32	94,606	47,697	36	217	233	248	245	245	245	47,690	32,472	9	0	0	0	0	
7	2545.31	94,566	47,677	12	219	236	228	238	238	238	47,680	32,462	3	0	0	0	0	
8	2545.31	94,566	47,677	2	223	237	239	240	240	240	47,681	32,463	0	0	0	0	0	
9	2545.31	94,566	47,677	13	224	239	252	248	248	248	47,677	32,459	3	0	0	0	0	
10	2545.31	94,566	47,677	20	219	233	253	254	254	254	47,678	32,460	5	0	0	0	0	
11	2545.31	94,566	47,677	26	216	232	258	256	256	256	47,676	32,458	6	0	0	0	0	
12	2545.31	94,566	47,677	15	224	241	256	254	254	254	47,674	32,456	4	0	0	0	0	
13	2545.30	94,525	47,656	15	240	253	247	258	258	258	47,664	32,446	4	0	0	0	0	
14	2545.30	94,525	47,656	13	244	259	272	257	257	257	47,649	32,431	3	0	0	0	0	
15	2545.29	94,485	47,636	16	239	257	253	257	257	257	47,633	32,415	4	0	0	0	0	
16	2545.28	94,445	47,616	10	243	257	247	251	251	251	47,617	32,399	2	0	0	0	0	
17	2545.27	94,404	47,595	13	247	260	252	246	246	246	47,590	32,372	3	0	0	0	0	
18	2545.25	94,325	47,556	18	242	259	238	239	239	239	47,552	32,334	4	0	0	0	0	
19	2545.23	94,244	47,515	12	242	257	228	235	235	235	47,518	32,300	3	0	0	0	0	
20	2545.21	94,163	47,474	21	244	259	239	228	228	228	47,466	32,248	5	0	0	0	0	
21	2545.19	94,083	47,434	7	235	250	217	223	223	223	47,432	32,214	2	0	0	0	0	
22	2545.18	94,043	47,413	10	208	224	213	218	218	218	47,416	32,198	2	0	0	0	0	
23	2545.18	94,043	47,413	16	192	208	224	221	221	221	47,413	32,195	4	0	0	0	0	
24	2545.18	94,043	47,413	18	195	208	226	228	228	228	47,415	32,197	4	0	0	0	0	
25	2545.18	94,043	47,413	28	191	205	233	228	228	228	47,410	32,192	7	0	0	0	0	
26	2545.18	94,043	47,413	16	194	209	225	232	232	232	47,417	32,199	4	0	0	0	0	
27	2545.19	94,083	47,434	2	198	215	238	257	257	257	47,457	32,239	0	0	0	0	0	
28	2545.23	94,244	47,515	12	201	215	308	252	252	252	47,482	32,264	3	0	0	0	0	
29	2545.22	94,204	47,495	12	203	215	210	243	243	243	47,495	32,277	3	0	0	0	0	
30	2545.21	94,163	47,474	10	210	226	215	215	215	215	47,474	32,256	2	0	0	0	0	
TOTAL SECOND FOOT DAYS				519	6,621	7,079	7,314	7,314	7,314	7,314	47,474	32,256	125	0	0	0	0	149
TOTAL ACRE-FEET				1,029	13,133	14,041	14,507	14,507	14,507	14,507	94,163	63,979	248	0	0	0	0	296

By:  Date: December 14, 2004

REPORT OF THE KERN RIVER WATERMASTER

Quantities in S.F.D. except where noted

NOVEMBER 2004

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	ENT'L AT 1ST		RESERVOIR		ENT'L AT 1ST	FLOW			RESERVOIR		ENTITLEMENT		FLOW		FLOW ABOVE		DAY	
	POINT	POINT	LOSS	STORAGE		POINT	VIA	HMWD	AT 2ND	LOSS	STORAGE	NKWSD	BVWSD	POINT	POINT	1ST		RESERVOIR
Previous Day	247	231	17	9	20,121	0	0	6	0	5	12,419			0	0	0	0	0
1	263	231	15	16	20,122	0	0	5	0	8	12,406			0	0	0	0	1
2	265	215	16	14	20,142	0	1	7	0	7	12,391			0	0	0	0	2
3	260	216	15	16	20,155	0	2	2	0	8	12,379			0	0	0	0	3
4	253	214	17	18	20,159	0	0	2	0	10	12,367			0	0	0	0	4
5	250	216	15	31	20,147	0	0	0	0	18	12,349			0	0	0	0	5
6	245	217	16	23	20,136	0	0	0	0	13	12,336			0	0	0	0	6
7	238	219	17	8	20,130	0	0	0	0	4	12,332			0	0	0	0	7
8	240	223	14	1	20,132	0	0	0	0	1	12,331			0	0	0	0	8
9	248	224	15	8	20,133	0	0	0	0	5	12,326			0	0	0	0	9
10	254	219	14	13	20,141	0	0	0	0	7	12,319			0	0	0	0	10
11	256	216	16	17	20,148	0	0	0	0	9	12,310			0	0	0	0	11
12	254	224	17	10	20,151	0	0	0	0	5	12,305			0	0	0	0	12
13	258	240	13	10	20,146	0	0	0	0	5	12,300			0	0	0	0	13
14	257	244	15	8	20,136	0	0	0	0	5	12,295			0	0	0	0	14
15	257	239	18	10	20,126	0	0	0	0	6	12,289			0	0	0	0	15
16	251	238	14	6	20,119	0	3	2	0	4	12,280			0	0	0	0	16
17	246	242	13	8	20,102	0	0	5	0	5	12,270			0	0	0	0	17
18	239	235	17	12	20,077	0	0	7	0	6	12,257			0	0	0	0	18
19	235	235	15	8	20,054	0	0	7	0	4	12,246			0	0	0	0	19
20	228	244	15	14	20,009	0	0	0	0	7	12,239			0	0	0	0	20
21	223	235	15	5	19,977	0	0	0	0	2	12,237			0	0	0	0	21
22	218	204	16	6	19,969	0	0	4	0	4	12,229			0	0	0	0	22
23	221	166	16	10	19,998	0	0	26	0	6	12,197			0	0	0	0	23
24	228	172	13	12	20,029	0	0	23	0	6	12,168			0	0	0	0	24
25	228	176	14	18	20,049	0	0	15	0	10	12,143			0	0	0	0	25
26	232	194	15	10	20,062	0	0	0	0	6	12,137			0	0	0	0	26
27	257	198	17	1	20,103	0	0	0	0	1	12,136			0	0	0	0	27
28	252	201	14	8	20,132	0	0	0	0	4	12,132			0	0	0	0	28
29	243	203	15	8	20,149	0	0	0	0	4	12,128			0	0	0	0	29
30	215	209	16	6	20,133	0	1	1	0	4	12,123			0	0	0	0	30
S.F.D.	7,314	6,509	458	335	20,133	0	7	105	0	184	12,123			0	0	0	0	S.F.D.
AC.FT.	14,507	12,912	908	664	39,933	0	14	207	0	365	24,046			0	0	0	0	AC.FT.

TOTAL ACRE-FOOT STORAGE DAYS	1,196,163	TOTAL ACRE-FOOT STORAGE DAYS	729,832	TOTAL ACRE-FOOT STORAGE DAYS	0
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REPORT OF THE KERN RIVER WATERMASTER

NOVEMBER 2004

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH DAY(S) PAGE NO. TITLE OF COLUMN COMMENT
 November 27-30 1 FRIANT KERN INFLOW

Denotes operational spill to Kern River Channel as reported by Friant Water Authority.

**BEARDSLEY CANAL FROM RIVER
 ANNUAL DISCHARGE (1969-2003)**

Year	Flow			Year	Flow		
	Acre-Feet	Mean SFD	Max. CFS		Acre-Feet	Mean SFD	Max. CFS
2003	176,098	243	633	1985	248,330	343	798
2002	88,530	122	486	1984	309,250	426	823
2001	126,320	174	507	1983	277,459	383	807
2000	182,189	251	610	1982	285,350	394	818
1999	154,569	214	537	1981	185,777	257	552
1998	323,274	447	772	1980	336,624	464	849
1997	291,379	402	665	1979	217,099	300	676
1996	307,588	424	739	1978	270,108	373	709
1995	307,715	425	826	1977	58,958	81	299
1994	168,748	233	586	1976	111,073	153	340
1993	233,461	322	708	1975	193,825	268	545
1992	75,097	103	302	1974	220,542	305	602
1991	78,246	108	342	1973	186,955	258	548
1990	70,728	98	391	1972	94,510	130	390
1989	103,939	144	359	1971	113,252	156	410
1988	99,487	137	428	1970	202,088	279	566
1987	166,167	230	617	1969	257,131	355	558
1986	305,828	422	850				

REPORT OF THE KERN RIVER WATERMASTER

DECEMBER 2004

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		LOSS	FLOW AT 1ST POINT	FLOW ABOVE 1ST POINT	FIRST POINT REGULATED FLOW	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL RECREATION Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	STORAGE IRRIGATION	KERN COUNTY RECREATION POOL LOSS	TOTAL FLOW AT SECOND POINT	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW DAY
		MIDNIGHT STORAGE ACRE-FEET	S.F.D.					REGULATED FLOW	+1ST POINT REGULATED FLOW						RIVER KERN	FRIANT-KERN	
Previous Day	2545.21	94,163	47,474	10	210	16	226	215	215	215	47,474	32,256	2	0	0	14	
1	2545.20	94,123	47,454	10	215	14	229	219	219	220	47,455	32,237	2	0	0	52	
2	2545.19	94,083	47,434	13	214	15	229	222	212	212	47,425	32,207	3	0	0	45	
3	2545.17	94,002	47,393	8	213	16	229	196	213	213	47,401	32,183	2	0	0	35	
4	2545.16	93,962	47,373	8	217	15	232	220	216	216	47,377	32,159	2	0	0	10	
5	2545.15	93,922	47,352	11	225	16	241	231	233	233	47,358	32,140	3	0	0	0	
6	2545.14	93,882	47,332	14	241	13	254	248	254	254	47,344	32,126	3	0	0	0	
7	2545.14	93,882	47,332	2	264	16	280	282	277	277	47,339	32,121	0	0	0	0	
8	2545.14	93,882	47,332	3	283	17	300	303	284	284	47,320	32,102	1	0	0	0	
9	2545.12	93,801	47,291	8	285	15	300	267	289	289	47,301	32,083	2	0	0	0	
10	2545.12	93,801	47,291	11	272	15	287	298	284	284	47,287	32,069	3	0	0	0	
11	2545.11	93,761	47,271	11	280	15	295	286	289	289	47,270	32,052	3	0	0	0	
12	2545.09	93,681	47,231	8	300	14	314	282	287	287	47,235	32,017	2	0	0	0	
13	2545.07	93,601	47,191	11	306	16	322	293	280	280	47,182	31,964	3	0	0	0	
14	2545.04	93,480	47,130	8	306	13	319	266	282	282	47,137	31,919	2	0	0	0	
15	2545.02	93,400	47,089	8	305	15	320	287	277	277	47,086	31,868	2	0	0	0	
16	2544.99	93,281	47,029	25	299	15	314	279	277	277	47,024	31,806	6	0	0	0	
17	2544.97	93,201	46,989	19	288	17	285	264	265	265	46,985	31,767	5	0	0	0	
18	2544.95	93,121	46,949	16	259	16	275	251	257	257	46,951	31,733	4	0	0	0	
19	2544.94	93,081	46,928	14	252	12	264	257	252	252	46,925	31,707	3	0	0	0	
20	2544.92	93,002	46,889	26	245	15	260	247	250	250	46,889	31,671	6	0	0	0	
21	2544.91	92,962	46,868	16	238	15	253	248	245	245	46,865	31,647	4	0	0	0	
22	2544.90	92,922	46,848	11	235	14	249	240	241	241	46,846	31,628	3	0	0	0	
23	2544.89	92,882	46,828	13	224	18	242	235	230	230	46,821	31,603	3	0	0	0	
24	2544.87	92,802	46,788	11	228	16	244	215	227	227	46,793	31,575	3	0	0	0	
25	2544.86	92,762	46,768	13	223	14	237	230	231	231	46,774	31,556	3	0	0	0	
26	2544.86	92,762	46,768	11	222	14	236	247	265	265	46,792	31,574	3	0	0	0	
27	2544.90	92,922	46,848	2	222	15	237	319	338	338	46,891	31,673	0	0	0	0	
28	2545.00	93,321	47,049	2	231	15	246	449	401	401	47,044	31,826	0	0	0	0	
29	2545.09	93,681	47,231	2	238	14	252	436	406	406	47,196	31,978	0	0	0	0	
30	2545.11	93,761	47,271	2	275	15	290	332	367	367	47,271	32,053	0	0	0	0	
31	2545.19	94,083	47,434	2	313	16	329	494	494	494	47,434	32,216	0	0	0	0	
TOTAL SECOND FOOT DAYS				319	7,898	466	8,364	8,643	8,643	8,643	47,434	32,216	76	0	0	142	
TOTAL ACRE-FEET				633	15,665	924	16,589	17,143	17,143	17,143	94,083	63,899	151	0	0	281	

By: *[Signature]*

Date: January 21, 2005

REPORT OF THE KERN RIVER WATERMASTER

DECEMBER 2004

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT BUENA VISTA WATER STORAGE DISTRICT HACIENDA WATER DISTRICT

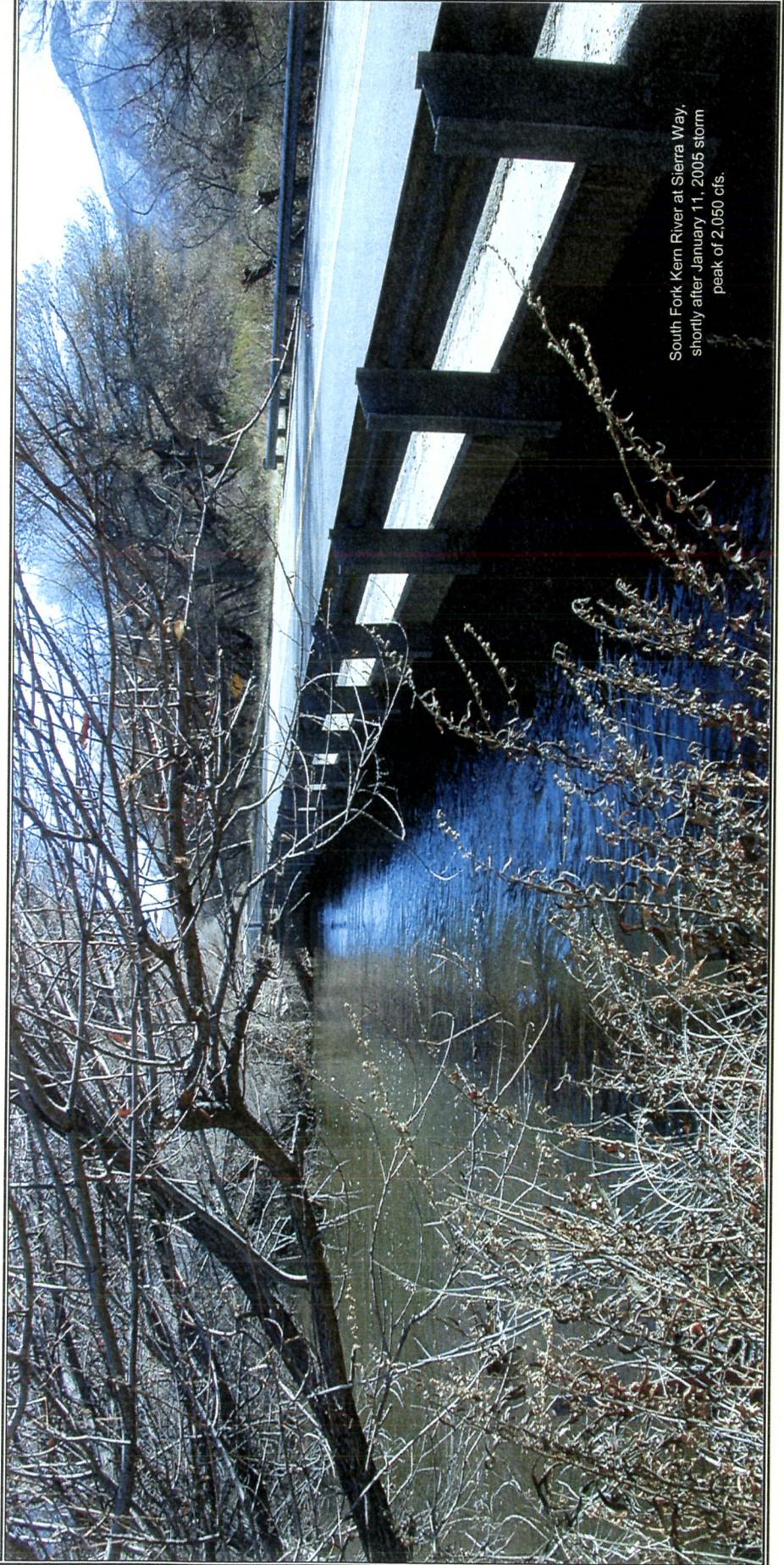
DAY	ENT'L AT 1ST		RESERVOIR		ENT'L AT 1ST		RESERVOIR		ENT'L AT 1ST		RESERVOIR		ENTITLEMENT		FLOW ABOVE		DAY
	POINT	POINT	LOSS	STORAGE	POINT	POINT	LOSS	STORAGE	POINT	POINT	POINT	POINT	NKWS	BVWS	1ST	POINT	
Previous Day	215	209	16	6	20,133	0	0	0	0	0	0	4	12,123	0	0	0	0
1	220	214	14	6	20,119	0	0	0	0	0	4	12,118	0	0	0	0	1
2	212	214	15	8	20,094	0	0	0	0	0	5	12,113	0	0	0	0	2
3	213	213	16	5	20,073	0	0	0	0	0	3	12,110	0	0	0	0	3
4	216	217	15	5	20,052	0	0	0	0	0	3	12,107	0	0	0	0	4
5	233	225	16	7	20,037	0	0	0	0	0	4	12,103	0	0	0	0	5
6	254	241	13	9	20,028	0	0	0	0	0	5	12,098	0	0	0	0	6
7	277	264	16	1	20,024	0	0	0	0	0	1	12,097	0	0	0	0	7
8	284	283	17	2	20,006	0	0	0	0	0	1	12,096	0	0	0	0	8
9	289	282	15	5	19,993	0	0	0	0	0	3	12,090	0	0	0	0	9
10	284	266	15	7	19,989	0	0	0	0	0	4	12,080	0	0	0	0	10
11	289	274	15	7	19,982	0	0	0	0	0	4	12,070	0	0	0	0	11
12	287	295	14	5	19,955	0	0	0	0	0	3	12,062	0	0	0	0	12
13	280	300	16	7	19,912	0	0	0	0	0	4	12,052	0	0	0	0	13
14	282	303	13	5	19,873	0	0	0	0	0	3	12,046	0	0	0	0	14
15	277	304	15	5	19,826	0	0	0	0	0	3	12,042	0	0	0	0	15
16	277	299	15	16	19,773	0	0	0	0	0	9	12,033	0	0	0	0	16
17	265	268	17	12	19,741	0	0	0	0	0	7	12,026	0	0	0	0	17
18	257	259	16	10	19,713	0	0	0	0	0	6	12,020	0	0	0	0	18
19	252	252	12	9	19,692	0	0	0	0	0	5	12,015	0	0	0	0	19
20	250	245	15	17	19,665	0	0	0	0	0	9	12,006	0	0	0	0	20
21	245	238	15	10	19,647	0	0	0	0	0	6	12,000	0	0	0	0	21
22	241	235	14	7	19,632	0	0	0	0	0	4	11,996	0	0	0	0	22
23	230	224	18	8	19,612	0	0	0	0	0	5	11,991	0	0	0	0	23
24	227	228	16	7	19,588	0	0	0	0	0	4	11,987	0	0	0	0	24
25	231	223	14	8	19,574	0	0	0	0	0	5	11,982	0	0	0	0	25
26	265	222	14	7	19,596	0	0	0	0	0	4	11,978	0	0	0	0	26
27	338	214	15	1	19,704	0	0	0	0	0	1	11,969	0	0	0	0	27
28	401	222	15	1	19,867	0	0	0	0	0	1	11,959	0	0	0	0	28
29	406	233	14	1	20,025	0	0	0	0	0	1	11,953	0	0	0	0	29
30	367	271	15	1	20,105	0	0	0	0	0	1	11,948	0	0	0	0	30
31	494	313	16	1	20,274	0	0	0	0	0	1	11,942	0	0	0	0	31
S.F.D.	8,643	7,841	466	200	20,274	0	0	0	0	0	119	11,942	0	0	0	0	S.F.D.
AC.F.T.	17,143	15,552	924	397	40,212	0	0	0	0	0	236	23,687	0	0	0	0	AC.F.T.

TOTAL ACRE-FOOT STORAGE DAYS 1,222,157 TOTAL ACRE-FOOT STORAGE DAYS 740,011 TOTAL ACRE-FOOT STORAGE DAYS 0

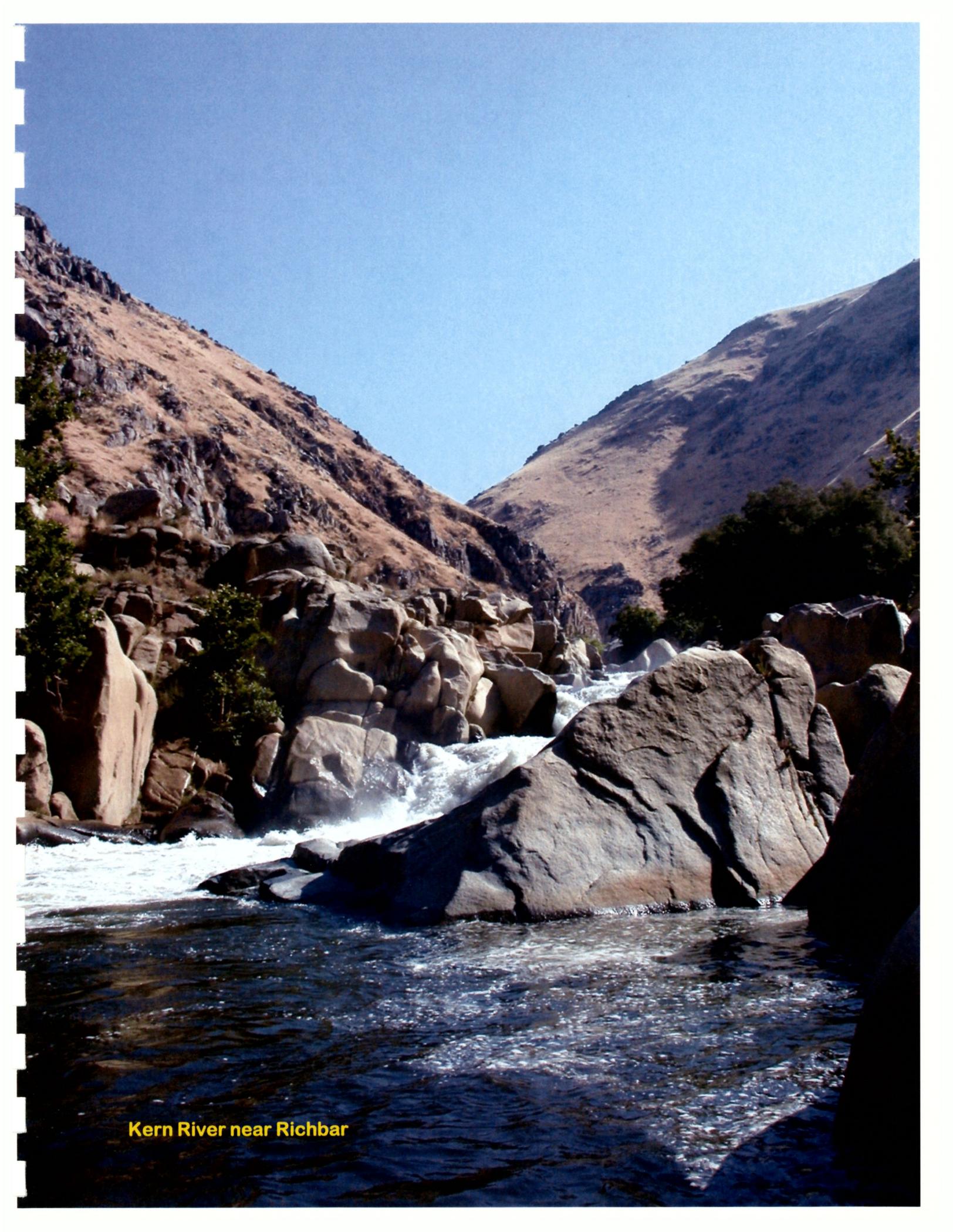
REPORT OF THE KERN RIVER WATERMASTER

**DECEMBER 2004
WATERMASTER NOTES *** KERN RIVER BULLETIN**

<u>MONTH</u>	<u>DAY(S)</u>	<u>PAGE NO.</u>	<u>TITLE OF COLUMN</u>	<u>COMMENT</u>
December	1-4	1	FRIANT KERN INFLOW	Denotes operational spill to Kern River Channel as reported by Friant Water Authority.
December	31	2	BVWSD RESERVOIR STORAGE NKWSD RESERVOIR STORAGE	Reflects transfer of 10 acre-feet (5 s.f.d.) from BUENA VISTA WATER STORAGE DISTRICT to NORTH KERN WATER STORAGE DISTRICT on behalf of HACIENDA WATER DISTRICT as compensation for additional evaporation of Kern River water due to Rio Bravo Power Plant operations during calendar year 2004 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)



South Fork Kern River at Sierra Way,
shortly after January 11, 2005 storm
peak of 2,050 cfs.



Kern River near Richbar

CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: January 2004 Recap

23359
 18446
 4913
 676
 4237
 N/A

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

COMPUTED NATURAL FLOW AT FIRST POINT.....
 LESS NON-CONTRIBUTING CANALS.....
 FOR OTHERS AND FIRST POINT CANALS.....
 TO BE CONTRIBUTED BY OTHER CANALS.....
 TO BE USED BY OTHER CANALS.....
 EACH OTHER CANAL TO RECEIVE.....

QUANTITIES IN: ACRE-FEET

% OF IT'S DIVERSION RIGHT

RIVER STAGE	DIVERSION RIGHT	GROSS DIV'R	GROSS ENT'L	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES			EXCHANGES, SALES OR PURCHASES			NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR			
				To River	Distribution	NKWS	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWS	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS
300.0	K.C.L. Co. ENT'L @ 2ND PT. KERN ISLAND (1-ST)	4808	18446	13355				5091								18	2500	18	0	2500
	EASTSIDE	60																		
320.0	KERN RIVER CONDUIT																			
	CASTRO	268			40															
	KCC&W Co.	736			186															
330.5	SOUTH FORK	494		494																
410.5	BUENA VISTA (1-ST)	2499		2491	2															
530.5	JAMES (1-ST)	240			7010			7250												
550.5	ANDERSON (1-ST)				1075			1075												
700.5	STINE	22			22															
730.5	MEACHAM	1503			1503															
890.5	FARMERS	143			64															
920.5	PLUNKET				1740															
960.5	JOYCE	1297			1297															
1000.5	JOHNSON	1204			1204															
1130.5	PIONEER (1-ST)	2183			2183															
1190.5	BEARDSLEY (1-ST)	46																		
1200.5	LERDO (NKWSD)	7265			14															
1240.5	ANDERSON (2-ND)																			
1240.5	JAMES & DIXON																			
1250.5	WILSON																			
1276.5	McCAFFREY																			
1376.5	McCORD																			
	LERDO 30%																			
	BEARDSLEY 70%																			
	CENTRAL 20%																			
	CALLOWAY																			
	NKWS 80%																			
2226.5	RAILROAD																			
	KCC&W Co. 20%																			
2426.5	NKWS 80%																			
2516.5	BUENA VISTA (2-ND)																			
2696.5	JAMES (2-ND)																			
2866.5	PIONEER (2-ND)																			
3106.5	BEARDSLEY (3-RD)																			
3162.5	KERN ISLAND (2-ND)																			
	ROSDALE RBWSD	1503																		
	TRUXTUN LAKES																			
	RIO VISTA LAKE	127																		
	COUNTY OF KERN																			
	KERN VALLEY GOLF COURSE																			
	CALIFORNIA WATER SERVICE CO.																			
	OLCESE WD																			
	BWWS VIA KDWD																			
	BWWS FOR LA HACIENDA, INC.																			
	NKWS FOR ID4																			
TOTALS		1074	13974	22683	16340	0	16266	1230	5187	0	5492	3564	7057	2826	4897	46	4050	0	0	0
	LOSS			676																
FLOW AT FIRST POINT		1074	18698	23359																

TOTAL CHANGE IN STORAGE = 3209
 NOTES:
 Kern Island Exch. Less: from BWWS= 76
 Eastside Exch. Less: from BWWS= 60
 KCC&W Exch. Plus: NKWS to City (B/P)= 3342
 RBWSD: City to RBWSD= 1503
 River Loss: City to RBWSD (ID4)= 1779
 Rio Vista Lake: City to RBWSD (ID4)= 60
 Lerdo (NKWS): City to CWD (Misc.)= 208
 Rio Vista Lake: NKWS for ID4= 67
 River Loss: NKWS for ID4= 1928

CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: May 2004 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....
 LESS NON-CONTRIBUTING CANALS.....
 FOR OTHERS AND FIRST POINT CANALS.....
 TO BE CONTRIBUTED BY OTHER CANALS.....
 TO BE USED BY OTHER CANALS.....
 EACH OTHER CANAL TO RECEIVE.....

78343
 18446
 59897
 39514
 20383
 N/A

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)..... 916
 B.V.W.S.D. ENTITLEMENT..... 19053
 SEWAGE LOSS..... 676
 KERN RIVER CONDUIT ENTITLEMENT..... 18869
 HACIENDA W.D. ENTITLEMENT AT FIRST POINT..... 0
 TOTAL..... 39514

% OF ITS DIVERSION RIGHT

RIVER STAGE	DIVERSION RIGHT		GROSS DIV'R	GROSS ENT'L	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR								
	AMT.	NAME OF CANAL			To River	Distribution	Direct	Pro	NKWS	KCC&W Co.	KOWD	OTHER	PLUS	LESS	NKWS	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT
300.0	300	K.C.L. Co. ENT'L @ 2ND PT. (1-ST)	16468	18446			916		18446										2806	11420	334	1661	12231	
		KERN ISLAND (1-ST)	1987																					
		EASTSIDE																						
		KERN RIVER CONDUIT																						
320.0	20	CASTRO				18																		
		KCC&W Co.				65		490																
330.5	10.5	SOUTH FORK	14	214		30																		
410.5	80	BUENA VISTA (1-ST)	161	1622		94		1716																
530.5	120	JAMES (1-ST)	2434																					
550.5	20	ANDERSON (1-ST)	407																					
700.5	150	STINE	131	3059				3059																
730.5	30	MEACHAM	603																					
880.5	150	FARMERS	537	3059		207		2852																
920.5	40	PLUNKET	811																					
960.5	40	JOYCE	811																					
1000.5	40	JOHNSON	811																					
1130.5	130	PIONEER (1-ST)	2386																					
1190.5	80	BEARDSLEY (1-ST)	1172	807				807																
1200.5	10	LERDO (NKWSD)	21570																					
1240.5	40	ANDERSON (2-ND)	117					117																
1240.5	40	JAMES & DIXON	446					446																
1250.5	10	WILSON	56																					
1250.5	10	KCC&W Co.	48					104																
1276.5	26	McCAFFREY	242					242																
1376.5	100	McCORD	224					224																
		LERDO 30%	526																					
		BEARDSLEY 70%	2776	260				260																
		CENTRAL 20%	1033																					
		CALLOWAY	2776	260																				
2226.5	850	RAILROAD	1033					1033																
2426.5	200	KCC&W Co. 20%																						
2426.5	200	NKWS 80%																						
2516.5	90	BUENA VISTA (2-ND)																						
2696.5	180	JAMES (2-ND)																						
2866.5	170	PIONEER (2-ND)																						
3106.5	240	PIONEER (3-ND)																						
3106.5	240	BEARDSLEY (3-RD)																						
3162.5	56	KERN ISLAND (2-ND)																						
		ROSEDALE RBWSD																						
		TRUXTON LAKES																						
		RIO VISTA LAKE																						
		COUNTY OF KERN																						
		KERN VALLEY GOLF COURSE																						
		CALIFORNIA WATER SERVICE CO.																						
		OLCESE WD																						
		BYWSD VIA KOWD																						
		BYWSD VIA CWD																						
		BYWSD FOR La HACIENDA, INC.																						
					</																			

CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: July 2004 Recap

COMPUTED NATURAL FLOW AT FIRST POINT.....
 LESS NON-CONTRIBUTING CANALS.....
 FOR OTHERS AND FIRST POINT CANALS.....
 TO BE CONTRIBUTED BY OTHER CANALS.....
 TO BE USED BY OTHER CANALS.....
 EACH OTHER CANAL TO RECEIVE.....

23084
 17841
 5243
 5243
 0
 N/A

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)..... 75
 B.V.W.S.D. ENTITLEMENT..... 1619
 SEEPAGE LOSS..... 676
 KERN RIVER CONDUIT ENTITLEMENT..... 2873
 HACIENDA W.D. ENTITLEMENT AT FIRST POINT..... 0
 TOTAL..... 5243

RIVER STAGE	DIVERSION RIGHT		GROSS DIV/R	GROSS ENT/L	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR		CURRENT BALANCE					
	AMT.	NAME OF CANAL			To River	Distribution	Direct	Pro	NKWS	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWS	KCC&W Co.	KDWD		OTHER	DIR	PRO	IN	PREVIOUS BALANCE
300.0	300	K.C.L. Co. ENT/L @ 2ND PT. KERN ISLAND (1-ST)	16707	17841		75		17841										1614	5255	217	1198	5454	
320.0	20	CASTRO KCC&W Co.	2241	2873			2873											0	0	0	0	0	
330.5	10.5	SOUTH FORK	32															0	45225	1475	14707	29043	
410.5	80	BUENA VISTA (1-ST)	3388															0	1332		32	1300	
530.5	120	JAMES (1-ST)																0	2271	39	2097	135	
550.5	20	ANDERSON (1-ST)																0	4031	68	3800	163	
700.5	150	STINE	4788															0	3683	85	2735	863	
730.5	30	MEACHAM	2735															0	40863	1861	14092	34458	
880.5	160	FARMERS																0	102660	3745	38661	71416	
920.5	40	PLUNKET																0					
960.5	40	JOYCE																0					
1000.5	40	JOHNSON																0					
1130.5	130	PIONEER (1-ST)																0					
1190.5	60	BEARDSLEY (1-ST)	1150															0					
		LERDO (NKWS)	15694															0					
1200.5	10	ANDERSON (2-ND)																0					
1240.5	40	JAMES & DIXON																0					
1250.5	10	WILSON																0					
1276.5	28	McCAFFREY KCC&W Co.																0					
1376.5	100	McCORD LERDO 30% BEARDSLEY 70%																0					
2226.5	850	CALLOWAY CENTRAL 20% NKWS 80%	3426															0					
2426.5	200	RAILROAD KCC&W Co. 20% NKWS 80%																0					
2516.5	90	BUENA VISTA (2-ND)																0					
2686.5	180	JAMES (2-ND)																0					
2866.5	170	PIONEER (2-ND)																0					
3106.5	240	BEARDSLEY (3-RD)																0					
3162.5	56	KERN ISLAND (2-ND)																0					
		ROSEDALE RBWSD																0					
		TRUXTUN LAKES																0					
		RIO VISTA LAKE																0					
		COUNTY OF KERN																0					
		KERN VALLEY GOLF COURSE																0					
		CALIFORNIA WATER SERVICE CO.																0					
		OLCESE WD																0					
		BYWSD VIA KDWD																0					
		BYWSD VIA CWD																0					
		NKWS FOR ID4																0					
TOTALS			50161	20789	0	0	75	2873	17841	0	18765	18561	11886	5799	26057	32	1781	0	11162	102660	3745	38661	71416
FLOW AT FIRST POINT		LOSS	2663	676																			
			52824	21465																			

TOTAL CHANGE IN STORAGE = -31244

NOTES:

Kern Island Exch. Less: from BWSD= 1200
 Eastside Exch. Less: from BWSD= 323
 Buena Vista Exch. Less: from BWSD= 1291
 Stine Exch. Less: from BWSD= 988

Lerdo Exch. Plus: City to NKWS (Basic)= 10000
 Lerdo (NKWS): City to CWD (Basic)= 1578
 Lerdo Exch. Less: BVWSD via CWD= 2230

Cally. Exch. Less: NKWS for ID4= 2529
 River Loss: NKWS for ID4=

Cally. (Central): City to K-TWD (ID4)= 780
 Cally. (Central): City to RGWD (ID4)= 117
 River Loss: City to K-TWD (ID4)= 64
 River Loss: City to RGWD (ID4)= 10

CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: September 2004 Recap

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

QUANTITIES IN: ACRE-FEET
 % OF IT'S DIVERSION RIGHT

9322
 8667
 655
 655
 0
 N/A

COMPUTED NATURAL FLOW AT FIRST POINT.....
 LESS NON-CONTRIBUTING CANALS.....
 FOR OTHERS AND FIRST POINT CANALS.....
 TO BE CONTRIBUTED BY OTHER CANALS.....
 TO BE USED BY OTHER CANALS.....
 EACH OTHER CANAL TO RECEIVE.....

RIVER STAGE	DIVERSION RIGHT		GROSS DIV'R	GROSS ENT'L	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES			EXCHANGES, SALES OR PURCHASES			NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR					
	AMT.	NAME OF CANAL			To River	Distribution	Direct	Pro	NKWSD	KCC&W Co.	KOWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS
300.0	300	K.C.L. Co. ENT'L @ 2ND PT. EASTSIDE	8979	8667				8667											682	986	60	300	1308
320.0	20	KERN RIVER CONDUIT	785																0	0	0	0	0
330.5	10.5	SOUTH FORK	32																0	0	0	0	0
410.5	80	BUENA VISTA (1-ST)																	0	18567	898	2609	15060
530.5	120	JAMES (1-ST)																	0	1280		32	1248
550.5	20	ANDERSON (1-ST)																	0	129	6	0	123
700.5	150	STINE																	0	0	0	0	0
730.5	30	MEACHAM FARMERS	246																0	0	0	0	0
820.5	40	PLUNKET																	0	258	6	246	6
960.5	40	JOYCE																	0	0	0	0	0
1000.5	40	JOHNSON																	0	0	0	0	0
1130.5	130	PIONEER (1-ST)																	0	0	0	0	0
1190.5	80	BEARDSLEY (1-ST)	769																0	0	0	0	0
1200.5	10	LERDO (NKWSD)	8073																0	0	0	0	0
1240.5	40	ANDERSON (2-ND)																	0	0	0	0	0
1240.5	40	JAMES & DIXON																	0	29456	1284	5769	22403
1250.5	10	WILSON																	0	0	0	0	0
1276.5	26	McCAFFREY																	0	0	0	0	0
1376.5	100	McCORD																	0	0	0	0	0
1376.5	100	LEWIS																	0	0	0	0	0
2226.5	850	CALLOWAY	2947																0	0	0	0	0
2426.5	200	RAILROAD																	0	0	0	0	0
2516.5	90	BUENA VISTA (2-ND)																	0	0	0	0	0
2696.5	180	JAMES (2-ND)																	0	0	0	0	0
2866.5	170	PIONEER (2-ND)																	0	0	0	0	0
3106.5	240	BEARDSLEY (3-RD)																	0	0	0	0	0
3162.5	56	KERN ISLAND (2-ND)																	0	0	0	0	0
		ROSDALE RBWSD																	0	0	0	0	0
		TRUXTUN LAKES																	0	0	0	0	0
		COUNTY OF KERN	206																0	0	0	0	0
		KERN VALLEY GOLF COURSE																	0	0	0	0	0
		CALIFORNIA WATER SERVICE CO.																	0	0	0	0	0
		OLCESE WD																	0	0	0	0	0
		BYWSD VIA KOWD																	0	0	0	0	0
		BYWSD VIA/FOR CWD																	0	0	0	0	0
		BYWSD FOR KCWA (ID4)																	0	0	0	0	0
		BYWSD FOR KCWA (ID4)																	0	0	0	0	0
		NKWSD FOR ID4																	0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
																			0	0	0	0	0
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																			0	0	0	0	0

CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

Date: November 2004 Recap

COMPUTED NATURAL FLOW AT FIRST POINT 14507
 LESS NON-CONTRIBUTING CANALS..... 13852
 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

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

% OF IT'S DIVERSION RIGHT

RIVER STAGE	DIVERSION RIGHT		GROSS DIV'R	GROSS ENT'L	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR							
	AMT.	NAME OF CANAL			To River	Distribution	KCC&W Co.	KDWD	OTHER	PLUS	LESS	NKWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT	CURRENT BALANCE	
300.0	300	K.C.L. Co. ENT'L @ 2ND PT. KERN ISLAND (1-ST)	1956	13852	11842		2010		14			1942		26		42	2500	42	0	2500			
320.0	20	EASTSIDE KERN RIVER CONDUIT																					
330.5	10.5	KASTRO KCC&W Co.																					
410.5	80	SOUTH FORK BUENA VISTA (1-ST)	232			1190		1150															
530.5	120	JAMES (1-ST)					819	1150															
550.5	20	ANDERSON (1-ST)																					
700.5	150	STINE MEACHAM																					
730.5	30	FARMERS																					
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)	107																				
1200.5	10	LERDO (NKWSD)	9655																				
1240.5	40	ANDERSON (2-ND)																					
1240.5	40	JAMES & DIXON																					
1250.5	10	WILSON																					
1276.5	26	MCCAFFREY																					
1376.5	100	LEERDO 30% BEARDSLEY 70% CENTRAL 20%																					
2226.5	850	CALLOWAY NKWSD 80%																					
2426.5	200	RAILROAD KCC&W Co. 20% NKWSD 80%																					
2516.5	90	BUENA VISTA (2-ND)																					
2696.5	180	JAMES (2-ND)																					
2886.5	170	PIONEER (2-ND)																					
3106.5	240	BEARDSLEY (3-RD)																					
3162.5	56	KERN ISLAND (2-ND)																					
		ROSDALE RBWSD																					
		TRUXTUN LAKES																					
		COUNTY OF KERN																					
		KERN VALLEY GOLF COURSE																					
		CALIFORNIA WATER SERVICE CO.																					
		OLCESE WD																					
		BIWSD VIA KDWD																					
		BYWSD VIA CWD (HMWD)																					
		NKWSD FOR CWD																					
TOTALS			908	11950	13852	11842	11842	0	9709	1190	2829	124	1473	1473	102	9234	1473	1473	1127	2174	0	528	0
FLOW AT FIRST POINT			908	1183	655																	528	1150

TOTAL CHANGE IN STORAGE = 23

NOTES:

Kern Island Exch. Less: from BVWSD= 14

Lerdo (NKWSD): City to NKWSD (Misc.)= 112

Lerdo Exch. Less: BVWSD via CWD (HMWD)= 207
 Lerdo Exch. Less: NKWSD for CWD= 102

South Fork transfer to City: In excess of carryover storage requirements= 1150

Lost



LOST PURE BRED
CHIHUAHUA



ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

Units in acre-feet

FEBRUARY

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	333	333	333	332	332	334	334	337	380	377	388	375	368	365	363	357	353	351	350	346	344			
1955	10185	10180	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	10152	
1956	120818	121966	122508	123008	123688	124770	125307	125845	126383	126921	127459	127997	128535	129073	129611	130149	130687	131225	131763	132301	132839	133377	133915	134453	134991	135529	136067	136605	137143	137681	
1957	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	
1958	103771	104032	104293	104554	104815	105076	105337	105598	105859	106120	106381	106642	106903	107164	107425	107686	107947	108208	108469	108730	108991	109252	109513	109774	110035	110296	110557	110818	111079	111340	
1959	198678	198352	198026	197700	197374	197048	196722	196396	196070	195744	195418	195092	194766	194440	194114	193788	193462	193136	192810	192484	192158	191832	191506	191180	190854	190528	190202	189876	189550	189224	
1960	72849	75437	78031	80625	83219	85813	88407	91001	93595	96189	98783	101377	103971	106565	109159	111753	114347	116941	119535	122129	124723	127317	129911	132505	135099	137693	140287	142881	145475	148069	
1961	28903	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	28988	
1962	17650	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	
1963	127803	129818	131833	133848	135863	137878	139893	141908	143923	145938	147953	149968	151983	153998	156013	158028	160043	162058	164073	166088	168103	170118	172133	174148	176163	178178	180193	182208	184223	186238	
1964	168552	168434	168256	168078	167900	167722	167544	167366	167188	167010	166832	166654	166476	166298	166120	165942	165764	165586	165408	165230	165052	164874	164696	164518	164340	164162	163984	163806	163628	163450	
1965	129377	129807	130237	130667	131097	131527	131957	132387	132817	133247	133677	134107	134537	134967	135397	135827	136257	136687	137117	137547	137977	138407	138837	139267	139697	140127	140557	140987	141417	141847	
1966	168680	169680	170680	171680	172680	173680	174680	175680	176680	177680	178680	179680	180680	181680	182680	183680	184680	185680	186680	187680	188680	189680	190680	191680	192680	193680	194680	195680	196680	197680	198680
1967	231665	233301	234937	236573	238209	239845	241481	243117	244753	246389	248025	249661	251297	252933	254569	256205	257841	259477	261113	262749	264385	266021	267657	269293	270929	272565	274201	275837	277473	279109	
1968	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068
1969	253213	254409	255605	256801	257997	259193	260389	261585	262781	263977	265173	266369	267565	268761	269957	271153	272349	273545	274741	275937	277133	278329	279525	280721	281917	283113	284309	285505	286701	287897	
1970	248128	248349	248570	248791	249012	249233	249454	249675	249896	250117	250338	250559	250780	251001	251222	251443	251664	251885	252106	252327	252548	252769	252990	253211	253432	253653	253874	254095	254316	254537	
1971	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	
1972	121805	121557	121460	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	121412	
1973	67495	67431	67367	67303	67239	67175	67111	67047	66983	66919	66855	66791	66727	66663	66599	66535	66471	66407	66343	66279	66215	66151	66087	66023	65959	65895	65831	65767	65703	65639	
1974	220946	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	220116	
1975	222886	222400	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	221637	
1976	170131	169893	169655	169417	169179	168941	168703	168465	168227	167989	167751	167513	167275	167037	166799	166561	166323	166085	165847	165609	165371	165133	164895	164657	164419	164181	163943	163705	163467	163229	
1977	66630	66598	66566	66534	66502	66470	66438	66406	66374	66342	66310	66278	66246	66214	66182	66150	66118	66086	66054	66022	65990	65958	65926	65894	65862	65830	65798	65766	65734	65702	
1978	63957	64020	64083	64146	64209	64272	64335	64398	64461	64524	64587	64650	64713	64776	64839	64902	64965	65028	65091	65154	65217	65280	65343	65406	65469	65532	65595	65658	65721	65784	
1979	24532	24577	24527	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	24532	
1980	296544	295796	295048	294300	293552	292804	292056	291308	290560	289812	289064	288316	287568	286820	286072	285324	284576	283828	283080	282332	281584	280836	280088	279340	278592	277844	277096	276348	275600	274852	
1981	218866	218130	217394	216658	215922	215186	214450	213714	212978	212242	211506	210770	210034	209298	208562	207826	207090	206354	205618	204882	204146	203410	202674	201938	201202	200466	199730	198994	198258	197522	
1982	174766	174888	174988	175088	175188	175288	175388	175488	175588	175688	175788	175888	175988	176088	176188	176288	176388	176488	176588	176688	176788	176888	176988	177088	177188	177288	177388	177488	177588	177688	
1983	291832	292491	293150	293809	294468	295127	295786	296445	297104	297763	298422	299081	299740	300399	301058	301717	302376	303035	303694	304353	305012	305671	306330	306989	307648	308307	308966	309625	310284	310943	
1984	286623	286211	285800	285389	284978	284567	284156	283745	283334	282923	282512	282101	281690	281279	280868	280457	280046	279635	279224	278813	278402	277991	277580	277169	276758	276347	275936	275525	275114	274703	
1985	244160	244458	244756	245054	245352	245650	245948	246246	246544	246842	247140	247438	247736	248034	248332	248630	248928	249226	249524	249822	250120	250418	250716	251014	251312	251610	251908	252206	252504	252802	
1986	206331	206736	207141	207546	207951	208356	208761	209166	209571	209976	210381	210786	211191	211596	212001	212406	212811	213216	213621	214026	214431	214836	215241	215646	216051	216456	216861	217266	217671	218076	
1987	144377	144437	144497	144557	144617	144677	144737	144797	144857	144917	144977	145037	145097	145157	145217	145277	145337	145397	145457	145517	145577	145637	145697	145757	145817	145877	145937	145997	146057	146117	
1988	71606	71342	71142	71008	70874	70740	70606	70472	70338	70204	70070	69936	69802	69668	69534	69400	69266	69132	68998	68864	68730	68596	68462	68328	68194	68060	67926	67792	67658	67524	
1989	85113	85038	84963	84888	84813	84738	84663	84588	84513	84438	84363	84288	84213	84138	84063	83988	83913	83838	83763	83688	83613	83538									

ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

Units in acre-feet

MAY

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	24687	25800	27060	28752	30787	33086	35682	38306	40810	42924	44613	46388	48260	50232	52400	54760	57316	60072	63032	66200	69576	73160	76960	80980	85232	89716	94432	99384	104576	110016	115712	121672	127904	134416	141216	148312	155808	163704	172008	180728	190000	199832	210232	221304	233048	245472	258688	272704	287536	303288	319960	337568	356112	375600	396048	417568	440160	463840	488624	514512	541512	569632	598880	629264	660800	693488	727328	762328	798488	835824	874344	914048	954944	997040	1040336	1083568	1128496	1175128	1223464	1273504	1325248	1378696	1433856	1490736	1549344	1609688	1671776	1735616	1801312	1868864	1938280	2009560	2082712	2157744	2234656	2313448	2394224	2477096	2562064	2649136	2738312	2829600	2923000	3018512	3116144	3215896	3317768	3421768	3527896	3636176	3746608	3859192	3983936	4110848	4249936	4391200	4534640	4680256	4828048	4978016	5130160	5284488	5440992	5600000	5761616	5925848	6092704	6262288	6434608	6609664	6787456	6967888	7150960	7336672	7525024	7716032	7909704	8106048	8305072	8506784	8711184	8918272	9128048	9340512	9555672	9773528	9994080	10217328	10452368	10694112	10942752	11198304	11460768	11730144	12006432	12289632	12579744	12886864	13191008	13502176	13819368	14152584	14501824	14857096	15218400	15595744	15979128	16368560	16764048	17165600	17573216	17986904	18406672	18832528	19264496	19702576	20146768	20597072	21053488	21516016	21984656	22459408	22940272	23427344	23920624	24420112	24925808	25437816	25956144	26480792	27011648	27548720	28092016	28640528	29194256	29753208	30317384	30886696	31461152	32040768	32625544	33215488	33810592	34410864	35016304	35626912	36242688	36863728	37489936	38121312	38757856	39409568	40066448	40728496	41395712	42068096	42745648	43428368	44116256	44809312	45507536	46210928	46919488	47633216	48352112	49076176	49824408	50577808	51336368	52100096	52869000	53643088	54422352	55206800	55996432	56791168	57591008	58395952	59206000	60021152	60841416	61666784	62497256	63333032	64174016	65020208	65871616	66728240	67591088	68459160	69332464	70211184	71095248	71984664	72879440	73779576	74685072	75596328	76512352	77434048	78361416	79294448	80233152	81177528	82127560	83083248	84044592	85011600	85984272	86962608	87946608	88936272	89931600	90932688	91939536	92952144	93970512	94994640	96024528	97060176	98101584	99148752	100601040	101658944	102722400	103785504	104846272	105904656	106960656	108014272	109065504	110114352	111160784	112204832	113246512	114285840	115322832	116357456	117389680	118418512	119444944	120468976	121490608	122509840	123526672	124541104	125553136	126562768	127569992	128574816	129577240	130577264	131573888	132567112	133556944	134543376	135526416	136506064	137482320	138455184	139424656	140390736	141353376	142312112	143266944	144222864	145178864	146130944	147079104	148023344	148963072	149899088	150831392	151759888	152682576	153596360	154501248	155407240	156314336	157222536	158131840	159042352	160053984	161066736	162080608	163095592	164111688	165128992	166147408	167166936	168187576	169209328	170232192	171256168	172281248	173307440	174333744	175361152	176389664	177419280	178450000	179480832	180512768	181545824	182579992	183615272	184650672	185687192	186723832	187761592	188799472	189837472	190875592	191913832	192952192	193990672	195029280	196068016	197106880	198145888	199185032	200224312	201263712	202303232	203342872	204382632	205422512	206462512	207502632	208542872	209583232	210623712	211664224	212704864	213745632	214786528	215827552	216868712	217909992	218951392	219992912	221034544	222076296	223118160	224159136	225200232	226241448	227282776	228324224	229365792	230407480	231449288	232491216	233533064	234575032	235617120	236659328	237701656	238744096	239786656	240829336	241872136	242915056	243958096	245001256	246044536	247087936	248131456	249175096	250218856	251262736	252306744	253350880	254395136	255439512	256484008	257528624	258573360	259618216	260663176	261708200	262753392	263808656	264854096	265909712	266965504	268021472	269077616	270133936	271190432	272247104	273303952	274360976	275418176	276475552	277533104	278590832	279648736	280706816	281765072	282823504	283882112	284940904	286000000	287059296	288118704	289178624	290238752	291299096	292359656	293420432	294481424	295542632	296604056	297665696	298727552	299789632	300851840	301914272	302976944	304040832	305105936	306172256	307238784	308305528	309372496	310439672	311506928	312574352	313641952	314709728	315778672	316847808	317917136	318986656	320056272	321126080	322196080	323266272	324336656	325407232	326477992	327548944	328620080	329691408	330762928	331835472	332908720	333982672	335057128	336131792	337206576	338281584	339356816	340432272	341507952	342583776	343659744	344735856	345812112	346888512	347965056	349041744	350118576	351195536	352272640	353349888	354427272	355504896	356582648	357660536	358738560	359816720	360895072	361973584	363052272	364131136	365210168	366289376	367368760	368448320	369528064	370607984	371688096	372768392	373848872	374929528	376010360	377091376	378172576	379253952	380335504	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ISABELLA RESERVOIR 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	81980	82952	83784	84544	85000	85190	85304	85390	85504	84734	83874	83214	82280	81546	80843	80140	79437	78716	78070	77600	77132	76700	76216	75750	74155	73105	71722	70634	69512	
1955	27558	28178	28656	29223	30413	32440	34708	37154	39058	40520	41975	43208	43952	43208	43464	43557	43464	43347	43255	43231	43208	43208	43208	42999	42650	42254	41812	41279	40741	40292	39753
1956	238108	241428	244620	248545	251575	253817	256207	258844	261731	264993	267930	269582	270653	270653	271295	271545	271545	271545	271545	271545	271545	271545	271545	271545	271545	271545	271545	271545	271545	271545	271545
1957	151805	154695	158517	162004	165033	168019	170588	173122	175103	176103	176303	176303	176303	176303	176303	176303	176303	176303	176303	176303	176303	176303	176303	176303	176303	176303	176303	176303	176303	176303	176303
1958	413405	417963	422128	425803	429083	430959	432833	434719	436604	438490	439879	440768	441156	441156	441156	441156	441156	441156	441156	441156	441156	441156	441156	441156	441156	441156	441156	441156	441156	441156	441156
1959	207143	208480	209889	210363	210838	211304	211762	212220	212678	213136	213594	214052	214510	214968	215426	215884	216342	216800	217258	217716	218174	218632	219090	219548	220006	220464	220922	221380	221838	222296	222754
1960	118730	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825	118825
1961	47316	47567	47743	47934	48140	48361	48598	48852	49114	49383	49659	49942	50231	50526	50826	51131	51441	51756	52086	52431	52791	53156	53526	53901	54281	54666	55056	55451	55851	56256	56666
1962	133755	135508	137277	139062	140864	142684	144522	146378	148252	150144	152054	153982	155928	157892	159864	161854	163862	165888	167932	169994	172074	174172	176288	178422	180574	182742	184926	187126	189342	191574	193822
1963	294844	298760	303122	307940	313114	318644	324530	330784	337406	344406	351692	359374	367452	375936	384826	394132	403854	413992	424546	435516	446902	458704	470932	483586	496666	510172	524114	538492	553316	568582	584250
1964	201838	202104	202226	202364	202522	202698	202892	203104	203334	203582	203848	204132	204434	204754	205092	205448	205822	206214	206624	207052	207500	207968	208456	208964	209492	210040	210608	211196	211804	212432	213080
1965	27495	29066	29302	29522	29726	29914	30086	30252	30414	30572	30726	30876	31022	31164	31302	31436	31566	31692	31814	31932	32046	32156	32262	32364	32462	32556	32646	32732	32814	32892	32966
1966	217576	217645	217782	217891	217988	218125	218282	218456	218646	218852	219074	219312	219566	219836	220122	220424	220742	221076	221426	221792	222174	222572	222986	223416	223862	224324	224802	225296	225806	226332	226874
1967	374280	376759	379278	381838	384437	387076	389754	392472	395228	398022	400854	403724	406632	409578	412562	415584	418644	421742	424878	428052	431264	434514	437802	441128	444492	447894	451334	454812	458328	461882	465474
1968	256433	257713	258996	260131	261226	262282	263300	264288	265246	266174	267072	267940	268778	269586	270364	271112	271830	272518	273176	273804	274402	274970	275508	276016	276494	276942	277360	277748	278096	278414	278702
1969	467616	469772	472522	475872	479822	484372	489522	495272	501622	508572	516122	524272	533022	542372	552422	563172	574622	586772	599622	613272	627622	642672	658422	674872	692022	709872	729322	749472	770322	791872	814122
1970	317214	320176	323000	325722	328352	330882	333322	335672	337932	340102	342182	344172	346072	347892	349632	351292	352872	354372	355792	357132	358392	359572	360672	361692	362632	363492	364272	364972	365592	366132	366592
1971	216954	217776	218601	219427	220254	221082	221910	222738	223566	224394	225222	226050	226878	227706	228534	229362	230190	231018	231846	232674	233502	234330	235158	235986	236814	237642	238470	239298	240126	240954	241782
1972	123793	124136	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332	124332
1973	328716	333835	338954	344073	349192	354311	359430	364549	369668	374787	379906	385025	390144	395263	400382	405501	410620	415739	420858	425977	431096	436215	441334	446453	451572	456691	461810	466929	472048	477167	482286
1974	414565	418827	423089	427351	431613	435875	440137	444399	448661	452923	457185	461447	465709	469971	474233	478495	482757	487019	491281	495543	499805	504067	508329	512591	516853	521115	525377	529639	533901	538163	542425
1975	363170	370747	378324	385901	393478	401055	408632	416209	423786	431363	438940	446517	454094	461671	469248	476825	484402	491979	499556	507133	514710	522287	529864	537441	545018	552595	560172	567749	575326	582903	590480
1976	163361	168605	168652	167886	167020	166054	165088	164122	163156	162190	161224	160258	159292	158326	157360	156394	155428	154462	153496	152530	151564	150598	149632	148666	147700	146734	145768	144802	143836	142870	141904
1977	72954	73926	74866	75779	76670	77541	78394	79229	79954	80569	81074	81570	82057	82536	83006	83467	83919	84362	84796	85221	85637	86044	86442	86831	87211	87582	87944	88297	88641	88976	89302
1978	429420	431627	433439	434951	436263	437375	438287	439099	439811	440423	440935	441347	441659	441871	441983	441995	441907	441819	441731	441643	441555	441467	441379	441291	441203	441115	441027	440939	440851	440763	440675
1979	502420	503827	505666	508052	510926	514300	518174	522548	527422	532796	538670	545044	551918	559292	567166	576040	585914	596788	607662	618536	629410	640284	651158	662032	672906	683780	694654	705528	716402	727276	738150
1980	366510	370710	374846	378982	383118	387254	391390	395526	399662	403798	407934	412070	416206	420342	424478	428614	432750	436886	441022	445158	449294	453430	457566	461702	465838	470000	474162	478324	482486	486648	490810
1981	528333	530103	531324	532031	532584	533091	533554	533973	534347	534675	534957	535193	535384	535530	535632	535690	535704	535674	535600	535482	535320	535114	534864	534570	534232	533850	533424	532954	532440	531882	531280
1982	497033	505666	512295	517653	522594	527046	531010	534486	537474	540082	542316	544184	545696	546862	547694	548152	548336	548254	548006	547592	547030	546330	545502	544556	543492	542310	540922	539340	537564	535594	533430
1983	402776	404428	405598	406366	406756	406872	406719	406304	405636	404761	403682	402407	400934	399262	397392	395324	393066	390618	387982	385156	382140	378934	375538	371952	367176	361310	354354	346408	337472	327546	316730
1984	376405	377346	378693	379701	380455	380945	381168	381214	381096	380822	380402	379836	379124	378266	377262	376114	374824	373392	371818	370102	368244	366244	364102	361818	359394	356830	354126	351282	348308	345204	341970
1985	539761	543817	547790	551596	555332	559000	562600	566132	569586	572962	576260	579480	582622	585686	588664	591556	594362	597084	599722	602280	604748	607126	609414	611612	613720	615738	617656	619474	621192	622810	624328
1986	155970	156537	157163	157832	158544	159298	160094	160932	161812	162734	163698	164704	165752	166842	167974	169148	170364	171622	172922	174264	175648	177074	178542	179954	181402	182886	184402	185950	187532	189148	190794
1987	184801	184549	184110	183544	182816	182041	181164	180184	179106	177922	176634	175242	173746	172146	170542	168934	167322	165706	164086	162462	160834	159202	157566	155926	154282	152634	150982	149326			

ISABELLA RESERVOIR 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	6840	67019	66524	66302	66259	64329	63647	63089	62886	62110	61720	60280	59500	58833	58137	57470	56687	55816	54920	54052	53152	52342	51478	50658	49878	48980	48578	47876	47084	46388	45456	
1955	39372	38986	39473	37955	37283	36519	35830	35204	34588	34147	33665	32963	32302	31723	31280	30802	30487	30228	29970	29730	29471	29175	28903	28603	28284	27948	27523	27089	26650	26209	25804	
1956	282974	282714	282077	281200	280171	279308	278524	277824	277283	276847	276427	276041	275693	275382	275106	274863	274643	274447	274263	274090	273928	273776	273634	273502	273380	273267	273164	273070	272985	272909	272841	
1957	18670	17950	179251	178201	177399	176473	175552	174622	173694	172883	172070	169887	167129	165303	163934	162804	161872	161074	160280	159447	158517	157538	156511	155462	154398	153324	152246	151164	150081	148997	147914	
1958	449700	447892	446386	444884	443375	441869	440364	438861	437359	435858	434358	432859	431361	429864	428368	426873	425379	423886	422394	420903	419413	417924	416436	414950	413465	411981	410498	409016	407534	406053	404572	
1959	137307	136351	131795	126208	126096	123840	120818	117734	114683	112019	111110	110305	109395	108379	107395	106428	105488	104566	103662	102776	101904	101054	100226	99416	98575	97705	96806	95878	94921	93935	92919	
1960	80114	79459	78179	77510	76876	76277	75539	74767	74058	73302	72536	71762	71000	70259	69548	68869	68222	67606	67021	66467	65943	65449	64984	64548	64141	63763	63414	63084	62772	62478	62199	
1961	49169	48648	48083	47567	46990	46459	45876	45243	44560	43927	43244	42611	41928	41295	40612	39879	39096	38263	37390	36477	35514	34501	33438	32325	31162	30000	28838	27676	26514	25352	24190	
1962	17370	17404	171617	171012	170285	170769	170406	169801	169146	168353	167555	166655	165658	164564	163374	162094	160724	159268	157726	156099	154386	152587	150702	148731	146674	144530	142300	140084	137892	135725	133583	
1963	389170	389170	388887	388605	388440	387984	387619	387255	386795	386232	385567	384802	383937	382972	381907	380742	379477	378012	376447	374782	373017	371152	369187	367122	364957	362692	360327	357862	355297	352632	349867	
1964	173484	171859	170225	168643	166803	165112	163582	162212	160942	159839	158894	158009	157184	156419	155704	155039	154424	153859	153344	152879	152464	152099	151784	151519	151304	151139	151024	150959	150944	150979	151064	151209
1965	283192	283980	285027	285903	286700	287497	288215	288884	289537	290083	290530	290883	291236	291589	291942	292295	292648	292999	293349	293698	294046	294393	294739	295084	295428	295771	296113	296454	296794	297133	297470	
1966	188845	187251	185799	184465	183246	182164	181238	180467	179844	179369	178944	178569	178244	177969	177744	177569	177444	177369	177344	177369	177444	177569	177744	177969	178244	178569	178944	179369	179844	180467	181238	
1967	481816	488526	494435	500621	507241	514298	521764	529640	537927	546724	556031	565858	576205	587072	598479	610426	622923	635970	649567	663714	678421	693688	709515	725912	742879	760416	778523	797200	816457	836294	856711	877718
1968	223721	221845	219678	216257	211654	214769	212934	211041	209022	206847	204584	202269	200004	197789	195624	193509	191444	189429	187464	185549	183684	181869	180104	178389	176724	175109	173544	172029	170564	169149	167784	
1969	578688	573882	575253	576168	576588	577084	577169	577428	577428	577314	576970	576397	575610	574628	573459	572104	570569	568954	567269	565524	563729	561894	560019	558104	556149	554154	552119	550054	547959	545834	543679	
1970	315849	314098	314098	313300	311917	310486	308912	307497	306087	304694	303319	301964	300629	299314	298019	296744	295489	294254	293039	291844	290669	289514	288379	287264	286169	285094	284039	283004	282009	281044	280109	
1971	234844	234015	233230	232376	231382	230107	228765	227368	225924	224440	222917	221354	219801	218258	216725	215202	213689	212186	210693	209210	207747	206304	204881	203478	202095	200732	199389	198066	196773	195510	194277	
1972	112258	111186	110083	108962	107834	106697	105550	104393	103226	102059	100892	99725	98568	97411	96254	95107	93970	92843	91726	90619	89522	88435	87358	86291	85234	84187	83150	82123	81106	80109	79132	
1973	386974	387933	386316	384919	383783	382801	381984	381333	380846	380511	380331	380290	380359	380428	380497	380566	380635	380704	380773	380842	380911	380980	381049	381118	381187	381256	381325	381394	381463	381532	381601	
1974	479813	470191	469160	468028	466896	465764	464632	463500	462368	461236	460104	458972	457840	456708	455576	454444	453312	452180	451048	449916	448784	447652	446520	445388	444256	443124	441992	440860	439728	438596	437464	
1975	138665	128436	128037	128550	124779	122829	120756	118705	116676	114689	112868	111266	110084	108873	107716	106571	105440	104322	103216	102122	101040	100000	98985	97970	96955	95940	94925	93910	92895	91880	90865	89850
1976	78023	77521	76878	76133	75382	74681	73983	73284	72585	71886	71187	70488	69789	69090	68391	67692	66993	66294	65595	64896	64197	63498	62799	62100	61401	60702	60003	59304	58605	57906	57207	
1977	485035	48574	486084	486294	486482	486654	486812	486959	487096	487223	487340	487457	487574	487691	487808	487925	488042	488159	488276	488393	488510	488627	488744	488861	488978	489095	489212	489329	489446	489563	489680	
1978	411663	409408	407256	405199	403238	401373	399598	397913	396318	394813	393398	392073	390838	389683	388608	387613	386698	385863	385108	384433	383838	383323	382888	382523	382228	381993	381818	381693	381618	381593	381618	
1979	882970	885294	885381	884451	882592	880616	878543	876278	873824	871199	868504	865739	862904	860009	857054	854039	850964	847829	844634	841379	838064	834699	831284	827819	824304	820739	817124	813459	809744	805979	802164	
1980	281644	278872	278106	277458	276920	276485	276154	275929	275804	275784	275869	275959	276054	276154	276259	276369	276484	276604	276729	276859	276994	277134	277279	277429	277584	277744	277909	278079	278254	278434	278619	
1981	559516	559061	558492	557810	556927	555844	554561	553078	551495	549812	548029	546146	544163	542080	540007	537844	535591	533248	530815	528292	525679	522986	520213	517360	514427	511414	508321	505148	501895	498562	495149	
1982	625756	627696	628589	629263	630705	632898	635841	639534	644076	649469	655812	663115	671378	680601	690784	701927	714030	727183	741386	756639	772942	790295	808708	828181	848724	870337	893000	916713	941476	967289	994152	
1983	385041	384367	383792	383217	382642	382067	381492	380917	380342	379767	379192	378617	378042	377467	376892	376317	375742	375167	374592	374017	373442	372867	372292	371717	371142	370567	369992	369417	368842	368267	367692	
1984	86587	863481	861432	859848	858764	858180	858096	858512	859428	860844	862760	865176	868092	871508	875424	879840	884756	890172	896088	902504	909420	916836	924752	933168	942084	951500	961416	971832	982748	994164	100508	
1985	5																															

ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

Units in acre-feet

AUGUST

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	32289	31566	30882	30180	29465	28738	28038	27438	27114	26753	26533	26286	25763	25290	24686	24508	24083	23573
1955	25439	25100	24648	24212	23847	23447	23047	22615	22181	21756	21339	20928	20514	20100	19688	19276	18864	18452	18040	17628	17216	16804	16392	15980	15568	15156	14744	14332	13920	13508	13096
1956	25028	24831	24620	24403	24181	23954	23722	23485	23243	22996	22754	22507	22265	22018	21776	21529	21287	21040	20798	20551	20309	20062	19820	19573	19331	19084	18841	18594	18352	18105	17863
1957	146803	145715	144684	143590	142424	141212	140100	138965	137814	136653	135484	134317	133152	131980	130811	129644	128479	127316	126155	125000	123841	122688	121541	120399	119262	118121	116985	115854	114728	113607	112491
1958	367437	363363	359220	355132	351084	347074	343102	339168	335274	331320	327406	323532	319700	315910	312162	308456	304792	301170	297590	294052	290556	287102	283690	280320	276992	273706	270462	267260	264100	261032	258056
1959	93334	92614	91734	90835	89887	88933	88436	87738	87000	86233	85518	84854	84315	83781	83167	82554	81952	81361	80782	80215	79660	79116	78583	78061	77550	77050	76561	76083	75616	75160	74714
1960	59001	58424	57815	57184	56532	55869	55204	54528	53841	53144	52437	51720	51004	50288	49562	48826	48080	47324	46558	45792	45026	44260	43494	42728	41962	41196	40430	39664	38898	38132	37366
1961	30056	29652	29415	29221	29062	28928	28810	28706	28614	28532	28460	28398	28346	28294	28242	28190	28138	28086	28034	27982	27930	27878	27826	27774	27722	27670	27618	27566	27514	27462	27410
1962	129158	128707	128254	127751	127249	126746	126242	125738	125234	124730	124226	123722	123218	122714	122210	121706	121202	120698	120194	119690	119186	118682	118178	117674	117170	116666	116162	115658	115154	114650	114146
1963	338156	333640	330652	328289	326521	325328	324637	324328	324238	324238	324238	324238	324238	324238	324238	324238	324238	324238	324238	324238	324238	324238	324238	324238	324238	324238	324238	324238	324238	324238	324238
1964	122162	121206	120248	119490	118835	118283	117829	117476	117222	117068	116914	116860	116806	116752	116698	116644	116590	116536	116482	116428	116374	116320	116266	116212	116158	116104	116050	115996	115942	115888	115834
1965	275463	274835	273737	272486	271251	270169	269234	268454	267829	267356	266934	266562	266240	265968	265746	265574	265452	265380	265358	265386	265464	265592	265770	266008	266306	266664	267092	267590	268158	268796	269504
1966	136353	137598	138302	139449	139806	132569	131289	130019	128606	127203	125712	124381	123158	121982	120860	119844	118916	118160	117580	117140	116820	116520	116240	115980	115740	115520	115320	115140	114980	114840	114720
1967	524419	522240	519648	517137	513883	510552	506900	503448	499104	494330	489262	484222	479888	475888	472144	468544	465088	461776	458608	455584	452704	449968	447368	444904	442576	440384	438328	436408	434624	432976	431464
1968	166474	164937	163408	161771	160085	158237	156459	154810	153304	151932	150696	149584	148596	147724	146968	146320	145780	145340	144900	144560	144320	144180	144140	144100	144060	144020	143980	143940	143900	143860	143820
1969	55157	54810	54500	54243	53926	53554	53134	52668	52158	51608	50928	50118	49178	48118	46938	45638	44218	42678	41018	39238	37358	35278	33008	30648	28198	25648	22998	20248	17398	14448	11498
1970	263477	261041	258618	256283	253983	251728	249528	247383	245293	243268	241308	239413	237583	235818	234118	232483	230913	229408	227968	226593	225283	224038	222858	221743	220693	219708	218788	217933	217143	216418	215758
1971	187821	185862	183789	181603	179318	176944	174484	171944	169328	166644	163896	161074	158178	155208	152168	149058	145878	142628	139308	135928	132488	128988	125428	121808	118128	114388	110588	106728	102848	98938	94988
1972	74867	74041	73191	72348	71512	70687	69874	69072	68282	67504	66738	65984	65242	64512	63794	63088	62394	61712	61042	60384	59738	59104	58482	57872	57276	56694	56126	55572	55032	54504	54088
1973	319837	317214	314886	312736	310762	308964	307344	305804	304344	302964	301664	300444	299294	298214	297204	296254	295364	294534	293764	293054	292404	291814	291284	290814	290404	290054	289764	289534	289364	289254	289194
1974	469174	472454	475844	479344	482954	486674	490504	494444	498494	502654	506934	511334	515854	520494	525254	530134	535134	540254	545494	550854	556334	561934	567654	573494	579454	585534	591734	598054	604494	611054	617734
1975	270088	267386	264704	262144	259714	257414	255244	253194	251264	249454	247764	246194	244744	243414	242204	241114	240144	239294	238564	237944	237434	237034	236744	236564	236494	236534	236584	236644	236714	236794	236884
1976	88346	87790	86845	85696	84350	82808	81084	79184	77024	74608	71948	69054	65928	62572	59096	55500	51794	47978	44052	40016	35870	31614	27248	22782	18216	13560	8704	3648	-1424	-6488	-11812
1977	51981	51227	50427	49688	48751	47546	46142	44546	42764	40804	38674	36384	33944	31364	28654	25824	22874	19814	16644	13374	10014	6564	3034	-576	-2424	-5084	-7744	-10404	-13064	-15724	
1978	466556	464400	461839	459888	457588	454938	451938	448588	444888	440838	436438	431688	427588	423138	418338	413188	407688	401838	395638	389088	382188	375038	367638	360088	352388	344438	336238	327838	319238	310438	301438
1979	320707	317168	313566	309834	306072	302290	298488	294666	290824	286962	283080	279178	275256	271304	267322	263310	259268	255196	251094	246962	242790	238578	234326	230044	225722	221360	216958	212516	208084	203662	199250
1980	537375	534796	531435	527222	522156	517246	511492	505894	500352	494966	489736	484662	479744	474974	470356	465890	461576	457414	453404	449546	445842	442292	438896	435656	432572	429644	426862	424230	421748	419416	417234
1981	271432	271626	271362	271042	270666	270234	269746	269202	268614	268076	267542	267012	266486	265964	265446	264934	264426	263922	263424	262930	262442	261958	261478	261002	260530	260060	259598	259144	258696	258254	257818
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1985	285291	282928	280639	278424	276292	274242	272274	270388	268574	266832	265162	263564	262038																		

ISABELLA RESERVOIR 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								
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1955	18643	18617	18590	18564	18538	18512	18486	18460	18434	18408	18382	18356	18330	18304	18278	18252	18226	18200	18174	18148	18122	18096	18070	18044	18018	17992	17966	17940	17914	17888	17862	17836	17810	17784					
1956	187562	186484	185500	184516	183532	182548	181564	180580	179596	178612	177628	176644	175660	174676	173692	172708	171724	170740	169756	168772	167788	166804	165820	164836	163852	162868	161884	160900	159916	158932	157948	156964	155980	154996	154012				
1957	120343	119869	119400	118933	118466	117999	117532	117065	116598	116131	115664	115197	114730	114263	113796	113329	112862	112395	111928	111461	110994	110527	110060	109593	109126	108659	108192	107725	107258	106791	106324	105857	105390	104923	104456	103989			
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1960	36331	35997	35663	35329	34995	34661	34327	33993	33659	33325	32991	32657	32323	31989	31655	31321	30987	30653	30319	29985	29651	29317	28983	28649	28315	27981	27647	27313	26979	26645	26311	25977	25643	25309	24975	24641	24307		
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1962	10566	10540	10514	10488	10462	10436	10410	10384	10358	10332	10306	10280	10254	10228	10202	10176	10150	10124	10098	10072	10046	10020	9994	9968	9942	9916	9890	9864	9838	9812	9786	9760	9734	9708	9682	9656	9630	9604	
1963	25620	25723	25826	25929	26032	26135	26238	26341	26444	26547	26650	26753	26856	26959	27062	27165	27268	27371	27474	27577	27680	27783	27886	27989	28092	28195	28298	28401	28504	28607	28710	28813	28916	29019	29122	29225	29328	29431	
1964	10145	10126	10107	10088	10069	10050	10031	10012	9993	9974	9955	9936	9917	9898	9879	9860	9841	9822	9803	9784	9765	9746	9727	9708	9689	9670	9651	9632	9613	9594	9575	9556	9537	9518	9499	9480	9461	9442	
1965	242154	240852	239550	238248	236946	235644	234342	233040	231738	230436	229134	227832	226530	225228	223926	222624	221322	220020	218718	217416	216114	214812	213510	212208	210906	209604	208302	207000	205698	204396	203094	201792	200490	199188	197886	196584	195282	193980	
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1968	127502	127203	126904	126605	126306	126007	125708	125409	125110	124811	124512	124213	123914	123615	123316	123017	122718	122419	122120	121821	121522	121223	120924	120625	120326	120027	119728	119429	119130	118831	118532	118233	117934	117635	117336	117037	116738	116439	
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1974	330669	328002	326399	324834	323280	321780	320280	318780	317280	315780	314280	312780	311280	309780	308280	306780	305280	303780	302280	300780	299280	297780	296280	294780	293280	291780	290280	288780	287280	285780	284280	282780	281280	279780	278280	276780	275280	273780	
1975	196075	195443	194810	194178	193546	192914	192282	191650	191018	190386	189754	189122	188490	187858	187226	186594	185962	185330	184698	184066	183434	182802	182170	181538	180906	180274	179642	179010	178378	177746	177114	176482	175850	175218	174586	173954	173322	172690	
1976	68467	67799	67148	66505	65862	65219	64576	63933	63290	62647	62004	61361	60718	60075	59432	58789	58146	57503	56860	56217	55574	54931	54288	53645	53002	52359	51716	51073	50430	49787	49144	48501	47858	47215	46572	45929	45286	44643	44000
1977	38088	38334	38780	38449	38049	37649	37249	36849	36449	36049	35649	35249	34849	34449	34049	33649	33249	32849	32449	32049	31649	31249	30849	30449	30049	29649	29249	28849	28449	28049	27649	27249	26849	26449	26049	25649	25249	24849	
1978	383979	382133	380433	378679	376925	375171	373417	371663	369909	368155	366401	364647	362893	361139	359385	357631	355877	354123	352369	350615	348861	347107	345353	343599	341845	340091	338337	336583	334829	333075	331321	329567	327813	326059	324305	322551	320797	319043	317289
1979	235807	234806	233805	232804	231803	230802	229801	228800	227800	226800	225800	224800	223800	222800	221800	220800	219800	218800	217800	216800	215800	214800	213800	212800	211800	210800	209800	208800	207800	206800	205800	204800	203800	202800	201800	200800	199800	198800	
1980	405306	401901	398411	394945	391503	388085	384691	381321	377975	374653	371355	368081	364831	361605	358403	355225	352071	348941	345835	34275																			

ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

Units in acre-feet

OCTOBER

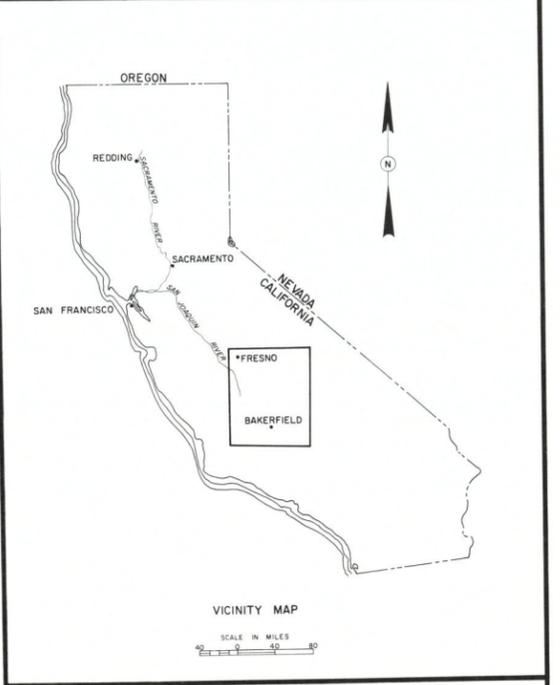
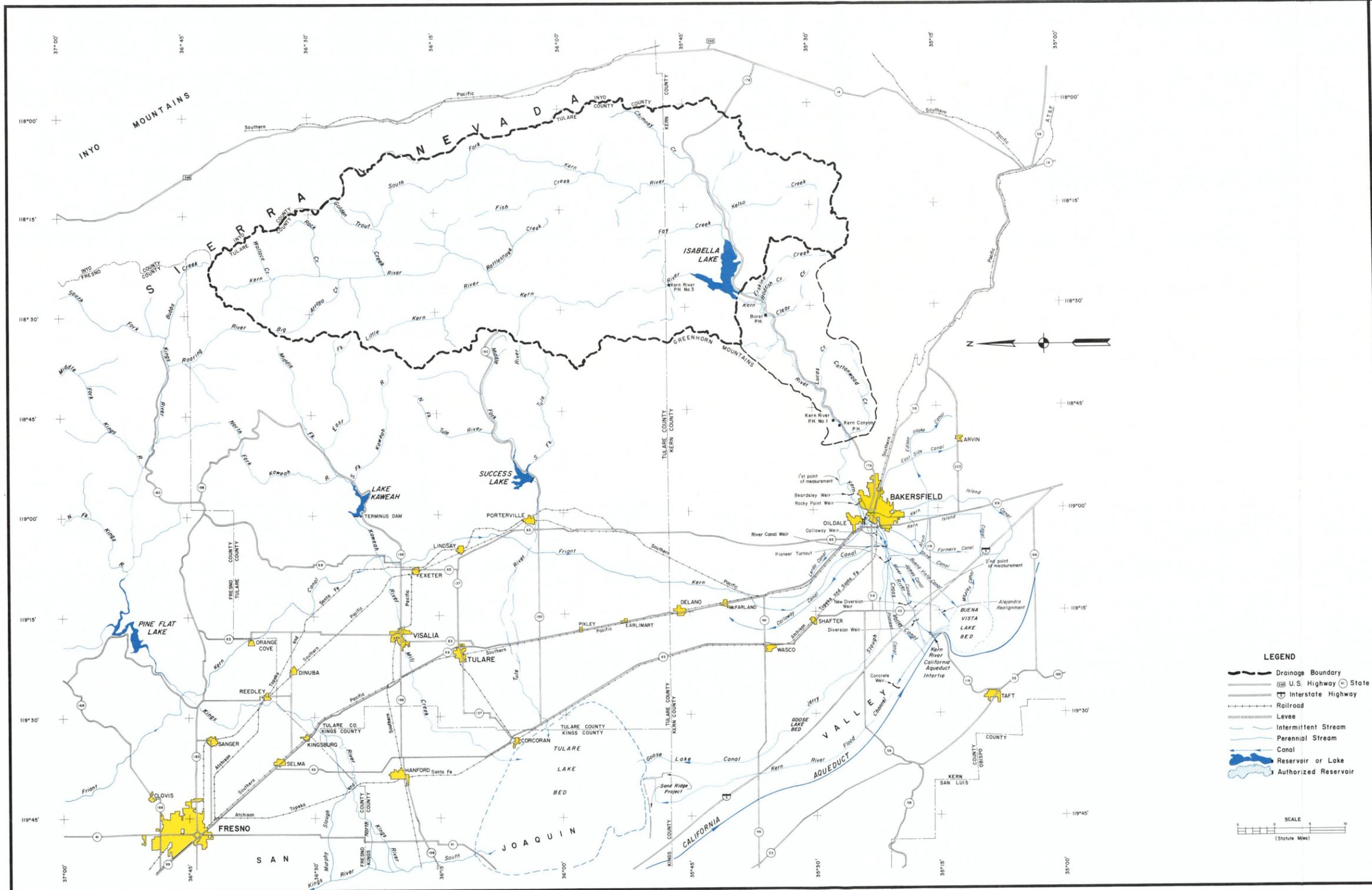
Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
1954	13110	12000	12674	12465	12243	12000	11777	11512	11317	11122	10943	10790	10684	10574	10474	10374	10274	10174	10074	9974	9874	9774	9674	9574	9474	9374	9274	9174	9074	8974	8874	8774	
1955	14614	14529	14434	14340	14246	14152	14058	13964	13870	13776	13682	13588	13494	13400	13306	13212	13118	13024	12930	12836	12742	12648	12554	12460	12366	12272	12178	12084	11990	11896	11802	11708	
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1957	10694	10656	10619	10582	10545	10508	10471	10434	10397	10360	10323	10286	10249	10212	10175	10138	10101	10064	10027	9990	9953	9916	9879	9842	9805	9768	9731	9694	9657	9620	9583	9546	
1958	23731	23632	23533	23434	23335	23236	23137	23038	22939	22840	22741	22642	22543	22444	22345	22246	22147	22048	21949	21850	21751	21652	21553	21454	21355	21256	21157	21058	20959	20860	20761	20662	
1959	74245	74177	74109	74041	73973	73905	73837	73769	73701	73633	73565	73497	73429	73361	73293	73225	73157	73089	73021	72953	72885	72817	72749	72681	72613	72545	72477	72409	72341	72273	72205	72137	
1960	30543	30432	30321	30210	30099	29988	29877	29766	29655	29544	29433	29322	29211	29100	28989	28878	28767	28656	28545	28434	28323	28212	28101	27990	27879	27768	27657	27546	27435	27324	27213	27102	
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1963	214556	212126	209696	207266	204836	202406	200000	197594	195188	192782	190376	187970	185564	183158	180752	178346	175940	173534	171128	168722	166316	163910	161504	159098	156692	154286	151880	149474	147068	144662	142256	139850	
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1965	20078	20710	20683	20482	20382	20282	20182	20082	19982	19882	19782	19682	19582	19482	19382	19282	19182	19082	18982	18882	18782	18682	18582	18482	18382	18282	18182	18082	17982	17882	17782	17682	
1966	89746	89358	88971	88583	88195	87807	87419	87031	86643	86255	85867	85479	85091	84703	84315	83927	83539	83151	82763	82375	81987	81599	81211	80823	80435	80047	79659	79271	78883	78495	78107	77719	
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1968	12192	12185	12178	12171	12164	12157	12150	12143	12136	12129	12122	12115	12108	12101	12094	12087	12080	12073	12066	12059	12052	12045	12038	12031	12024	12017	12010	11999	11988	11977	11966	11955	
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1973	22261	220876	219833	218790	217747	216704	215661	214618	213575	212532	211489	210446	209403	208360	207317	206274	205231	204188	203145	202102	201059	200016	198973	197930	196887	195844	194801	193758	192715	191672	190629	189586	188543
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1975	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	17520	
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1979	32793	32584	32375	32166	31957	31748	31539	31330	31121	30912	30703	30494	30285	30076	29867	29658	29449	29240	29031	28822	28613	28404	28195	27986	27777	27568	27359	27150	26941	26732	26523	26314	26105
1980	17180	17148	17116	17084	17052	17020	16988	16956	16924	16892	16860	16828	16796	16764	16732	16700	16668	16636	16604	16572	16540	16508	16476	16444	16412	16380	16348	16316	16284	16252	16220	16188	16156
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1983	34752	34927	35102	35277	35452	35627	35802	35977	36152	36327	36502	36677	36852	37027	37202	37377	37552	37727	37902	38077	38252	38427	38602	38777	38952	39127	39302	39477	39652	39827	40002	40177	40352
1984	276746	275967	275200	274433	273666	272899	272132	271365	270598	269831	269064	268297	267530	266763	266000	265233	264466	263700	262933	262166	261400	260633	259866	259100	258333	257566	256800	256033	255266	254500	253733	252966	252200
1985	202842	202174	201510	200846	200182	199518	198854	198190	197526	196862	196198	195534	194870	194206	193542	192878	192214	191550	190886	190222	189558	188894	188230	187566	186902	186238	185574	184910	184246	183582	182918	182254	181590
1986	326445	324440	322435	320430	318425	316420	314415	312410	310405	308400	306395	304390	302385	300380	298375	296370	294365	292360	290355	288350	286345	284340	282335	280330	278325	276320	274315	272310	270305	268300	266295	264290	262285
1987	157079	152012	149715	147420	145125	142830	140535	138240	135945	133650	131355	129060	126765	124470	122175	119880	117585	115290	112995	110700	108405	106110	103815	101520	99225	96930	94635	92340	90045	87750	85455	83160	80865
1988	7541	74972	74533	74094	73655	73216	72777	723																									

ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

Units in acre-feet

DECEMBER

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	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537	8537																														
1955	12814	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863	12863																														
1956	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125	131125																													
1957	101244	101201	101201	101159	101228	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286	101286																													
1958	19154	19069	19069	19024	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084	19084																													
1959	71805	71772	71729	71706	71674	71641	71608	71575	71542	71509	71476	71443	71410	71377	71344	71311	71278	71245	71212	71179	71146	71113	71080	71047	71014	70981	70948	70915	70882	70849	70816	70783																													
1960	29378	29390	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341	29341																													
1961	17575	17663	17650	17638	17628	17625	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613	17613																													
1962	83751	81714	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676																												
1963	170257	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467	170467																											
1964	94857	94949	94906	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867	94867																											
1965	170104	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943	169943																										
1966	82714	83011	84616	85295	11121	260358	262653	304514	311918	317467	321960	325372	328458	330869	333029	334848	336325	336760	336934	337195	337369	337543	337717	337891	338065	338239	338413	338587	338761	338935	339109	339283	339457	339631	339805																										
1967	200953	200330	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668																									
1968	119444	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397	119397																									
1969	225166	224976	224966	224767	224767	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687	224687																									
1970	160207	160491	160607	160782	161130	161946	162705	163467	164231	165000	165769	166541	167316	168094	168875	169659	170446	171236	172029	172825	173624	174425	175228	176034	176842	177652	178464	179278	180094	180911	181730	182550	183371	184194	185018	185843																									
1971	120689	120641	120641	120653	120497	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448	120448																								
1972	50770	51989	51989	52636	52799	53295	53125	53289	53316	53344	53368	53426	53480	53562	53645	53728	53810	53892	53974	54056	54138	54220	54302	54384	54466	54548	54630	54712	54794	54876	54958	55040	55122	55204	55286	55368																									
1973	204884	204817	204751	204685	204618	204552	204486	204420	204354	204288	204222	204156	204090	204024	203958	203892	203826	203760	203694	203628	203562	203496	203430	203364	203298	203232	203166	203100	203034	202968	202902	202836	202770	202704	202638	202572	202506																								
1974	224897	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837	224837																								
1975	170190	170249	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369	170369																								
1976	66586	66553	66553	66520	66487	66454	66421	66388	66355	66322	66289	66256	66223	66190	66157	66124	66091	66058	66025	65992	65959	65926	65893	65860	65827	65794	65761	65728	65695	65662	65629	65596	65563	65530	65497	65464	65431																								
1977	34988	34987	34947	34907	34867	34827	34787	34747	34707	34667	34627	34587	34547	34507	34467	34427	34387	34347	34307	34267	34227	34187	34147	34107	34067	34027	33987	33947	33907	33867	33827	33787	33747	33707	33667	33627	33587	33547																							
1978	248126	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825	247825																							
1979	209719	209583	209651	209719	209787	209855	209923	209991	210059	210127	210195	210263	210331	210399	210467	210535	210603	210671	210739	210807	210875	210943	211011	211079	211147	211215	211283	211351	211419	211487	211555	211623	211691	211759	211827	211895	211963	212031																							
1980	230532	230460	230748	231543	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903	231903																							
1981	167676	167676	167616	167380	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321	167321																							
1982	267794	267188	266936	266596	266348	266100	265852	265604	265356	265108	264860	264612	264364	264116	263868	263620	263372	263124	262876	262628	262380	262132	261884	261636	261388	261140	260892	260644	260396	260148	259900	259652	259404	259156	258908	258660	258412	258164	257916																						
1983	300040	298123	296290	294457	292624	290791	288958	287125	285292	283459	281626	279793	277960	276127	274294	272461	270628	268795	266962	265129	263296	261463	259630	257797	255964	254131	252298	250465	248632	246799	244966	243133	241300	239467	237634	235801	233968	232135	230302	228469	226636	224803	222970	221137	219304	217471	215638	213805	211972	210139	208306	206473	204640	202807	200974	199141	197308	195475	193642	191809	189976



LEGEND

- Drainage Boundary
- U.S. Highway
- State Highway
- Interstate Highway
- Railroad
- Levee
- Intermittent Stream
- Perennial Stream
- Canal
- Reservoir or Lake
- Authorized Reservoir

SCALE
(Statute Miles)

**ISABELLA LAKE
KERN RIVER, CALIFORNIA**

GENERAL MAP

CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA

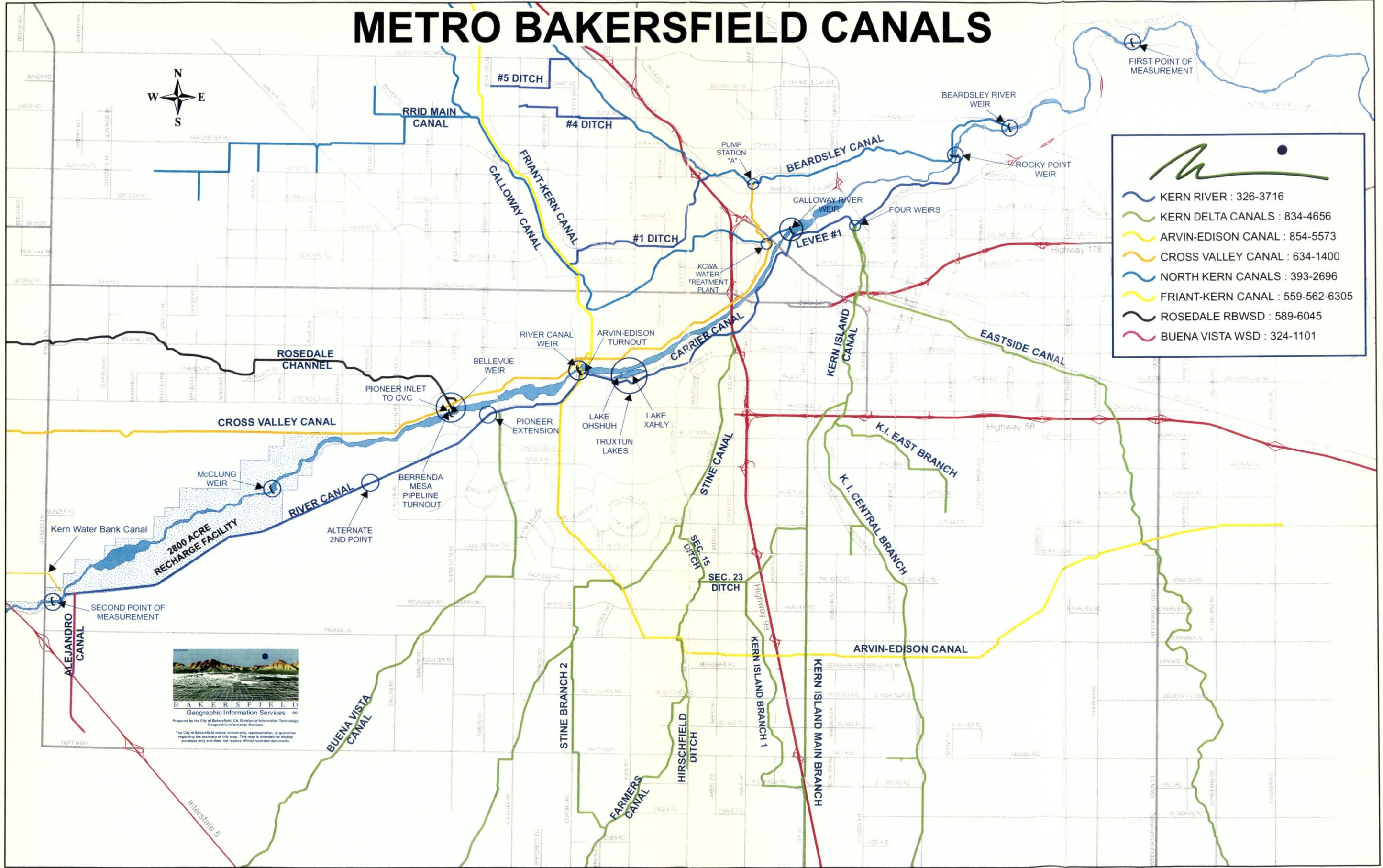
Prepared: C.D.M. Date: NOVEMBER 1977

Drawn: T.K.B.

METRO BAKERSFIELD CANALS



-  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
Prepared by the City of Bakersfield, CA, Division of Information Technology, Geographic Information Services.

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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**

BAKERSFIELD

Bakersfield, Caly July 22, 1905

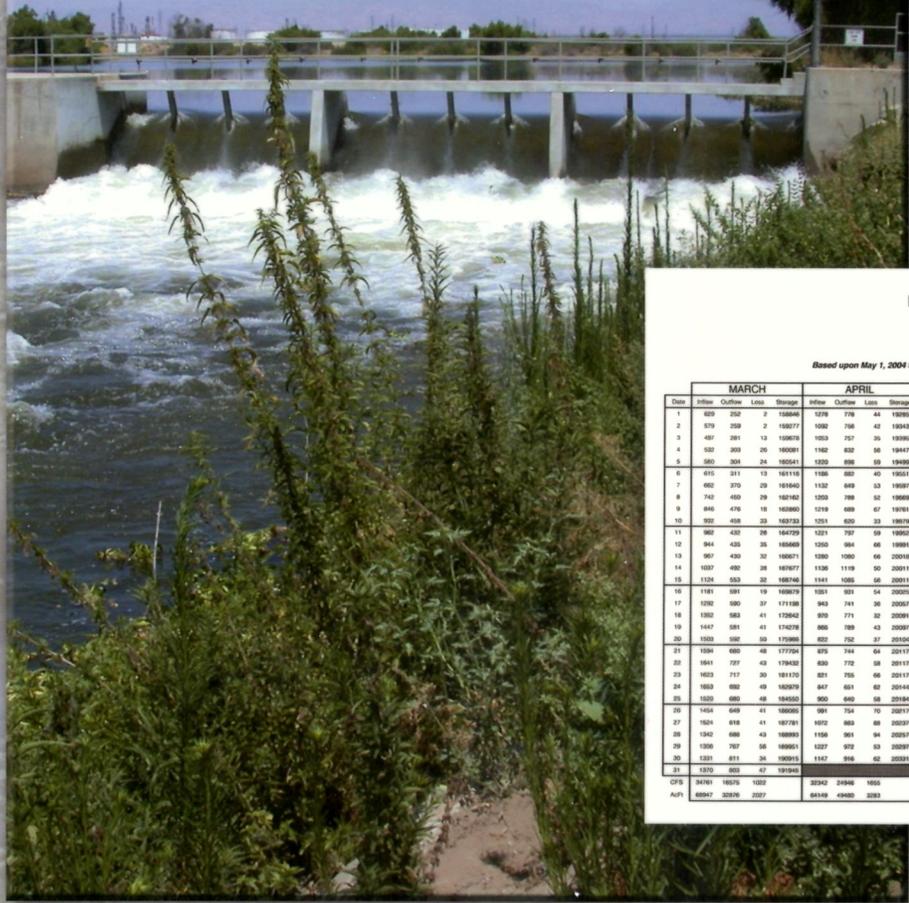
MESSRS. MILLER & LUX and
KERN COUNTY CANAL and WATER COMPANY

Report of measurement and delivery of water in Kern River for the week ending July 19, 1905

No. of second ft. delivered by

Date	No. of sec. ft. delivered						
July 17	1787.33	5257.77	2837.62	11887.06	2555.21	144.15	27057.3
July 18	1024.64	260.88					
July 15	874.00	27.28					
July 16	802.92	167.47					
July 17	742.70	124.67					1244.37
July 18	712.16	137.87					2887.20
July 19	672.60	24.20					
Totals	2037124.53	81042.53	2837.62	11887.06	2555.21	144.15	

Respectfully Submitted,
J. E. Reynolds



Kern River Watermaster 5-12-04

ISABELLA DAM & RESERVOIR

Snowmelt Operations Forecast

2004

Based upon May 1, 2004 State DWR Forecast of 220,000 ACFt April-July Inflow to Lake Isabella (47% of Normal)

Date	MARCH			APRIL			MAY			JUNE			JULY			AUGUST			
	Inflow	Outflow	Storage	Inflow	Outflow	Storage	Inflow	Outflow	Storage	Inflow	Outflow	Storage	Inflow	Outflow	Storage	Inflow	Outflow	Storage	
1	609	252	2 158646	1278	776	44 180950	1148	734	77 202078	1073	854	80 231463	891	1284	130 200590	290	951	100 148033	1
2	579	259	2 159277	1302	786	42 183433	1311	752	85 204918	1059	899	80 233232	877	1245	130 200667	287	953	100 147784	2
3	497	281	12 150926	1353	757	36 183961	1427	641	74 205269	1041	918	80 234143	869	1244	120 200771	283	996	100 146914	3
4	432	302	20 160591	1462	622	30 184671	1604	622	63 205718	1032	977	80 235024	858	1239	120 200786	281	954	100 146468	4
5	380	304	24 162541	1535	658	60 194993	1800	705	103 208447	1024	981	85 235150	837	1283	130 200847	279	914	100 146300	5
6	315	311	13 161110	1680	680	40 195317	1772	742	67 211327	1011	1032	85 235099	821	1294	125 199866	277	906	100 145754	6
7	262	315	20 161940	1837	649	13 195973	1910	720	50 212084	996	1024	90 235060	803	1298	125 199741	275	877	96 145372	7
8	242	400	29 162960	2000	709	12 196961	1989	694	81 214311	989	1118	90 235047	776	1311	125 199827	273	893	96 135074	8
9	246	476	18 163890	2219	689	67 197611	1969	743	64 216264	987	1131	95 235093	769	1286	125 199949	270	910	95 135116	9
10	202	450	33 162733	2551	650	33 199797	1738	796	78 219863	975	1179	95 235080	743	1303	125 199123	268	899	95 135079	10
11	168	420	18 162729	3271	709	19 200291	1483	792	64 221766	970	1135	100 235070	729	1299	120 199796	266	879	95 134286	11
12	164	425	36 163660	4004	804	46 200914	1310	713	65 219241	946	1091	100 235063	726	1247	120 199718	263	945	95 133847	12
13	167	430	30 165071	4800	1000	66 200184	1194	702	65 219888	940	1120	105 235068	717	1261	120 199806	259	909	95 133130	13
14	1607	490	38 167927	5748	1119	50 200119	1119	727	65 220207	938	1196	105 235048	705	1272	120 199809	253	876	95 133005	14
15	1467	420	18 162729	6871	1209	19 200291	1483	792	64 221766	970	1135	100 235070	699	1299	120 199796	250	879	95 134286	15
16	1447	381	41 174278	8060	1289	13 200914	1310	713	65 219241	946	1091	100 235063	691	1272	115 199827	248	889	95 133847	16
17	1292	300	37 171188	943	741	36 200519	1183	702	65 220202	930	1268	115 235068	686	1201	115 199809	243	788	90 132997	17
18	1302	383	41 172642	910	771	32 200910	1176	746	65 220736	922	1258	115 235066	683	1219	115 199809	240	779	90 134738	18
19	1447	381	41 174278	8060	1289	13 200914	1310	713	65 219241	946	1091	100 235063	680	1173	115 235069	244	1215	115 112864	19
20	1503	300	50 175988	822	752	37 201042	1245	697	70 224271	910	1220	120 234448	647	1248	115 199809	239	741	90 132330	20
21	1594	600	48 177204	875	744	64 201175	1209	693	70 225515	843	1235	120 235011	643	1253	115 199809	234	697	90 131232	21
22	1641	727	43 179432	830	732	68 201175	1207	747	70 226099	764	1267	125 234955	632	1234	110 199809	230	689	90 130778	22
23	1623	717	30 181170	821	726	65 201175	1198	781	75 226092	747	1244	125 234921	617	1189	110 199809	217	659	90 130710	23
24	1663	600	49 182979	847	661	62 201442	1174	796	70 227006	730	1251	125 234950	609	1167	110 199809	215	665	90 130468	24
25	1533	600	48 184500	800	640	68 201843	1167	803	70 228189	708	1235	125 234927	598	1169	110 199809	213	613	85 117207	25
26	1454	649	41 186095	801	734	70 202174	1154	830	75 229793	699	1133	130 234139	590	1175	110 199809	212	580	85 116028	26
27	1484	616	41 187791	802	809	68 202974	1141	779	74 230072	678	1184	130 234973	584	1176	105 199809	209	589	85 116145	27
28	1342	686	43 188993	1156	963	64 203274	1139	794	75 230768	668	1190	130 234960	580	1139	105 199809	207	535	80 114438	28
29	1306	767	56 189861	1207	972	63 203975	1104	818	75 232007	669	1197	130 234976	589	1105	105 199809	204	556	80 113878	29
30	1201	811	34 190915	1247	916	62 205010	1097	850	75 232968	613	1216	130 235022	597	1120	105 199809	200	466	80 113189	30
31	1219	802	42 191946	1260	846	75 205097	1090	846	75 232997	606	1209	130 235022	597	1120	105 199809	200	466	80 113189	31
CFR	34761	16075	1202	32942	24946	1661	39837	23663	2271	28232	24187	3230	12007	30663	3630	7463	24067	2625	CFR
APR	68047	20916	2037	66146	49480	3383	70815	48915	4024	52305	61829	6487	24807	74487	7000	15201	47716	3663	APR