

KERN RIVER

1992



Prepared for:

ED STEINMETZ

1992
HYDROGRAPHIC ANNUAL REPORT

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**HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT**

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
Measurements and Estimates were not made prior to September 29, 1893...																	
1893	acre-feet mean s.f.d.										32,864	30,827	31,757				
1894	acre-feet mean s.f.d.	40,647	39,816	61,548	88,974	98,801	64,564	43,061	20,585	14,759	17,179	14,501	28,911	533,326			
1895	acre-feet mean s.f.d.	661	717	1,001	1,495	1,907	1,085	700	334	248	279	244	470		2,208	172	737
		49,769	68,521	84,456	162,071	269,635	172,890	91,133	38,672	20,452	20,091	20,604	24,758	1,023,052			
		809	1,252	1,374	2,724	4,389	2,906	1,482	629	344	327	346	403		5,583	276	1,413
1896	acre-feet mean s.f.d.	45,951	35,510	58,494	57,864	86,174	146,124	82,760	29,885	18,081	16,401	21,108	21,360	619,692			
		747	617	951	972	1,401	2,456	1,346	486	304	267	355	347		3,811	223	854
1897	acre-feet mean s.f.d.	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			
		373	809	923	2,914	4,580	2,309	1,008	469	288	340	355	422		5,342	260	1,234
1898	acre-feet mean s.f.d.	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			
		363	434	388	710	735	551	244	120	118	160	166	199		1,342	80	348
1899	acre-feet mean s.f.d.	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			
		263	302	590	893	835	1,331	489	156	105	180	221	278		4,932	86	468
1900	acre-feet mean s.f.d.	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			
		362	280	413	472	1,111	1,283	392	144	166	160	349	373		1,969	101	459
1901	acre-feet mean s.f.d.	30,337	47,760	78,109	83,180	186,448	197,792	114,613	59,536	20,535	19,468	22,429	19,874	880,089			
		493	860	1,270	1,398	3,032	3,324	1,864	968	345	317	377	323		4,419	226	1,216
1902	acre-feet mean s.f.d.	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			
		283	371	790	1,805	1,787	2,165	706	312	197	199	281	269		3,758	160	763
1903	acre-feet mean s.f.d.	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			
		350	454	579	1,249	2,148	2,340	868	303	191	174	203	201		3,374	150	755
1904	acre-feet mean s.f.d.	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			
		195	346	667	1,005	1,841	1,746	646	467	267	438	286	241		3,167	156	679
1905	acre-feet mean s.f.d.	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			
		281	396	823	1,043	1,915	2,231	876	327	211	207	236	261		3,247	195	735
1906	acre-feet mean s.f.d.	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			
		683	626	2,063	2,910	5,859	7,704	6,503	2,299	973	609	503	618		9,684	222	2,825
1907	acre-feet mean s.f.d.	41,897	56,834	83,272	197,720	199,950	183,995	97,083	41,940	24,623	22,428	19,747	21,611	960,900			
		678	1,023	1,354	3,323	3,252	3,092	1,579	682	414	385	332	351				1,368
1908	acre-feet mean s.f.d.	27,878	32,481	65,079	79,320	79,418	60,305	41,951	32,378	21,763	21,487	18,206	18,337	496,503			
		453	565	1,058	1,333	1,292	1,013	681	527	368	349	306	298				687
1909	acre-feet mean s.f.d.	118,441	125,050	128,949	247,402	362,617	394,086	194,870	66,224	43,448	31,214	34,350	72,292	1,838,643			
		1,926	2,252	2,092	4,158	6,223	6,623	3,169	1,077	730	508	577	1,176		11,870	295	2,540
1910	acre-feet mean s.f.d.	73,523	48,904	85,085	102,883	127,733	79,464	42,046	24,216	17,201	18,976	18,881	19,999	658,911			
		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-foot	38,241	53,844	80,166	138,113	184,481	222,076	156,488	45,880	25,222	25,422	21,661	21,650	1,013,384	—	—	—
	mean s.f.d.	622	971	1,304	2,321	3,000	3,732	2,545	746	424	413	365	352	—	5,383	273	1,400
1912	acre-foot	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	188	192	—	3,220	147	534
1913	acre-foot	13,019	15,731	25,191	42,494	73,561	60,738	34,929	31,454	25,357	13,402	15,368	16,596	367,840	—	—	—
	mean s.f.d.	212	283	410	714	1,196	1,021	568	512	426	218	258	270	—	1,976	126	508
1914	acre-foot	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-foot	22,500	30,254	48,536	80,916	124,508	172,324	77,496	24,668	16,457	14,452	14,858	19,320	646,267	—	—	—
	mean s.f.d.	368	545	789	1,360	2,025	2,896	1,260	401	277	235	250	314	—	4,249	203	891
1916	acre-foot	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	8,098	7,693	6,583	3,662	923	568	679	519	526	—	17,962	274	3,481
1917	acre-foot	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-foot	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-foot	21,088	23,002	37,973	86,574	140,215	81,944	34,364	16,288	11,722	13,935	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-foot	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	2,594	2,316	825	365	251	270	328	337	—	4,456	196	827
1921	acre-foot	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-foot	30,982	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-foot	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	1,995	1,387	908	363	303	252	241	225	—	3,275	179	691
1924	acre-foot	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-foot	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-foot	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-foot	20,485	75,279	73,083	100,362	184,721	161,153	75,544	26,817	14,842	14,037	27,180	18,140	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-foot	18,452	17,818	32,668	37,757	76,895	60,344	19,716	9,189	6,593	8,792	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-foot	13,864	14,654	25,176	39,084	85,995	63,487	30,988	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-foot	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	41,887	24,262	8,493	6,302	6,880	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	39,598	68,647	111,273	154,742	166,404	94,013	28,243	13,583	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	10,662	10,883	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	17,183	11,363	11,962	11,905	12,877	474,128	—	—	—
	mean s.f.d.	241	333	404	1,194	1,698	2,246	688	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	798,447	—	—	—
	mean s.f.d.	240	814	933	2,643	3,588	2,303	1,104	536	242	251	266	281	—	4,173	194	1,067
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	492	447	418	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	569	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	18,928	13,234	14,870	16,007	27,723	789,088	—	—	—
	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	27,961	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	178,754	81,529	30,284	16,500	14,848	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	198,738	254,785	155,650	86,011	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	81,593	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	1,286
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	60,359	110,325	57,778	21,118	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	9,566	11,220	329,508	—	—	—
	mean s.f.d.	219	231	264	739	1,400	1,320	510	161	116	145	161	182	—	—	—	—
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	—	—	—	—
1950	acre-foot	17,119	39,761	37,087	76,155	98,483	90,367	34,901	12,179	10,363	9,955	96,968	77,992	601,360	—	—	—
	mean s.f.d.	278	716	603	1,280	1,602	1,519	588	188	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-foot	32,975	30,018	35,101	48,914	85,039	88,990	38,941	12,966	7,793	9,384	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-foot	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-foot	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-foot	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-foot	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-foot	82,943	49,993	62,767	97,553	159,683	168,876	99,529	41,141	21,370	23,397	17,042	18,568	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-foot	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-foot	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-foot	20,592	22,258	33,274	40,566	39,945	32,061	19,013	10,094	9,852	9,699	10,419	11,215	257,978	—	—	—
	mean s.f.d.	335	401	541	682	650	539	293	164	166	158	175	182	—	844	104	356
1960	acre-foot	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-foot	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-foot	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	208	194	—	3,604	144	664
1963	acre-foot	27,783	101,595	42,964	66,412	137,839	163,944	105,364	47,008	28,883	27,291	25,837	23,470	801,450	—	—	—
	mean s.f.d.	452	1,829	699	1,167	2,242	2,755	1,714	765	485	444	434	382	—	15,584	160	1,107
1964	acre-foot	19,943	17,119	25,146	42,946	61,521	54,658	23,803	14,097	9,025	9,150	14,939	46,919	339,266	—	—	—
	mean s.f.d.	324	298	409	722	1,001	919	387	229	152	149	251	763	—	4,683	120	467
1965	acre-foot	46,766	31,702	36,359	80,043	131,980	149,357	95,268	49,105	22,036	17,631	29,542	30,551	720,362	—	—	—
	mean s.f.d.	781	571	591	1,345	2,146	2,510	1,550	799	370	287	496	497	—	3,322	226	995
1966	acre-foot	29,272	22,439	39,108	66,779	82,336	45,431	23,347	16,141	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-foot	63,580	65,831	86,200	99,509	269,631	311,063	243,802	94,634	55,255	36,230	34,548	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-foot	34,052	40,354	48,303	65,594	87,991	64,054	30,690	20,800	11,468	13,599	16,982	19,585	453,760	—	—	—
	mean s.f.d.	554	702	794	1,102	1,431	1,076	489	335	193	221	285	319	—	1,923	155	625
1969	acre-foot	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	566	586	555	—	24,216	344	3,400
1970	acre-foot	66,480	41,419	59,917	63,513	110,057	95,700	50,198	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-foot	34,143	30,980	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	181	188	237	311	—	1,895	125	590
1972	acre-foot	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-foot	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	—	5,896	220	1,353
1974	acre-foot	50,337	29,873	74,247	114,113	183,733	167,740	69,580	38,991	23,532	21,953	19,904	23,603	818,608	—	—	—
	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-foot	21,521	26,725	42,815	46,602	147,001	140,660	51,917	22,625	17,133	16,209	15,049	16,310	584,567	—	—	—
	mean s.f.d.	350	481	696	783	2,391	2,364	844	368	288	264	253	265	—	3,783	164	780
1976	acre-foot	16,308	16,984	23,074	25,924	47,151	20,830	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-foot	13,456	13,704	14,765	23,391	25,630	35,655	10,973	10,979	7,815	8,146	8,458	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-foot	48,598	118,432	175,484	181,700	363,157	354,825	194,693	74,001	61,696	29,562	26,874	28,485	1,653,505	—	—	—
	mean s.f.d.	758	2,098	2,854	3,054	5,906	5,963	3,166	1,204	1,037	481	452	463	—	10,901	350	2,284
1979	acre-foot	34,082	41,825	72,299	102,079	164,935	108,112	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	1,793	760	443	329	322	316	313	—	3,540	229	929
1980	acre-foot	145,545	168,887	139,820	211,608	287,825	282,877	208,715	78,143	35,066	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-foot	28,709	34,782	45,608	69,320	91,914	65,817	25,630	17,389	13,222	14,781	16,922	23,189	449,263	—	—	—
	mean s.f.d.	467	628	742	1,165	1,495	1,106	417	283	222	240	318	377	—	2,211	157	621
1982	acre-foot	37,682	52,996	78,724	212,963	254,985	198,748	130,098	61,958	61,716	48,308	57,116	77,849	1,271,139	—	—	—
	mean s.f.d.	613	854	1,280	3,579	4,147	3,340	2,116	1,008	1,037	753	980	1,268	—	9,075	389	1,756
1983	acre-foot	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-foot	76,054	60,926	82,738	61,359	161,613	93,114	77,046	49,688	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-foot	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	968	2,290	2,387	1,678	673	390	266	268	375	552	—	3,353	208	929
1986	acre-foot	42,668	149,666	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	3,488	4,771	4,433	1,974	930	446	461	426	382	—	8,266	313	1,996
1987	acre-foot	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-foot	22,677	19,815	30,210	39,584	58,350	43,140	20,989	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-foot	15,947	23,528	67,430	91,380	71,849	49,823	21,378	13,010	10,213	10,824	10,707	10,949	367,038	—	—	—
	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-foot	12,916	13,127	23,048	32,019	38,600	29,345	13,380	8,386	6,428	8,834	8,340	9,148	203,571	—	—	—
	mean s.f.d.	210	236	375	538	628	493	218	136	108	144	140	149	—	845	78	281

**HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT**

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1991	acre-feet	10,931	9,215	47,341	58,092	79,763	100,423	38,265	14,854	11,040	9,358	13,940	13,067	408,289	—	—	—
	mean s.f.d.	176	168	770	976	1,297	1,888	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

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

YEAR: 1992

October 1893 to Date...

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
Mean Monthly Flow (acre-feet)	35,852	42,668	64,009	99,110	155,165	138,763	71,273	30,975	18,307	17,522	19,791	27,752	721,187
Mean Monthly Flow (second foot days)	583	761	1,041	1,666	2,524	2,332	1,159	504	308	285	333	451	995
Maximum Monthly Flow (acre-feet)	178,493	202,510	378,116	481,749	617,968	571,846	399,841	154,935	68,503	53,300	96,968	313,811	
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	
Number Months of Record	99	99	99	99	99	99	99	99	99	100	100	100	
Cumulative Monthly Flow (All Months - acre-feet)	3,549,320	4,224,153	6,336,937	9,811,923	15,361,343	13,737,520	7,055,985	3,066,527	1,812,346	1,752,170	1,979,120	2,775,219	
Median Monthly Flow (acre-feet)	22,905	30,450	45,967	74,721	117,874	111,187	47,833	21,659	13,851	14,461	15,997	19,472	536,377
Median Monthly Flow (second foot days)	373	543	748	1,256	1,917	1,869	778	352	233	235	269	317	740

MEAN APRIL - JULY RUNOFF TO DATE = 464,311 AcFt MEAN MARCH - OCTOBER RUNOFF TO DATE = 595,124 AcFt
 MEDIAN APRIL - JULY RUNOFF TO DATE = 351,615 AcFt MEDIAN MARCH - OCTOBER RUNOFF TO DATE = 447,553 AcFt

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

Year: 1992

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	451	738	863	1,289	2,059	2,700	1,675	713	365	301	293	354
2	441	689	900	1,290	2,088	2,668	1,653	688	359	299	291	356
3	430	646	984	1,311	2,132	2,653	1,629	672	350	296	288	372
4	432	600	955	1,306	2,205	2,644	1,601	656	340	293	285	398
5	457	590	962	1,341	2,256	2,651	1,541	631	357	285	288	513
6	447	658	921	1,370	2,310	2,666	1,493	616	367	293	287	1,170
7	434	797	888	1,393	2,349	2,670	1,443	601	342	283	290	538
8	435	736	908	1,419	2,396	2,653	1,394	587	329	290	288	435
9	432	787	1,004	1,447	2,435	2,605	1,349	573	319	290	288	442
10	445	755	1,013	1,475	2,461	2,587	1,309	566	309	285	293	445
11	463	688	981	1,583	2,460	2,546	1,267	557	305	283	306	414
12	533	706	954	1,600	2,458	2,524	1,239	544	310	279	311	419
13	557	823	975	1,592	2,483	2,502	1,215	517	300	279	305	399
14	666	770	991	1,610	2,516	2,459	1,195	500	290	275	308	382
15	569	773	958	1,632	2,538	2,418	1,157	494	289	276	306	380
16	576	768	993	1,678	2,558	2,365	1,130	491	284	276	308	375
17	566	796	1,019	1,699	2,590	2,330	1,092	479	282	283	313	380
18	654	910	1,084	1,730	2,630	2,293	1,063	476	280	280	326	373
19	613	899	1,069	1,775	2,673	2,256	1,032	475	274	280	476	367
20	574	815	1,057	1,823	2,671	2,220	1,011	461	274	282	418	364
21	585	791	1,094	1,864	2,671	2,191	976	441	275	280	365	373
22	689	774	1,076	1,898	2,678	2,158	944	422	274	278	353	398
23	698	777	1,080	1,910	2,662	2,111	928	412	273	278	355	545
24	707	778	1,092	1,926	2,670	2,042	927	398	273	277	383	493
25	943	806	1,138	1,944	2,698	1,980	889	388	291	274	384	492
26	902	808	1,172	1,971	2,750	1,910	864	377	335	282	361	467
27	755	816	1,209	1,987	2,762	1,865	845	377	307	287	380	494
28	712	809	1,218	2,024	2,765	1,816	814	380	290	289	374	468
29	629	863	1,221	2,035	2,781	1,764	779	380	297	288	360	452
30	608	-	1,226	2,046	2,771	1,713	755	376	290	294	395	493
31	672	-	1,266	-	2,753	-	725	368	-	299	-	441
TOTAL	18,075	21,512	32,271	49,968	78,229	69,960	35,934	15,616	9,230	8,834	9,978	13,992
MAXIMUM DAY	943	910	1,266	2,046	2,781	2,700	1,675	713	367	301	476	1,170
MINIMUM DAY	430	590	863	1,289	2,059	1,713	725	368	273	274	285	354
MEAN	583	761	1,041	1,666	2,524	2,332	1,159	504	308	285	333	451
TOTAL AC.F.T.	35,852	42,668	64,009	99,110	155,165	138,763	71,273	30,975	18,307	17,522	19,791	27,752
WHOLE YEAR:- TOTAL,	363,599	MAXIMUM	2,781	MINIMUM	273	MEAN,	995	TOTAL AC.F.T.,	721,187			

Note:- February total reflects adjustment for Leap Year.

KERN RIVER HISTORICAL REGULATED FLOWS AT FIRST POINT OF MEASUREMENT (1954 to Date)
QUANTITIES IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1954	22,019	30,361	44,575	79,089	80,539	81,189	61,059	39,830	22,114	14,450	17,500	17,595	510,320
1955	19,795	22,058	34,871	38,874	48,188	72,198	43,259	25,065	12,938	10,389	13,599	26,743	387,783
1956	41,377	40,326	62,779	49,291	94,987	115,428	124,007	96,489	52,098	42,294	16,990	16,534	755,500
1957	17,958	22,425	34,935	39,677	52,885	96,486	70,175	39,943	22,471	17,282	13,795	17,847	445,859
1958	19,137	28,175	42,125	78,472	131,421	181,305	187,890	143,722	61,519	49,825	25,095	18,825	987,511
1959	20,811	20,991	37,767	29,936	27,463	94,028	59,917	22,699	10,524	8,700	9,786	10,643	353,165
1960	12,516	17,405	24,044	25,041	47,986	81,481	13,154	26,386	13,154	10,483	13,803	12,798	324,088
1961	11,280	10,736	14,017	16,318	16,780	19,321	25,222	21,316	13,404	7,287	9,281	12,121	177,063
1962	13,121	27,435	44,838	95,445	87,187	112,437	113,318	40,778	26,164	22,623	12,448	12,054	607,848
1963	12,067	24,175	32,959	38,914	54,756	80,063	127,710	118,179	66,368	64,828	31,174	23,044	876,237
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	361,824
1965	35,784	35,907	41,363	39,399	61,313	85,934	96,236	75,497	52,397	47,220	34,356	28,877	634,303
1966	29,978	22,752	50,933	44,634	37,289	67,486	68,338	51,110	19,535	14,739	15,265	82,447	504,508
1967	146,180	40,516	57,923	82,732	190,249	200,743	183,566	240,154	146,508	85,002	56,799	35,482	1,495,855
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	487,028
1969	50,499	108,247	237,265	378,817	332,015	374,787	263,903	221,738	121,359	102,494	90,523	34,122	2,313,769
1970	42,299	32,206	52,489	60,101	53,698	86,904	94,112	88,421	35,667	21,285	18,228	15,844	601,254
1971	25,878	35,520	48,599	30,809	31,950	57,322	82,128	64,643	23,520	12,184	12,839	17,169	442,051
1972	19,527	22,094	32,130	29,760	32,410	44,965	47,968	31,579	11,560	10,286	12,460	16,524	311,291
1973	21,356	26,214	38,878	68,541	97,172	143,554	161,028	102,690	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	95,187	108,932	89,738	34,139	17,072	15,108	15,213	572,081
1976	14,890	19,008	31,789	23,609	28,901	52,300	54,190	30,742	21,828	19,440	12,946	11,341	320,784
1977	14,051	14,380	15,925	18,778	17,431	25,813	32,951	21,888	8,765	7,660	8,287	14,773	200,702
1978	26,132	50,285	49,222	48,450	266,073	236,549	198,587	146,660	73,234	93,088	70,927	30,458	1,390,675
1979	32,549	31,793	45,903	46,508	62,557	109,987	126,343	107,605	32,267	22,792	18,855	18,909	656,068
1980	55,978	81,590	157,503	185,089	167,415	194,134	238,716	200,338	106,516	82,893	61,844	28,838	1,590,952
1981	25,482	27,013	40,594	41,768	46,348	78,405	80,906	51,310	14,315	14,324	18,428	21,578	460,469
1982	30,363	43,374	49,110	57,060	86,469	155,508	166,492	156,341	88,411	104,122	101,403	82,435	1,121,088
1983	57,568	71,165	152,862	286,005	370,706	419,760	387,505	176,194	153,814	117,233	97,616	90,549	2,381,575
1984	84,280	98,988	68,614	49,793	67,327	89,409	110,785	96,734	43,180	41,726	37,420	28,986	834,936
1985	40,133	48,696	53,821	56,358	72,506	98,757	111,385	77,728	34,973	25,305	20,333	24,208	668,971
1986	31,277	39,039	95,946	172,221	205,204	233,197	193,767	141,114	67,569	82,792	45,227	24,208	1,331,561
1987	24,117	28,919	43,408	44,894	43,609	66,424	73,047	42,545	18,589	15,824	14,269	14,664	432,309
1988	20,793	28,906	35,036	33,769	31,815	50,995	60,458	28,346	13,529	9,025	10,318	14,483	335,473
1989	16,869	21,568	32,092	36,575	39,632	56,527	55,765	36,204	14,241	12,773	10,788	13,739	348,773
1990	12,928	16,124	25,071	24,422	25,454	30,034	31,129	21,519	8,885	8,979	8,037	8,925	219,501
1991	10,627	9,112	27,814	26,937	30,539	62,997	63,654	48,196	12,460	11,353	13,381	14,394	333,494
1992	13,593	20,711	25,451	25,777	33,548	38,600	40,987	31,928	10,195	7,789	10,393	13,880	272,822
MAX. MONTH	146,180	106,247	237,265	378,817	370,706	419,760	387,505	240,154	153,814	117,233	101,403	90,549	2,381,575
MIN. MONTH	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	1,183,218	1,350,463	2,050,186	2,665,578	3,268,948	4,353,319	4,258,825	3,155,339	1,610,415	1,342,121	1,071,829	979,492	27,288,733
ACFT AVE.	30,339	34,927	52,569	66,348	83,819	111,924	109,201	80,906	41,293	34,413	27,483	25,115	699,737
S.F.D. AVE.	493	618	855	1,149	1,363	1,876	1,776	1,316	664	560	462	408	966
% OF TOTAL	4.33%	4.95%	7.51%	9.77%	11.98%	15.95%	15.61%	11.56%	5.90%	4.92%	3.93%	3.59%	100.00%

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	6.69
1951-52	0.35	0.47	4.77	5.62	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	9.06
1953-54	0.13	0.90	0.78	1.88	2.26	2.13	0.06	0.07	0.00	0.00	0.00	0.02	8.23
1954-55	0.00	0.80	1.30	2.47	1.05	0.00	0.67	0.78	0.00	0.00	0.00	0.00	7.07
1955-56	0.00	1.34	4.01	4.25	0.26	0.03	1.51	0.43	0.00	0.20	0.00	0.00	12.03
1956-57	0.42	0.00	0.17	1.88	0.96	0.84	0.72	1.03	0.01	0.02	0.00	0.00	6.05
1957-58	0.19	0.33	1.63	3.09	4.45	3.63	2.77	0.24	0.00	0.00	0.05	0.20	16.56
1958-59	0.17	0.48	0.02	0.64	1.54	0.08	0.45	0.07	0.00	0.00	0.00	0.34	3.79
1959-60	0.00	0.00	0.97	1.77	6.48	0.43	1.28	0.34	0.00	0.00	0.00	0.07	11.34
1960-61	0.12	1.26	0.12	0.50	0.01	1.59	0.51	0.16	0.11	0.02	1.20	0.00	5.60
1961-62	0.00	2.15	0.79	2.55	5.35	1.26	0.00	0.08	0.00	0.00	0.00	0.00	12.18
1962-63	0.03	0.00	0.00	1.52	3.06	2.06	1.07	0.13	0.72	0.00	1.16	1.16	10.91
1963-64	2.02	1.20	0.46	0.97	0.07	1.93	0.84	0.10	0.03	0.00	0.01	0.00	7.63
1964-65	0.47	1.82	3.99	1.75	0.27	1.21	2.58	0.18	0.13	0.39	0.50	0.20	13.49
1965-66	0.00	2.76	2.37	0.68	0.75	0.22	0.80	0.00	0.00	0.00	0.80	0.00	7.56
1966-67	0.00	1.09	11.53	2.49	0.02	0.63	2.75	0.18	0.24	0.30	0.23	1.63	21.09
1967-68	0.00	1.41	1.85	0.82	0.85	1.56	0.77	0.01	0.00	0.01	0.11	0.00	7.36
1968-69	0.35	1.28	1.65	9.56	6.12	1.14	0.95	0.35	0.34	0.27	0.00	0.10	22.11
1969-70	0.07	0.56	0.24	3.91	0.54	1.89	0.43	0.06	0.00	0.02	0.01	0.00	7.67
1970-71	0.04	3.47	2.20	0.54	0.37	0.45	0.68	0.89	0.00	0.06	0.54	0.00	9.22
1971-72	0.05	0.47	3.04	0.00	0.39	0.00	0.37	0.05	0.80	0.00	0.34	0.00	5.54
1972-73	0.66	3.13	2.48	3.98	2.57	2.65	0.25	0.25	0.00	0.00	0.00	0.00	15.95
1973-74	0.11	1.26	1.25	2.75	0.08	2.00	1.95	0.39	0.00	0.78	0.00	0.00	10.56
1974-75	2.30	0.10	2.41	0.65	1.82	2.77	0.49	0.04	0.00	0.00	0.03	1.85	12.46
1975-76	0.41	0.22	0.07	0.02	1.25	1.61	0.86	0.05	0.00	0.41	0.00	5.20	10.10
1976-77	0.23	0.07	0.62	1.50	1.04	0.75	0.00	0.91	0.39	0.00	0.87	0.00	6.38
1977-78	0.02	0.17	5.02	4.51	6.96	3.46	0.87	0.00	0.00	0.03	0.00	1.33	22.37
1978-79	0.02	0.39	0.74	3.24	3.22	2.54	0.00	0.19	0.00	0.03	0.14	0.93	11.44
1979-80	0.95	0.33	0.34	7.71	4.32	1.85	0.51	0.55	0.00	0.00	0.00	0.00	16.56
1980-81	0.09	0.01	0.63	2.65	1.49	3.05	0.23	0.34	0.00	0.00	0.00	0.04	8.53
1981-82	1.05	1.17	1.16	4.04	1.15	4.27	1.59	0.01	0.04	0.00	0.13	0.71	15.32
1982-83	0.78	3.14	3.78	4.31	4.36	5.96	0.58	0.09	0.00	0.00	1.14	0.20	24.34
1983-84	0.63	3.49	3.56	0.00	1.13	0.27	0.51	0.00	0.02	2.01	0.63	0.00	12.25
1984-85	0.62	2.80	1.93	0.68	1.16	1.71	0.03	0.00	0.00	0.00	0.00	0.15	9.18
1985-86	0.10	2.27	1.43	2.94	3.56	3.56	0.10	0.00	0.00	0.00	0.27	0.00	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	6.65
1987-88	0.62	0.67	1.36	1.80	0.40	2.28	1.41	0.04	0.05	0.51	0.00	0.00	7.78
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	0.28	0.02	0.00	0.00	0.35	4.48
1990-91	0.01	0.61	0.74	0.99	1.17	4.24	0.03	0.09	0.00	0.00	0.01	0.19	8.08
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	2.60	4.08									
AVERAGE	0.34	1.17	1.87	2.94	1.91	1.71	0.72	0.22	0.08	0.13	0.19	0.37	11.01
MAXIMUM	2.30	3.49	11.53	9.56	6.96	5.96	2.77	1.03	0.80	2.01	1.20	5.20	24.34
DAILY MAXIMUM	0.96	2.65	5.20	2.15	3.40	1.72	1.45	0.75	0.50	0.88	1.01	3.09	3.09
DATE OF OCCURRENCE	10/17/63	11/20/60	12/05/66	01/25/69	02/01/60	03/04/91	04/02/74	05/19/67	06/08/72	07/16/64	08/08/63	08/30/76	

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

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1956	46.6	43.7	52.5	55.6	65.0	74.0	79.8	76.2	74.7	59.1	53.7	46.8	60.6
1957	40.6	52.5	52.0	58.1	62.8	77.3	81.9	78.4	73.5	59.3	49.8	46.9	61.1
1958	46.3	49.3	47.6	56.1	68.7	72.2	79.7	82.8	74.9	67.3	52.1	50.8	62.3
1959	47.6	46.1	56.5	64.1	62.8	77.2	86.4	79.9	70.7	65.4	55.6	47.3	63.3
1960	41.7	45.8	55.6	57.2	63.6	79.8	83.0	80.0	76.0	61.6	50.9	45.3	61.7
1961	48.0	50.0	50.7	59.5	62.0	79.4	84.5	81.3	71.2	62.3	49.6	44.7	61.9
1962	44.7	46.4	48.0	61.3	60.9	73.4	79.6	79.0	74.4	63.2	53.0	47.8	61.0
1963	44.0	52.7	48.6	50.2	63.5	68.2	76.7	76.1	74.3	62.7	51.0	46.1	59.5
1964	43.3	44.8	47.2	53.6	60.6	70.5	79.4	78.8	70.1	66.8	48.6	47.2	59.2
1965	46.1	47.9	49.6	54.1	60.7	67.1	77.3	76.8	66.5	64.4	51.8	43.6	58.8
1966	41.9	43.8	52.4	60.7	68.0	73.3	77.8	79.5	72.4	62.2	51.2	44.4	60.6
1967	44.4	47.9	50.9	45.4	62.6	69.2	80.9	82.1	72.3	63.9	56.4	39.7	59.6
1968	42.8	52.2	53.0	55.7	63.6	74.4	80.6	74.8	71.9	61.0	50.8	40.7	60.1
1969	44.0	42.4	48.1	54.3	65.9	69.6	78.9	79.4	73.1	57.6	53.3	45.0	59.3
1970	45.6	50.4	49.9	51.0	65.8	72.7	81.6	80.1	69.6	60.1	52.4	41.3	60.0
1971	43.4	44.8	50.6	52.5	58.3	70.7	79.7	79.7	70.9	56.4	48.6	38.8	57.9
1972	42.0	49.1	56.1	56.1	65.6	73.5	80.5	76.1	68.2	56.8	45.7	39.6	59.1
1973	40.3	45.7	42.8	53.0	64.9	73.1	76.9	74.8	68.5	59.1	46.9	44.9	57.6
1974	41.3	44.6	49.4	51.2	62.2	72.5	76.6	76.2	74.2	61.4	50.0	45.0	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	41.0	56.9
1976	44.2	45.7	47.4	50.6	65.7	71.2	77.5	70.5	68.3	60.3	53.6	44.5	58.3
1977	42.8	48.4	43.8	57.5	55.4	74.0	77.6	77.2	70.0	62.3	51.1	47.3	59.0
1978	44.3	46.1	53.1	50.9	60.4	71.7	76.7	76.8	67.6	65.3	47.2	39.7	58.3
1979	40.7	41.7	48.5	60.6	63.2	71.4	75.9	72.6	74.0	61.8	50.0	48.4	59.1
1980	47.5	49.1	46.5	54.8	57.7	66.8	77.8	75.3	69.2	63.2	52.4	49.0	59.1
1981	48.3	49.5	47.7	57.0	63.6	76.0	79.1	79.7	73.2	56.9	52.9	47.1	60.9
1982	41.8	47.8	47.4	52.5	63.6	68.6	75.6	77.1	68.5	59.2	48.6	43.2	57.8
1983	45.2	47.2	48.5	49.9	61.4	69.2	73.0	75.7	74.0	61.3	50.2	46.1	58.5
1984	47.0	46.6	51.4	52.6	67.3	70.6	80.9	78.2	74.6	55.7	48.3	41.9	59.6
1985	43.2	45.7	46.5	59.3	62.9	75.1	79.9	75.3	65.1	59.0	47.0	44.5	58.6
1986	49.7	49.0	53.5	54.9	63.5	73.7	75.7	76.6	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	66.4	48.6	38.8	58.2
1988	42.3	48.5	50.8	55.1	59.6	70.3	80.2	77.9	72.5	66.1	50.3	43.1	59.7
1989	41.8	43.4	52.7	61.7	63.0	72.1	78.4	74.3	68.4	58.6	51.8	44.2	59.2
1990	42.5	42.6	50.7	57.9	61.7	71.9	80.1	74.9	69.6	62.7	49.4	37.4	58.5
1991	42.7	50.8	43.6	51.2	56.7	71.0	82.1	77.8	77.2	67.6	53.4	45.2	59.9
1992	43.4	49.2	52.4	62.5	71.7	73.3	79.1	81.3	74.5	64.8	51.3	42.0	62.1
Normal	43.9	47.1	49.7	55.2	62.9	72.4	78.9	77.4	71.4	61.5	50.7	44.1	59.6
Maximum	49.7	52.7	56.5	64.1	71.7	79.8	86.4	82.8	77.2	67.8	56.4	50.8	63.3
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

ISABELLA RESERVOIR EVAPORATION
April 1954 to Date

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	258	190	7,556
1956	407	788	1,444	1,797	3,330	5,496	6,084	5,484	4,183	2,056	1,650	897	33,616
1957	628	724	1,258	1,823	2,210	4,588	5,173	4,512	3,068	1,588	1,107	700	27,379
1958	593	494	734	2,043	4,470	6,462	7,720	6,843	4,729	3,521	1,603	1,307	40,519
1959	1,021	811	2,148	2,880	3,711	4,983	4,439	3,503	2,263	1,728	1,087	684	29,258
1960	323	466	1,099	1,505	2,287	3,372	2,720	2,128	1,379	783	341	280	16,683
1961	315	319	419	780	1,158	2,178	2,204	1,200	930	647	329	168	10,647
1962	188	182	446	1,105	2,307	4,128	4,840	4,084	2,880	1,694	916	770	23,530
1963	694	930	1,523	1,577	3,503	5,534	8,202	6,696	4,136	2,289	1,172	962	37,218
1964	916	1,105	1,418	2,162	3,221	4,584	4,842	3,915	2,836	2,057	849	635	28,540
1965	595	857	1,053	1,368	3,251	4,757	5,986	5,397	4,169	3,098	1,103	656	32,290
1966	843	833	1,555	2,624	4,159	5,117	5,246	4,576	2,821	1,819	767	928	31,288
1967	970	1,071	1,874	1,700	3,931	5,960	8,805	8,051	4,574	3,578	1,597	744	42,855
1968	801	930	1,380	2,511	4,243	5,574	5,258	4,048	3,239	1,954	991	476	31,405
1969	494	668	1,511	1,886	4,334	6,486	8,916	9,046	5,911	3,560	1,988	980	45,760
1970	885	1,289	1,935	2,593	4,954	6,051	6,959	6,376	4,597	3,010	1,623	619	40,891
1971	700	990	1,836	2,277	3,181	5,337	6,227	5,233	3,678	2,370	1,304	545	33,678
1972	729	1,000	1,807	2,045	3,096	3,512	4,154	2,703	1,816	1,059	524	355	22,800
1973	434	496	760	1,738	4,009	7,698	9,126	7,109	5,530	3,564	1,981	966	43,411
1974	825	1,347	1,622	3,023	6,119	9,055	9,630	8,904	7,073	3,308	1,864	1,166	53,936
1975	1,174	1,002	1,476	2,162	4,911	8,206	8,936	7,488	4,887	2,957	1,845	1,125	46,169
1976	1,468	1,291	1,952	2,537	4,552	5,226	4,560	3,261	2,108	1,609	984	702	30,250
1977	466	700	968	1,761	1,765	3,286	3,757	2,495	1,795	1,216	726	428	19,363
1978	343	621	1,597	2,698	5,891	9,253	10,969	9,945	6,020	5,115	2,049	996	55,497
1979	1,069	954	1,896	3,701	6,337	9,080	9,535	7,242	5,710	3,306	1,866	1,246	51,942
1980	1,047	1,375	2,229	3,715	4,943	8,289	10,374	10,171	6,637	4,544	2,446	1,565	57,335
1981	1,154	1,317	1,619	3,386	5,371	8,644	8,660	6,966	5,028	2,582	1,747	1,067	47,541
1982	827	1,093	1,333	3,172	6,563	8,180	10,967	9,418	5,732	4,086	1,769	1,053	54,193
1983	1,097	1,057	2,182	3,235	5,905	9,255	10,645	7,630	7,337	3,814	1,656	1,188	55,001
1984	1,624	1,547	2,545	3,594	7,055	8,327	7,914	7,142	6,085	3,642	1,642	1,103	52,220
1985	1,139	1,287	1,749	3,894	6,375	8,622	9,025	7,650	4,441	3,287	1,577	885	49,931
1986	1,119	1,150	2,323	4,740	7,436	10,088	10,933	10,276	6,361	3,866	2,329	1,206	61,827
1987	916	1,428	1,833	3,537	4,596	6,682	7,115	6,454	4,469	2,906	1,361	732	42,029
1988	823	1,178	1,962	2,132	3,148	4,141	4,667	3,318	2,493	1,777	865	500	27,004
1989	502	540	1,339	2,828	4,292	5,572	6,458	4,653	3,027	2,029	1,380	877	33,497
1990	667	649	1,148	1,755	2,705	3,713	3,993	2,872	2,035	1,609	797	480	22,423
1991	409	547	635	1,587	2,674	4,568	5,171	4,026	2,951	2,315	1,789	1,434	28,106
1992	1,137	1,016	1,295	2,218	3,459	4,132	4,542	4,024	2,910	1,862	1,285	1,238	29,118
Average	774	899	1,477	2,318	4,042	5,904	6,642	5,584	3,885	2,492	1,316	820	36,073

KERN RIVER IN REVIEW 1992

Introduction

Climatologists predicted the 1991-92 Water Year would be influenced by an El Niño event of moderate intensity. This ocean surface heating phenomenon can affect the development and progress of Pacific storms entering California. Rather than signal the outbreak of wet storms similar to those associated with the 1982-83 El Niño event, the 1991-92 winter weather pattern was characterized by the "split flow pattern of the jet stream". With few exceptions, as strong storm systems moved inland from the Pacific Ocean, the northern arm of the jet stream pushed these storm centers toward British Columbia. The southern branch directed the storm centers over the Los Angeles Basin, San Diego and Baja California, by-passing Central California and the Kern River watershed.

Precipitation data collected during the 1991-92 winter period was as misleading and complex as the weather patterns. Measured rainfall amounts for Bakersfield (Department of Water Resources) during the months of December 1991 to March 1992 were 170% of normal. Lake Isabella received 94% and Glennville 79% of normal precipitation over the same period. Seasonal precipitation (October 1, 1991 to April 30, 1992) on the Kern River watershed was 80% of normal.

Lack of spring 1992 precipitation placed a detrimental impact on the southern Sierra Nevada snowpack and Kern River runoff. April through June rainfall amounts were approximately 10% of normal for gauging stations located in the Kern drainage basin.

Kern River natural flow as measured at First Point near Bakersfield during the 1992 April-July snowmelt period amounted to 179,153 acre-feet, 39% of the 99-year average flow. The cumulative Kern River April-July runoff between 1987 and 1992 totalled 1,176,921 acre-feet, the driest six-year cycle of record. April through July volumes for the years of 1906, 1909, 1916, 1969 and 1983 each exceeded the 1987-92 total.

Precipitation

Monthly precipitation amounts in inches as recorded at selected Kern County stations during the 1991-1992 Water Year were as follows:

	Bakersfield-DWR (Elev. 403 ft.)			Isabella Dam (Elev. 2660 ft.)			Glennville (Elev. 3140 ft.)		
	<u>91-92</u>	<u>Ave.</u>	<u>% of Ave.</u>	<u>91-92</u>	<u>Ave.</u>	<u>% of Ave.</u>	<u>91-92</u>	<u>Ave.</u>	<u>% of Ave.</u>
Oct	0.28	0.30	93%	0.53	0.34	156%	1.29	0.75	172%
Nov	0.04	0.65	6%	1.30	1.17	111%	1.25	1.85	68%
Dec	1.13	0.65	174%	1.45	1.87	78%	1.49	2.96	50%
Jan	1.50	0.98	153%	1.02	2.34	44%	1.81	3.32	55%
Feb	2.05	1.07	192%	3.10	1.91	162%	4.24	2.99	142%
Mar	1.39	0.87	160%	1.82	1.71	106%	2.24	3.05	73%
Apr	0.00	0.70	0%	0.00	0.72	0%	0.12	2.06	6%
May	0.02	0.24	8%	0.12	0.22	55%	0.08	0.75	11%
Jun	0.00	0.07	0%	0.00	0.08	0%	0.00	0.18	0%
Jul	0.00	0.01	0%	0.00	0.13	0%	0.54	0.04	1350%
Aug	0.00	0.05	0%	0.00	0.19	0%	0.00	0.10	0%
Sep	0.00	0.13	0%	0.00	0.37	0%	0.00	0.37	0%
TOTAL	6.41	5.72	112%	9.34	11.01	85%	13.06	18.42	71%

The first storm period of the 1991-92 Water Year occurred October 26-28, depositing .53 inches of precipitation at Isabella and 1.24 inches in the Glennville area. November 1991 through January 1992 rainfall amounts were approximately 65% of normal throughout the southern Sierra Nevada mountains. Skies were clear over the Kern watershed between the 8th of January and 5th of February. During the remainder of February 1992, five storm periods affected the Kern drainage area, producing 140% of normal precipitation for the month. During March 1992, approximately 95% of normal precipitation was received on the Kern watershed.

During the period of October 1, 1991 through September 30, 1992, there were a total of 36 days of measurable precipitation at Isabella Reservoir, yielding a total of 9.34 inches. By comparison, during the 1982-83 Water Year, a total of 70 days of measurable precipitation were recorded at Lake Isabella, totalling 24.34 inches, the maximum of record.

Temperature

Isabella, California 1992 mean air temperatures (°F) with comparative averages were as follows:

	1992 <u>Actual</u>	<u>Average</u>	Variance from <u>Norm</u>		1992 <u>Actual</u>	<u>Average</u>	Variance from <u>Norm</u>
Jan	43.4	43.9	- 0.5	Jul	79.1	78.9	+0.2
Feb	49.2	47.1	+2.1	Aug	81.3	77.4	+3.9
Mar	52.4	49.7	+2.7	Sep	74.5	71.4	+3.1
Apr	62.5	55.2	+7.3	Oct	64.8	61.5	+3.3
May	71.7	62.9	+8.8	Nov	51.3	50.7	+0.6
Jun	73.3	72.4	+0.9	Dec	42.0	44.1	- 2.1

The mean annual temperature at Isabella, California for 1992 was 62.1° fahrenheit, the warmest experienced since 1959. Temperature extremes were 105° on August 12, 1992 and 25° on December 25, 1992.

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, 1992, with April 1st historical average water contents of same shown for comparison:

	Upper <u>Tyndall Creek</u>	Crabtree <u>Meadow</u>	Chagoopa <u>Plateau</u>	<u>Pascoe</u>	Wet <u>Meadow</u>	Tunnel <u>Guard</u>	Casa Vieja <u>Meadow</u>	Beach <u>Meadows</u>
April 1, 1992	12.7	9.0	17.0	22.2	16.1	8.2	13.7	3.9
April 1, Average	27.7	19.8	21.8	24.9	30.3	15.6	20.9	11.0

Snowpack water content decreased dramatically during April, the result of above normal temperatures and below normal precipitation. Kern River basin-wide snow water content fell from 12.8 inches on April 1st to only 3.6 inches or 15% of normal as of May 1st.

Forecasts

The State of California, Department of Water Resources issued the following forecasts of Kern River runoff into Isabella Reservoir for the 1992 April-July snowmelt period:

February 1, 1992:	36% of average (165,000 acre-feet)
March 1, 1992:	50% of average (230,000 acre-feet)
April 1, 1992:	46% of average (210,000 acre-feet)
May 1, 1992:	39% of average (180,000 acre-feet)

Runoff

Actual 1992 April-July Kern River inflow to Isabella Reservoir was **178,495** acre-feet (39% of average). Peak inflow occurred on May 13, 1992 at 1,596 cubic feet per second. Calendar year runoff at First Point of Measurement totaled **296,829** acre-feet, 41% of the long-term average and 55% of the historical median. The 1992 Kern River basin yield placed twelfth driest in 99 years of record and third driest of the last six years of below normal water supply conditions.

By month Kern River runoff as measured at First Point during 1992 with historical ranking (#1 is the lowest on record) was as follows:

	<u>Runoff in</u> <u>Acre-Feet</u>	<u>Rank</u>		<u>Runoff in</u> <u>Acre-Feet</u>	<u>Rank</u>
Jan	14,069	16	Jul	16,324	10
Feb	22,314	30	Aug	11,942	17
Mar	26,410	16	Sep	7,896	14
Apr	55,448	30	Oct	9,414	17
May	74,394	22	Nov	11,054	13
Jun	32,987	9	Dec	14,577	23

Storage

On January 1, 1992, Isabella Reservoir contained 89,654 acre-feet of water. Peak storage volume for 1992 was reached on June 5th, with 153,942 acre-feet. On December 31, 1992, **82,262** acre-feet remained in storage behind Isabella Dam, constituting 14% of the lake capacity and 56% of the 39-year average December 31st carryover storage volume of 146,976 acre-feet.

Operations

Kern River regulated flow during the 1992 calendar year amounted to **272,822** acre-feet, the fourth lowest annual total since completion of Isabella Reservoir and 39% of the 1954-1992 average regulated flow at First Point of Measurement of 699,737 acre-feet. Peak regulated flow occurred on July 31, 1992, with a mean daily discharge of 876 cubic feet per second.

The Kern River Watermaster, on behalf of Kern Delta Water District, North Kern Water Storage District and Buena Vista Water Storage District, arranged an agreement with Southern California Edison Company to allow for a portion of the water to which Southern California Edison Company is entitled to be withheld and stored in Isabella Reservoir. The "1992 Borel Power Flow Storage Program" was initiated on

April 3, 1992 and resulted in the storage of 13,425 acre-feet in Lake Isabella, which absent the program, would not have been available to meet summer irrigation demands.

The total water yield of the Kern River basin and its surface storage reservoir in acre-feet during 1992 is summarized as follows:

Kern River Computed Natural Flow	296,829	+
Isabella Reservoir Storage Withdrawal	7,385	+
Isabella Reservoir Evaporation	29,118	-
Kern River Diversion Above First Point	2,219	-
Rio Bravo Power Canal Refill	55	-
Kern River Regulated Flow at First Point	272,822	=

The delivery of Kern River water to canal and conveyance facilities located below First Point of Measurement during 1992 was as follows:

<u>Delivery Point</u>	<u>Flow in Acre-Feet</u>
Beardsley Canal	75,097
Calloway Canal	10,095
Kern Island Canal	116,826
Eastside Canal	15,327
Stine Canal	0
Truxtun Lakes	996
Arvin-Edison Turnout	2,035
Buena Vista Canal	16,689
Rosedale Channel	1,117
River Canal @ Alternate 2 nd Point	16,316
Seepage Loss (River & Carrier)	18,324

Kern River water was conveyed to Second Point of Measurement through the Kern River Canal for delivery to Buena Vista Water Storage District and Kern Delta Water District between March and August of 1992, totalling 16,316 acre-feet. The maximum daily flow occurred on August 9th with a mean daily discharge of 359 cubic feet per second.

Ten water wells owned by the City of Bakersfield and located within the 2800 Acre Recharge Facility were fully operated between May 1 and August 29, 1992, for purposes of the City and Buena Vista WSD. The water produced from this well operation was discharged into the Kern River Canal for distribution below Second Point of Measurement. The 1992 banked water recovery program yielded 12,005 acre-feet. Beneficiaries of the program included Buena Vista WSD (4,004 acre-feet), Olcese WD (953 acre-feet), Kern Delta Water District (1,001 acre-feet), North Kern WSD (1,373 acre-feet), Cawelo Water District (1,373 acre-feet), Kern-Tulare Water District (797 acre-feet), Rag Gulch Water District (119 acre-feet), County of Kern (2,000 acre-feet) and the Kern Valley Golf Course (178 acre-feet). The remainder was delivered into City Isabella Reservoir storage through exchange with Buena Vista WSD for carryover into 1993.

An additional 16,731 acre-feet of water was pumped from the City's 2800 acre groundwater storage account through use of water wells operated by the Kern County Water Agency and transported via the Cross Valley Canal to Cawelo Water District.

Kern River at First Point of Measurement "Computed Natural" Year: 1992

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	208	208	441	534	1,364	987	316	221	147	130	305	169
2	201	217	459	538	1,300	971	320	215	142	125	263	165
3	216	221	472	545	1,255	952	308	215	132	120	203	173
4	264	219	461	574	1,225	942	294	214	142	117	201	172
5	292	216	463	604	1,243	908	286	206	145	127	190	187
6	329	221	463	642	1,297	881	290	183	143	129	199	255
7	280	246	443	688	1,345	848	298	178	142	133	204	276
8	258	263	431	745	1,419	820	298	185	142	123	208	289
9	212	275	411	821	1,444	758	309	198	146	122	197	243
10	213	302	405	867	1,484	676	285	226	142	120	187	264
11	229	401	406	890	1,503	594	284	228	132	117	172	274
12	221	497	413	883	1,544	552	291	224	129	115	172	262
13	226	531	418	882	1,584	521	313	200	131	105	179	239
14	217	514	415	894	1,571	498	324	227	129	106	181	209
15	219	480	399	909	1,498	462	317	261	132	104	181	213
16	233	484	395	909	1,423	443	308	271	125	111	172	232
17	231	451	394	972	1,333	409	288	259	122	119	164	270
18	236	425	404	1,064	1,234	374	251	234	129	120	156	263
19	214	405	404	1,149	1,150	363	238	232	125	129	166	241
20	206	444	398	1,158	1,079	370	214	207	122	123	173	203
21	205	494	415	1,151	1,022	379	210	188	122	127	172	208
22	212	520	462	1,109	934	362	218	162	123	130	166	213
23	216	497	475	1,049	872	355	234	154	117	150	167	223
24	207	457	459	990	845	354	242	150	115	151	170	220
25	209	448	417	1,024	871	343	228	151	120	153	172	222
26	214	443	409	1,106	902	328	216	142	127	135	170	229
27	226	461	411	1,213	942	301	202	141	134	140	165	232
28	226	458	420	1,297	945	286	204	138	140	137	170	272
29	224	452	430	1,355	957	281	208	139	142	260	179	309
30	224	-	448	1,393	953	313	220	138	132	375	169	348
31	225	-	474	-	969	-	216	134	-	593	-	274
TOTAL	7,093	11,250	13,315	27,955	37,507	16,631	8,230	6,021	3,981	4,746	5,573	7,349
MAXIMUM DAY	329	531	475	1,393	1,584	987	324	271	147	593	305	348
MINIMUM DAY	201	208	394	534	845	281	202	134	115	104	156	165
MEAN	229	388	430	932	1,210	554	265	194	133	153	186	237
TOTAL AC.FT.	14,069	22,314	26,410	55,448	74,394	32,987	16,324	11,942	7,896	9,414	11,054	14,577
WHOLE YEAR:-	TOTAL,	149,651	MAX.,	1,584	MIN.,	104	MEAN,	409	TOTAL AC.FT.,	296,829		

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

Year: 1992

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	196	183	373	379	1,274	876	326	168	126	141	245	133
2	199	185	374	421	1,164	891	334	149	124	126	224	143
3	202	181	370	438	1,116	894	322	147	122	123	213	143
4	210	179	352	479	1,151	925	309	150	120	130	210	139
5	232	169	341	511	1,151	917	289	169	119	126	206	138
6	239	186	377	513	1,153	862	272	151	116	125	203	141
7	225	195	349	517	1,297	844	278	146	116	123	198	185
8	203	211	330	542	1,266	762	255	147	115	122	198	178
9	210	203	319	607	1,383	699	266	142	113	123	194	170
10	229	209	317	628	1,434	650	278	155	114	123	186	190
11	224	281	316	640	1,502	624	261	157	124	121	176	202
12	203	349	326	645	1,560	589	276	146	122	123	171	211
13	186	361	337	644	1,570	564	287	157	121	125	173	165
14	210	320	348	690	1,446	512	311	189	121	121	172	166
15	206	300	336	706	1,342	488	315	256	122	118	170	192
16	203	297	334	717	1,221	448	292	266	122	112	175	177
17	206	321	321	743	1,165	406	281	223	122	113	164	190
18	211	318	305	888	1,111	369	262	189	123	114	161	196
19	203	317	321	960	1,025	353	258	171	124	115	160	157
20	195	379	301	945	964	342	236	159	122	116	157	158
21	192	445	322	990	913	348	219	150	121	116	151	182
22	177	431	317	975	807	338	223	139	120	114	150	175
23	172	434	332	848	717	319	213	138	120	124	160	176
24	179	396	314	810	729	348	204	136	120	119	151	191
25	182	385	320	874	854	341	195	130	121	134	146	180
26	181	392	320	1,007	855	329	190	126	121	130	149	169
27	184	409	328	1,128	806	311	183	125	119	123	149	169
28	184	373	338	1,168	892	302	177	123	120	132	147	189
29	185	395	345	1,312	967	333	186	122	119	131	143	240
30	178	-	355	1,370	935	327	184	122	119	536	130	232
31	188	-	367	-	922	-	177	121	-	426	-	198
TOTAL	6,194	8,804	10,405	23,095	34,692	16,311	7,859	4,869	3,608	4,525	5,232	5,475
MAXIMUM DAY	239	445	377	1,370	1,570	925	334	266	126	536	245	240
MINIMUM DAY	172	169	301	379	717	302	177	121	113	112	130	133
MEAN	200	304	336	770	1,119	544	254	157	120	146	174	177
TOTAL AC.FT.	12,286	17,462	20,638	45,808	68,811	32,352	15,588	9,658	7,156	8,975	10,378	10,859
WHOLE YEAR:-	TOTAL,	131,069	MAX.,	1,570	MIN.,	112	MEAN,	358	TOTAL AC.FT.,	259,971		

Year: 1992

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	203	230	367	419	496	815	634	812	251	140	183	177
2	216	234	453	436	515	835	634	772	221	149	176	204
3	208	234	470	420	450	838	675	766	205	123	170	211
4	234	219	413	438	435	825	641	769	198	120	172	196
5	267	222	422	445	450	820	604	796	192	144	173	194
6	258	228	458	433	452	817	611	774	164	120	203	215
7	225	242	449	437	477	851	611	775	161	118	205	292
8	220	241	443	444	470	773	649	780	162	113	185	239
9	252	243	420	440	456	743	601	783	143	119	196	208
10	249	237	377	446	458	758	551	785	131	119	183	217
11	241	305	419	454	470	745	544	677	128	111	180	243
12	245	379	415	437	527	704	564	491	130	112	189	276
13	245	448	410	436	581	652	556	477	132	121	177	229
14	234	417	398	446	536	565	506	467	132	129	178	203
15	202	450	396	443	474	511	581	468	123	130	179	205
16	199	447	389	445	443	510	626	407	137	118	174	269
17	199	440	406	439	447	496	642	463	145	119	172	257
18	195	404	408	441	472	489	666	634	139	124	175	245
19	197	412	386	434	543	576	665	546	118	117	169	205
20	208	431	388	431	628	586	732	411	132	115	159	186
21	226	483	390	430	597	554	728	367	173	113	152	183
22	219	463	404	430	611	576	831	369	197	100	142	200
23	217	432	413	427	619	553	818	341	220	96	146	196
24	219	456	380	427	607	535	708	302	207	94	151	213
25	213	427	397	425	651	575	660	284	246	111	151	240
26	215	453	426	421	644	553	617	261	247	130	165	242
27	216	437	422	419	599	520	705	266	223	144	180	219
28	209	434	416	408	610	529	747	280	172	160	181	214
29	197	394	426	409	665	588	796	260	160	152	187	244
30	201	-	429	436	757	569	875	258	151	182	182	313
31	224	-	442	-	774	-	876	256	-	184	-	263
TOTAL	6,853	10,442	12,832	12,996	16,914	19,461	20,654	16,097	5,140	3,927	5,235	6,998
MAXIMUM INSTAN.	356	535	569	559	879	964	970	927	285	202	270	328
MINIMUM INSTAN.	145	188	324	228	342	464	459	147	85	45	129	138
MEAN	221	360	414	433	546	649	666	519	171	127	175	226
TOTAL AC.FT.	13,593	20,711	25,451	25,777	33,548	38,600	40,967	31,928	10,195	7,789	10,383	13,880
WHOLE YEAR:-	TOTAL,	137,549	MAX.,	970	MIN.,	45	MEAN,	376	TOTAL AC.FT.,	272,822		

Year: 1992

Kern River Conduit at Alternate Second Point (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	46	0	0	71	263	0	0	0	0
2	0	0	12	48	0	0	68	255	0	0	0	0
3	0	0	7	45	0	0	52	253	0	0	0	0
4	0	0	0	46	0	0	57	245	0	0	0	0
5	0	0	0	42	0	0	57	259	0	0	0	0
6	0	0	0	39	0	0	63	265	0	0	0	0
7	0	0	0	36	0	0	67	297	0	0	0	0
8	0	0	0	32	0	0	91	327	0	0	0	0
9	0	0	0	24	0	0	91	359	0	0	0	0
10	0	0	0	27	0	0	84	300	0	0	0	0
11	0	0	0	33	0	0	86	161	0	0	0	0
12	0	0	0	27	0	0	78	0	0	0	0	0
13	0	0	0	8	0	0	78	0	0	0	0	0
14	0	0	0	26	0	0	75	0	0	0	0	0
15	0	0	0	17	0	0	77	0	0	0	0	0
16	0	0	0	12	0	0	79	0	0	0	0	0
17	0	0	0	24	0	0	80	42	0	0	0	0
18	0	0	0	37	0	0	90	176	0	0	0	0
19	0	0	0	29	0	0	74	90	0	0	0	0
20	0	0	0	15	0	0	81	0	0	0	0	0
21	0	0	0	4	0	0	117	0	0	0	0	0
22	0	0	0	0	0	0	155	0	0	0	0	0
23	0	0	0	0	0	0	177	0	0	0	0	0
24	0	0	0	0	0	0	173	0	0	0	0	0
25	0	0	0	0	0	0	180	0	0	0	0	0
26	0	0	0	0	0	25	169	0	0	0	0	0
27	0	0	0	0	0	59	184	0	0	0	0	0
28	0	0	0	0	0	58	171	0	0	0	0	0
29	0	0	0	0	0	53	203	0	0	0	0	0
30	0	0	0	0	0	58	259	0	0	0	0	0
31	0	0	0	0	0	0	277	0	0	0	0	0
TOTAL	0	0	526	591	0	253	3,564	3,292	0	0	0	0
MAXIMUM DAY	0	0	51	48	0	59	277	359	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	52	0	0	0	0	0
MEAN	0	0	17	20	0	8	115	106	0	0	0	0
TOTAL AC.FT.	0	0	1,043	1,172	0	502	7,069	6,530	0	0	0	0
WHOLE YEAR:-	TOTAL,	8,226	MAX.,	359	MIN.,	0	MEAN,	22	TOTAL AC.FT.,	16,316		

2800 Acre Well Water Production
Conveyed via Kern River Canal

Year: 1992

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	57	0	0	41	52	55	53	0	0	0	0
2	0	57	0	0	65	52	55	53	0	0	0	0
3	0	57	0	0	63	52	55	53	0	0	0	0
4	0	57	0	0	62	51	55	53	0	0	0	0
5	0	35	0	0	37	51	55	53	0	0	0	0
6	0	40	0	0	45	50	55	53	0	0	0	0
7	0	52	0	0	62	51	55	53	0	0	0	0
8	0	52	0	0	61	51	55	53	0	0	0	0
9	0	49	0	0	61	51	55	52	0	0	0	0
10	0	2	0	0	60	50	50	34	0	0	0	0
11	0	0	0	0	60	51	55	34	0	0	0	0
12	0	0	0	0	60	51	55	34	0	0	0	0
13	0	0	0	0	60	51	55	34	0	0	0	0
14	6	0	0	0	59	51	55	34	0	0	0	0
15	9	0	0	0	59	51	55	34	0	0	0	0
16	7	0	0	0	59	50	54	34	0	0	0	0
17	27	0	0	0	59	50	54	34	0	0	0	0
18	45	0	0	0	54	50	54	34	0	0	0	0
19	45	0	0	0	53	50	54	34	0	0	0	0
20	45	0	0	0	48	50	54	34	0	0	0	0
21	45	0	0	0	47	50	54	34	0	0	0	0
22	47	0	0	0	53	50	54	34	0	0	0	0
23	50	0	0	0	54	50	54	34	0	0	0	0
24	49	0	0	0	54	50	54	34	0	0	0	0
25	49	0	0	0	54	50	54	34	0	0	0	0
26	49	0	0	0	53	50	54	34	0	0	0	0
27	49	0	0	0	55	51	53	33	0	0	0	0
28	49	0	0	0	54	55	53	33	0	0	0	0
29	52	0	0	0	52	55	53	13	0	0	0	0
30	56	-	0	0	52	55	53	0	0	0	0	0
31	58	-	0	-	52	-	53	0	-	-	-	0
TOTAL	737	458	0	0	1,708	1,532	1,679	1,133	0	0	0	0
MAXIMUM DAY	58	57	0	0	65	55	55	53	0	0	0	0
MINIMUM DAY	0	0	0	0	37	50	50	0	0	0	0	0
MEAN	24	16	0	0	55	51	54	37	0	0	0	0
TOTAL AC.FT.	1,462	909	0	0	3,388	3,039	3,331	2,247	0	0	0	0
WHOLE YEAR:-	TOTAL,	7,247	MAX.,	65	MIN.,	0	MEAN,	20	TOTAL AC.FT.,	14,376		

Year: 1992

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	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	35
8	0	0	0	0	0	0	0	0	0	0	0	50
9	0	0	0	0	0	0	0	0	0	0	0	50
10	0	0	0	0	0	0	0	0	0	0	0	10
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	145
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	50
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	5
TOTAL AC.FT.	0	0	0	0	0	0	0	0	0	0	0	287
WHOLE YEAR-- TOTAL,	145	0	0	50	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	287		

**CITY OF BAKERSFIELD
SUMMARY OF KERN RIVER ENTITLEMENTS**

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista W.S.D. Entitlement	0	0	2,582	11,960	17,798	4,834	73	0	0	0	0	0	37,247
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	0	510	851	228	0	0	0	0	0	0	1,589
Kern Island	13,357	15,824	17,770	17,699	18,446	17,718	15,557	11,266	7,241	8,051	10,399	13,827	167,155
Eastside	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Kern River Conduit	6	188	0	44	99	16	0	0	0	20	0	8	381
Castro	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
KCC & W Co.	18	510	0	131	262	46	0	0	0	52	0	22	1,041
South Fork	12	371	.....	93	190	32	0	.....	.....	38	.....	16	752
Buena Vista	0	2,773	.....	700	1,458	248	.....	.....	.....	228	.....	28	5,435
James	.....	.....	.....	1,049	2,190	369	.....	.....	.....	230	.....	0	5,851
Anderson	.....	.....	.....	175	361	62	.....	.....	.....	38	.....	.....	638
Stine	.....	.....	.....	1,317	2,729	464	.....	.....	.....	81	.....	.....	4,591
Meacham	.....	.....	.....	258	545	95	.....	.....	.....	0	.....	.....	898
Farmers	.....	.....	.....	1,313	2,709	424	.....	.....	.....	.....	.....	.....	4,446
Plunket	.....	.....	.....	327	688	79	.....	.....	.....	.....	.....	.....	1,094
Joyce	.....	.....	.....	301	657	63	.....	.....	.....	.....	.....	.....	1,021
Johnson	.....	.....	.....	285	585	14	.....	.....	.....	.....	.....	.....	884
Pioneer	.....	.....	.....	724	1,799	0	.....	.....	.....	.....	.....	.....	2,523
Beardsley	.....	.....	.....	190	778	.....	.....	.....	.....	.....	.....	.....	968
Lerdo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Anderson	.....	.....	.....	26	131	.....	.....	.....	.....	.....	.....	.....	157
James & Dixon	.....	.....	.....	91	498	.....	.....	.....	.....	.....	.....	.....	589
Wilson	.....	.....	.....	12	61	.....	.....	.....	.....	.....	.....	.....	73
KCC & W Co.	.....	.....	.....	8	54	.....	.....	.....	.....	.....	.....	.....	62
McCaifrey	.....	.....	.....	54	272	.....	.....	.....	.....	.....	.....	.....	326
McCord:	.....	.....	.....	44	250	.....	.....	.....	.....	.....	.....	.....	294
Lerdo	.....	.....	.....	97	595	.....	.....	.....	.....	.....	.....	.....	692
Beardsley	.....	.....	.....	2	161	.....	.....	.....	.....	.....	.....	.....	163
Central	.....	.....	.....	8	651	.....	.....	.....	.....	.....	.....	.....	659
NKWSD	.....	.....	.....	0	0	.....	.....	.....	.....	.....	.....	.....	0
KCC & W Co.	.....	.....	.....	0	0	.....	.....	.....	.....	.....	.....	.....	0
NKWSD	.....	.....	.....	0	0	.....	.....	.....	.....	.....	.....	.....	0
Buena Vista	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
James	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
Pioneer	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
Beardsley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
Kern Island	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0
Computed Loss	676	633	676	655	676	655	676	676	655	676	655	676	7,985
Total 1st Point Group Entitlement	14,069	22,314	23,828	43,488	56,596	28,153	16,251	11,942	7,896	9,414	11,054	14,577	259,582

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

Year: 1992

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FIRST POINT REGULATED FLOW	13,593	20,711	25,451	25,777	33,548	38,600	40,967	31,928	10,195	7,789	10,383	13,880	272,822
BEARDSLEY CANAL	1,819	8,846	5,486	5,432	11,129	8,719	10,140	5,802	2,227	4,058	7,914	3,525	75,097
CALLOWAY CANAL	1,075	577	1,853	2,740	3,850	0	0	0	0	0	0	0	10,095
KERN ISLAND CANAL	5,697	5,730	11,581	10,304	10,300	19,969	19,234	16,013	6,571	3,055	1,680	6,692	116,826
EASTSIDE CANAL	0	0	1,152	1,997	2,955	2,928	3,060	2,493	742	0	0	0	15,327
STINE CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0
TRUXTUN LAKES	75	0	0	0	262	0	0	0	0	0	0	659	996
ARVIN-EDISON TURNOUT	0	0	964	1,071	0	0	0	0	0	0	0	0	2,035
BUENA VISTA CANAL	2,806	4,024	1,563	1,168	1,583	4,883	0	0	0	0	0	662	16,689
JAMES CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0
ROSEDALE CHANNEL	391	0	0	0	0	0	0	0	0	0	0	726	1,117
PIONEER CANAL	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	502	580	657	681	748	863	788	414	0	0	0	615	5,848
RIVER LOSS & SPREADING	1,228	954	1,152	1,212	2,721	736	676	676	655	676	789	1,001	12,476
FIRST POINT GROUP TOTAL FLOW	13,593	20,711	24,408	24,605	33,548	38,098	33,898	25,398	10,195	7,789	10,383	13,880	256,506
SECOND POINT TOTAL FLOW	0	0	1,043	1,172	0	502	7,069	6,530	0	0	0	0	16,316

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

Year: 1992

End of Month Unit Storage

Quantities in acre-feet

STORAGE UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern Island	2,467	3,532	3,457	6,567	11,804	10,264	5,746	0	198	1,854	2,311	2,500	50,700
Buena Vista	1,478	1,551	1,495	1,759	2,646	48	0	0	0	141	137	387	9,642
Stine	14	14	14	736	2,511	827	0	0	0	56	54	52	4,278
Farmers	38	38	20	740	2,356	525	0	0	0	0	0	0	3,717
KERN DELTA WD TOTAL	3,997	5,135	4,986	9,802	19,317	11,664	5,746	0	198	2,051	2,502	2,939	68,337
City of Bakersfield	2,060	2,040	2,424	9,410	6,697	6,215	3,413	1,913	1,029	797	772	863	37,633
Kern River Canal & Irr. Co.	0	0	0	123	0	0	0	0	0	0	0	0	123
South Fork	600	626	626	657	708	607	494	343	298	319	319	403	6,000
CITY OF BAKERSFIELD TOTAL	2,660	2,666	3,050	10,190	7,405	6,822	3,907	2,256	1,327	1,116	1,091	1,266	43,756
NORTH KERN WSD	43,648	43,218	42,307	47,724	63,386	63,172	55,773	51,090	48,016	46,290	45,251	44,164	594,039
TOTAL 1ST POINT STORAGE	50,305	51,019	50,343	67,716	90,108	81,658	65,426	53,346	49,541	49,457	48,844	48,369	706,132

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KERN DELTA WATER DISTRICT

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

Quantities in acre-feet

Year: 1992

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	13,357	18,597	17,770	21,029	25,342	18,854	15,557	11,266	7,241	8,360	10,399	13,855	181,627
Release	(4,351)	(7,015)	(3,710)	(2,926)	(1,022)	0	0	0	(473)	(2,850)	(7,981)	(5,815)	(36,143)
Ent'l + or - Releases	= 9,006	11,582	14,060	18,103	24,320	18,854	15,557	11,266	6,768	5,510	2,418	8,040	145,484
Into Isabella Storage	32	1,291	0	5,047	10,087	1,697	528	58	646	1,873	636	630	22,525
From Isabella Storage	12	77	42	32	87	8,845	6,015	5,717	438	0	125	133	21,523
From City of Bakersfield	0	0	0	0	168	595	238	0	0	0	0	0	1,001
From Buena Vista WSD	0	0	0	0	0	0	0	79	0	0	0	0	79
To City of Bakersfield	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage Transfer/Exch.	3	0	0	0	0	(1,066)	0	0	0	0	0	3	(1,060)
Carrier Canal Loss	486	614	0	0	0	0	0	0	0	0	134	60	1,294
To North Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Via Cawelo Water District	0	0	0	0	0	0	593	708	613	675	93	132	2,814
Diversed at Heads of Canals	= 8,503	9,754	14,102	13,088	14,488	25,531	20,689	16,296	5,947	2,962	1,680	7,354	140,394
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
Kern Delta WD to Kern Island Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	= 8,503	9,754	14,102	13,088	14,488	25,531	20,689	16,296	5,947	2,962	1,680	7,354	140,394
Utility Deliveries	6,482	7,022	9,378	9,107	10,783	18,388	14,130	12,616	3,820	1,458	188	4,912	98,284
Contract Deliveries	197	259	946	390	655	633	174	256	297	280	35	248	4,370
Total Irrigation Use	= 6,679	7,281	10,324	9,497	11,438	19,021	14,304	12,872	4,117	1,738	223	5,160	102,654
Canal Conveyance Losses	1,824	2,473	3,778	3,591	3,050	6,510	6,385	3,424	1,830	1,224	1,457	2,194	37,740
Irrigation Delivery Percentage	79%	75%	73%	73%	79%	75%	69%	79%	69%	59%	13%	70%	73%
Reservoir Evaporation Loss	73	76	107	199	485	505	431	87	10	20	60	60	2,113
End of Month Reservoir Storage	3,997	5,135	4,986	9,802	19,317	11,664	5,746	0	198	2,051	2,502	2,939	

Year: 1992

Total Flow via the Kern Island Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	58	118	169	80	192	353	362	377	150	63	38	137
2	136	87	265	98	188	385	334	356	141	70	40	160
3	138	101	257	126	142	388	349	349	134	65	46	168
4	123	103	287	160	141	392	329	348	141	63	43	153
5	106	83	278	181	144	400	291	366	147	73	36	150
6	130	96	269	187	146	411	317	340	120	63	13	159
7	126	105	241	179	142	426	335	303	118	67	0	152
8	111	108	243	179	144	442	356	297	115	53	0	158
9	110	117	239	170	104	444	302	280	99	50	0	161
10	110	105	230	189	86	460	252	295	85	40	0	159
11	109	119	240	197	90	454	254	304	83	38	0	157
12	110	116	242	209	119	394	268	311	82	39	0	154
13	110	100	228	242	132	353	260	306	86	48	0	146
14	109	82	198	259	130	287	215	310	76	43	0	160
15	111	84	196	249	124	266	316	314	67	47	0	153
16	110	76	200	242	132	261	312	256	79	52	0	145
17	105	67	224	174	143	255	306	277	92	50	0	52
18	76	63	250	141	147	259	306	276	93	50	0	30
19	74	67	218	120	161	287	306	274	82	50	0	25
20	79	79	198	127	169	299	344	259	80	48	0	25
21	75	78	209	147	173	290	320	218	98	46	2	34
22	61	78	138	184	184	281	367	192	122	35	37	77
23	67	78	129	185	184	249	351	174	133	41	40	79
24	60	83	114	171	200	247	275	167	133	43	42	68
25	58	105	106	169	207	287	253	164	153	45	40	66
26	58	127	95	173	214	293	232	149	170	47	48	68
27	58	145	68	171	225	268	285	169	148	40	70	71
28	56	158	58	163	216	282	335	168	98	51	87	72
29	54	161	85	158	233	340	372	160	101	53	130	78
30	62	-	93	165	274	315	397	158	87	33	135	78
31	122	-	72	-	307	-	396	156	-	34	-	79
TOTAL	2,872	2,889	5,839	5,195	5,193	10,068	9,697	8,073	3,313	1,540	847	3,374
MAXIMUM DAY	138	161	287	259	307	460	397	377	170	73	135	168
MINIMUM DAY	54	63	58	80	86	247	215	149	67	33	0	25
MEAN	93	100	188	173	168	336	313	260	110	50	28	109
TOTAL AC.FT.	5,697	5,730	11,581	10,304	10,300	19,969	19,234	16,013	6,571	3,055	1,680	6,692
WHOLE YEAR:-	TOTAL,	58,900	MAX.,	460	MIN.,	0	MEAN,	161	TOTAL AC.FT.,	116,826		

Kern Delta Water District Delivery for State of California via Cawelo Water District (1990 Demonstration Program Payback)												Year: 1992		
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	8	12	12	12	12	7		
2	0	0	0	0	0	0	10	12	12	12	12	12		
3	0	0	0	0	0	0	5	9	12	12	12	12		
4	0	0	0	0	0	0	6	9	12	12	12	8		
5	0	0	0	0	0	0	5	10	12	12	12	3		
6	0	0	0	0	0	0	6	12	12	12	12	0		
7	0	0	0	0	0	0	5	12	12	12	12	0		
8	0	0	0	0	0	0	6	11	12	12	12	0		
9	0	0	0	0	0	0	5	12	12	13	13	0		
10	0	0	0	0	0	0	6	12	5	12	12	0		
11	0	0	0	0	0	0	9	11	0	12	12	0		
12	0	0	0	0	0	0	12	12	0	12	12	0		
13	0	0	0	0	0	0	12	12	0	12	12	0		
14	0	0	0	0	0	0	12	11	6	12	12	0		
15	0	0	0	0	0	0	12	12	12	12	12	0		
16	0	0	0	0	0	0	12	12	12	12	12	0		
17	0	0	0	0	0	0	12	11	12	12	12	0		
18	0	0	0	0	0	0	12	12	12	12	12	0		
19	0	0	0	0	0	0	12	12	11	13	12	0		
20	0	0	0	0	0	0	12	11	11	12	12	0		
21	0	0	0	0	0	0	12	12	12	12	12	0		
22	0	0	0	0	0	0	12	12	12	12	12	0		
23	0	0	0	0	0	0	12	11	12	6	12	0		
24	0	0	0	0	0	0	12	12	12	12	12	0		
25	0	0	0	0	0	0	12	12	12	12	12	0		
26	0	0	0	0	0	0	9	11	12	12	8	0		
27	0	0	0	0	0	0	9	12	12	12	12	0		
28	0	0	0	0	0	0	10	12	12	12	12	0		
29	0	0	0	0	0	0	12	12	12	12	12	0		
30	0	-	0	0	0	0	12	12	12	12	12	0		
31	0	-	0	-	0	-	8	12	-	12	12	0		
TOTAL	0	0	0	0	0	0	299	357	309	340	47	67		
MAXIMUM DAY	0	0	0	0	0	0	12	12	12	13	12	12		
MINIMUM DAY	0	0	0	0	0	0	5	9	0	0	0	0		
MEAN	0	0	0	0	0	0	10	12	10	11	2	2		
TOTAL AC.FT.	0	0	0	0	0	0	593	708	613	675	93	132		
WHOLE YEAR-- TOTAL,	1,419	MAX.,	13	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	2,814					

Year: 1992

KERN DELTA WATER DISTRICT
KERN ISLAND CANAL SERVICE AREA

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	+ 13,357	15,824	17,770	17,699	18,446	17,718	15,557	11,266	7,241	8,051	10,399	13,827	167,155
Release	- 4,912	7,945	5,249	2,580	0	0	0	0	473	2,738	7,981	6,038	37,916
Ent'l + or - Releases	= 8,445	7,879	12,521	15,119	18,446	17,718	15,557	11,266	6,768	5,313	2,418	7,789	129,239
Into Storage	- 14	1,115	0	3,247	5,636	1,572	528	58	646	1,676	636	376	15,504
From Storage	+ 0	0	0	0	87	2,762	4,635	5,717	438	0	125	133	13,897
From City of Bakersfield	+ 0	0	0	0	168	595	238	0	0	0	0	0	1,001
From Buena Vista WSD	+ 0	0	0	0	0	0	0	79	0	0	0	0	79
To City of Bakersfield	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Loss	- 419	169	0	0	0	0	0	0	0	0	134	60	782
Transfer in Storage	+ or - 3	0	0	0	0	(554)	0	0	0	0	0	0	(551)
Eastside Canal Ent'l	- 0	0	1,146	1,902	2,661	2,678	2,800	1,376	0	0	0	0	12,563
Via Cawelo Water District	- 0	0	0	0	0	0	593	708	613	675	93	132	2,814
To North Kern WSD	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head	= 8,015	6,595	11,375	9,970	10,404	16,271	16,509	14,920	5,947	2,962	1,680	7,354	112,002
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 Kern Delta WD	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	= 8,015	6,595	11,375	9,970	10,404	16,271	16,509	14,920	5,947	2,962	1,680	7,354	112,002
Utility Deliveries	6,070	4,463	7,728	7,216	8,056	11,656	11,073	11,408	3,820	1,458	188	4,912	78,048
Contract Deliveries	197	259	941	329	549	568	152	244	297	280	35	248	4,099
Total Deliveries	- 6,267	4,722	8,669	7,545	8,605	12,224	11,225	11,652	4,117	1,738	223	5,160	82,147
Conveyance Losses	= 1,748	1,873	2,706	2,425	1,799	4,047	5,284	3,268	1,830	1,224	1,457	2,194	29,855
Delivery Percentage	78%	72%	76%	76%	83%	75%	69%	78%	69%	59%	13%	70%	73%

Into Reservoir Storage	14	1,115	0	3,247	5,636	1,572	528	58	646	1,676	636	376	15,504
Reservoir Evaporation Loss	45	50	75	137	312	350	411	87	10	20	54	54	1,605
From Reservoir Storage	0	0	0	0	87	2,762	4,635	5,717	438	0	125	133	13,897
End of Month Reservoir Storage	2,467	3,532	3,457	6,567	11,804	10,264	5,746	0	198	1,854	2,311	2,500	

State Exchange Diverted	0	0	111	266	137	1,156	1,642	1,609	410	36	0	0	5,367
I.D. #4 Water Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
State Exchange Delivered	0	0	111	266	137	1,156	1,582	1,488	224	36	0	0	5,000
I.D. #4 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: 1992

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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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	13,357	15,824	17,770	17,699	18,446	17,718	15,557	11,266	7,241	8,051	10,399	13,827	167,155
Maximum Percentage	72.41%	91.70%	96.45%	99.15%	100.00%	99.25%	84.34%	61.08%	40.56%	43.65%	58.25%	74.96%	

CONTRACT ENTITLEMENT:

Maximum	269	242	269	260	269	260	269	269	260	269	260	--	2,896
Actual	195	222	259	258	269	258	227	164	105	117	151	--	2,225
Sum to Date	195	417	676	934	1,203	1,461	1,688	1,852	1,957	2,074	2,225	2,225	

CONTRACT DIVERTED:

For Month	0	90	637	123	386	346	31	121	49	0	35	0	1,818
To Date	0	90	727	850	1,236	1,582	1,613	1,734	1,783	1,783	1,818	1,818	

UNUSED ENTITLEMENT:

For Month	195	132	(378)	135	(117)	(88)	196	43	56	117	116	0	407
Sum to Date	195	327	(51)	84	(33)	(121)	75	118	174	291	407	407	

KERN ISLAND CANAL
ENTITLEMENT AND DIVERSION OF CONTRACT WATER
BLOOMFIELD CONTRACT

Year: 1992

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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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	13,357	15,824	17,770	17,699	18,446	17,718	15,557	11,266	7,241	8,051	10,399	13,827	167,155
Maximum Percentage	72.41%	91.70%	96.45%	99.15%	100.00%	99.25%	84.34%	61.08%	40.56%	43.65%	58.25%	74.96%	

CONTRACT ENTITLEMENT:

Maximum	336	303	336	325	336	325	336	336	325	336	325	--	3,619
Actual	243	278	324	322	336	323	283	205	132	147	189	--	2,782
Sum to Date	243	521	845	1,167	1,503	1,826	2,109	2,314	2,446	2,593	2,782	2,782	

CONTRACT DIVERTED:

For Month	197	169	304	206	163	222	121	123	248	280	0	248	2,281
To Date	197	366	670	876	1,039	1,261	1,382	1,505	1,753	2,033	2,033	2,281	

UNUSED ENTITLEMENT:

For Month	46	109	20	116	173	101	162	82	(116)	(133)	189	(248)	501
Sum to Date	46	155	175	291	464	565	727	809	693	560	749	501	

Year: 1992

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	0	24	48	56	43	56	43	0	0	0
2	0	0	0	21	48	56	45	50	45	0	0	0
3	0	0	0	15	47	59	44	45	36	0	0	0
4	0	0	0	17	46	56	44	48	29	0	0	0
5	0	0	0	22	46	60	49	52	21	0	0	0
6	0	0	0	31	48	60	51	53	21	0	0	0
7	0	0	0	36	50	56	55	52	20	0	0	0
8	0	0	0	36	48	55	58	51	18	0	0	0
9	0	0	0	34	33	52	57	51	15	0	0	0
10	0	0	0	37	40	56	57	52	13	0	0	0
11	0	0	0	34	42	52	37	53	8	0	0	0
12	0	0	0	33	42	49	49	55	11	0	0	0
13	0	0	0	35	43	42	46	55	13	0	0	0
14	0	0	18	32	46	35	44	53	16	0	0	0
15	0	0	37	31	47	35	42	43	17	0	0	0
16	0	0	40	33	44	41	41	38	18	0	0	0
17	0	0	38	24	38	41	43	39	17	0	0	0
18	0	0	40	24	40	38	48	39	13	0	0	0
19	0	0	45	26	46	38	49	41	0	0	0	0
20	0	0	40	30	50	43	60	40	0	0	0	0
21	0	0	29	43	49	38	51	37	0	0	0	0
22	0	0	13	45	56	41	50	31	0	0	0	0
23	0	0	29	44	58	50	48	28	0	0	0	0
24	0	0	31	45	52	53	44	29	0	0	0	0
25	0	0	31	33	51	57	43	32	0	0	0	0
26	0	0	31	36	57	60	44	24	0	0	0	0
27	0	0	33	39	57	52	61	24	0	0	0	0
28	0	0	32	45	53	51	60	25	0	0	0	0
29	0	0	34	52	55	49	59	16	0	0	0	0
30	0	-	34	50	57	45	62	18	0	0	0	0
31	0	-	26	-	53	-	59	27	-	0	-	0
TOTAL	0	0	581	1,007	1,490	1,476	1,543	1,257	374	0	0	0
MAXIMUM DAY	0	0	45	52	58	60	62	56	45	0	0	0
MINIMUM DAY	0	0	0	15	33	35	37	16	0	0	0	0
MEAN	0	0	19	34	48	49	50	41	12	0	0	0
TOTAL AC.FT.	0	0	1,152	1,997	2,955	2,928	3,060	2,493	742	0	0	0
WHOLE YEAR:-	TOTAL,	7,728	MAX.,	62	MIN.,	0	MEAN,	21	TOTAL AC.FT.,	15,327		

KERN DELTA WATER DISTRICT
EASTSIDE CANAL SERVICE AREA

Quantities in acre-feet

Year: 1992

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	0	0	1,146	1,902	2,661	2,678	2,800	1,376	0	0	0	0	12,563
Total River Diverted	0	0	1,146	1,902	2,661	2,678	2,800	1,376	0	0	0	0	12,563
State Exchange Diverted	0	0	6	95	294	250	260	1,117	742	0	0	0	2,764
Other Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
Total State/Other Div.	0	0	6	95	294	250	260	1,117	742	0	0	0	2,764

Eastside Canal at Head	0	0	1,152	1,997	2,955	2,928	3,060	2,493	742	0	0	0	15,327
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Utility Deliveries	0	0	633	1,233	1,890	2,038	2,256	1,208	0	0	0	0	9,258
Contract Deliveries	0	0	5	61	106	65	22	12	0	0	0	0	271
Total Utility Deliveries	0	0	638	1,294	1,996	2,103	2,278	1,220	0	0	0	0	9,529
State Exchange Delivered	0	0	6	95	294	250	260	901	484	0	0	0	2,290
Other Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total State/Other Del.	0	0	6	95	294	250	260	901	484	0	0	0	2,290
Total Deliveries	0	0	644	1,389	2,290	2,353	2,538	2,121	484	0	0	0	11,819
Canal Loss (Utility)	0	0	508	608	665	575	522	156	0	0	0	0	3,034
Canal Loss (State/Other)	0	0	0	0	0	0	0	216	258	0	0	0	474
Total Canal Loss	0	0	508	608	665	575	522	372	258	0	0	0	3,508
Delivery Percentage	0%	0%	56%	70%	77%	80%	83%	85%	65%	0%	0%	0%	77%

Year: 1992

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	55	62	50	26	14	89	0	0	0	0	0	0
2	34	61	0	23	14	104	0	0	0	0	0	0
3	21	64	0	15	14	105	0	0	0	0	0	0
4	34	65	0	11	14	112	0	0	0	0	0	0
5	34	74	0	13	14	122	0	0	0	0	0	0
6	32	84	0	17	14	121	0	0	0	0	0	0
7	17	77	21	21	12	129	0	0	0	0	0	0
8	19	74	25	30	13	137	0	0	0	0	0	0
9	41	76	24	31	40	133	0	0	0	0	0	0
10	45	76	29	36	34	132	0	0	0	0	0	0
11	45	78	30	25	35	122	0	0	0	0	0	0
12	44	80	24	15	38	113	0	0	0	0	0	0
13	46	80	49	0	40	114	0	0	0	0	0	0
14	45	80	53	0	40	98	0	0	0	0	0	0
15	45	70	34	0	37	76	0	0	0	0	0	0
16	45	74	27	0	40	78	0	0	0	0	0	0
17	49	75	18	14	37	87	0	0	0	0	0	0
18	48	66	0	21	36	90	0	0	0	0	0	0
19	48	57	0	30	38	93	0	0	0	0	0	0
20	55	59	8	58	40	86	0	0	0	0	0	0
21	58	59	32	35	41	64	0	0	0	0	0	0
22	55	58	43	9	38	45	0	0	0	0	0	0
23	56	61	45	10	37	46	0	0	0	0	0	0
24	57	68	39	9	35	53	0	0	0	0	0	36
25	54	72	40	26	27	66	0	0	0	0	0	35
26	52	72	36	25	34	47	0	0	0	0	0	50
27	56	72	30	27	7	0	0	0	0	0	0	49
28	56	69	31	27	0	0	0	0	0	0	0	50
29	54	66	32	23	0	0	0	0	0	0	0	50
30	59	-	34	12	0	0	0	0	0	0	0	50
31	56	-	34	-	15	-	0	0	-	0	-	14
TOTAL	1,415	2,029	788	589	798	2,462	0	0	0	0	0	334
MAXIMUM DAY	59	84	53	58	41	137	0	0	0	0	0	50
MINIMUM DAY	17	57	0	0	0	0	0	0	0	0	0	0
MEAN	46	70	25	20	26	82	0	0	0	0	0	11
TOTAL AC.FT.	2,806	4,024	1,563	1,168	1,583	4,883	0	0	0	0	0	662
WHOLE YEAR--	TOTAL,	8,415	MAX.,	137	MIN.,	0	MEAN,	23	TOTAL AC.FT.,	16,689		

KERN DELTA WATER DISTRICT
BUENA VISTA CANAL SERVICE AREA

Quantities in acre-feet

Year: 1992

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	0	2,773	0	700	1,458	248	0	0	0	228	0	28	5,435
Release	561	758	1,539	782	(202)	0	0	0	0	(87)	0	223	3,574
Ent'l + or - Releases	561	3,531	1,539	1,482	1,256	248	0	0	0	141	0	251	9,009
Into Storage	18	176	0	346	956	0	0	0	0	141	0	254	1,891
From Storage	12	77	24	32	0	2,560	48	0	0	0	0	0	2,753
To North Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	0	0	0	0	0	(99)	0	0	0	0	0	3	(96)
Carrier Canal Loss	67	445	0	0	0	0	0	0	0	0	0	0	512
Diverted at Head of Canal	488	2,987	1,563	1,168	300	2,709	48	0	0	0	0	0	9,263
Utility Deliveries	412	2,429	1,004	625	154	2,237	48	0	0	0	0	0	6,909
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries	412	2,429	1,004	625	154	2,237	48	0	0	0	0	0	6,909
Canal Conveyance Losses	76	558	559	543	146	472	0	0	0	0	0	0	2,354
Irrigation Delivery Percentage	84%	81%	64%	54%	51%	83%	100%	0%	0%	0%	0%	0%	75%

Into Reservoir Storage	18	176	0	346	956	0	0	0	0	141	0	254	1,891
Reservoir Evaporation Loss	28	26	32	50	69	38	0	0	0	0	4	4	251
From Reservoir Storage	12	77	24	32	0	2,560	48	0	0	0	0	0	2,753
End of Month Reservoir Storage	1,478	1,551	1,495	1,759	2,646	48	0	0	0	141	137	387	

State Exchange Diverted	0	0	0	0	0	1,020	599	0	0	0	0	0	1,619
State Exch. Diverted via Kern Island	0	0	0	0	0	0	0	176	0	0	0	0	176
I.D. #4 Water Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
State Exchange Delivered	0	0	0	0	0	845	568	0	0	0	0	0	1,413
State Exch. Delivered via Kern Island	0	0	0	0	0	0	0	176	0	0	0	0	176
I.D. #4 Water Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0

KERN DELTA WATER DISTRICT
BUENA VISTA CANAL
DISTRIBUTION OF WATER

Year: 1992

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista Canal at Head	2,806	4,024	1,563	1,168	1,583	4,883	0	0	0	0	0	662	16,689
Buena Vista Canal from Maples Canal	0	0	0	0	0	0	942	0	0	0	0	0	942
TOTAL BUENA VISTA CANAL SUPPLY	2,806	4,024	1,563	1,168	1,583	4,883	942	0	0	0	0	662	17,631

Deliveries: Head to Section 17

Buena Vista Utility	198	1,079	500	343	154	1,537	0	0	0	0	0	0	3,811
Buena Vista State Exchange	0	0	0	0	0	712	0	0	0	0	0	0	712
Stine Utility	0	0	0	0	49	109	0	0	0	0	0	0	158
Stine State Exchange	0	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	0
Sub-Total	198	1,079	500	343	203	2,358	0	0	0	0	0	0	4,681

Deliveries: At or Below Section 17

Buena Vista Utility	214	1,350	504	282	0	700	48	0	0	0	0	0	3,098
Buena Vista State Exchange	0	0	0	0	0	133	568	0	0	0	0	0	701
Stine Utility	0	0	0	0	352	260	0	0	0	0	0	0	612
Stine State Exchange	0	0	0	0	0	42	0	0	0	0	0	0	42
Kern Island Utility	1,980	835	0	0	504	290	146	0	0	0	0	399	4,154
Kern Island State Exchange	0	0	0	0	0	0	111	0	0	0	0	0	111
Sub-Total	2,194	2,185	504	282	856	1,425	873	0	0	0	0	399	8,718

TOTAL DELIVERED	2,392	3,264	1,004	625	1,059	3,783	873	0	0	0	0	399	13,399
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Canal Conveyance Losses	414	760	559	543	524	1,100	69	0	0	0	0	263	4,232
Irrigation Delivery Percentage	85%	81%	64%	54%	67%	77%	93%	0%	0%	0%	0%	60%	76%

DISTRIBUTION:

Buena Vista Utility	488	2,987	1,563	1,168	300	2,709	48	0	0	0	0	0	9,263
Buena Vista State Exchange	0	0	0	0	0	1,020	599	0	0	0	0	0	1,619
Stine Utility	0	0	0	0	593	609	0	0	0	0	0	0	1,202
Stine State Exchange	0	0	0	0	0	65	0	0	0	0	0	0	65
Improvement District #4	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island Utility	2,318	1,037	0	0	690	480	178	0	0	0	0	662	5,365
Kern Island State Exchange	0	0	0	0	0	0	117	0	0	0	0	0	117
TOTAL	2,806	4,024	1,563	1,168	1,583	4,883	942	0	0	0	0	662	17,631

Year: 1992

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	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	MAX.,	0	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0	0	0

KERN DELTA WATER DISTRICT
FARMERS CANAL SERVICE AREA

Year: 1992

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	0	0	0	1,313	2,709	424	0	0	0	0	0	0	4,446
Release	0	172	0	(539)	(511)	0	0	0	0	0	0	0	(878)
Ent'l + or - Releases	0	172	0	774	2,198	424	0	0	0	0	0	0	3,568
Into Storage	0	0	0	726	1,668	22	0	0	0	0	0	0	2,416
From Storage	0	0	18	0	0	1,799	519	0	0	0	0	0	2,336
To North Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	0	0	0	0	0	(206)	0	0	0	0	0	0	(206)
Carrier Canal Loss	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head	0	172	18	48	530	1,995	519	0	0	0	0	0	3,282
Utility Deliveries	0	130	13	33	282	1,376	380	0	0	0	0	0	2,214
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries	0	130	13	33	282	1,376	380	0	0	0	0	0	2,214
Conveyance Losses	0	42	5	15	248	619	139	0	0	0	0	0	1,068
Delivery Percentage	0%	76%	72%	69%	53%	69%	73%	0%	0%	0%	0%	0%	67%

Into Reservoir Storage	0	0	0	726	1,668	22	0	0	0	0	0	0	2,416
Reservoir Evaporation Loss	0	0	0	6	52	54	6	0	0	0	0	0	118
From Reservoir Storage	0	0	18	0	0	1,799	519	0	0	0	0	0	2,336
End of Month Reservoir Storage	38	38	20	740	2,356	525	0	0	0	0	0	0	

State Exchange Diverted	0	0	0	0	0	0	0	42	125	0	0	0	167
Other Diversions	0	0	0	0	0	0	0	0	0	0	0	0	0
State Exchange Delivered	0	0	0	0	0	0	0	42	125	0	0	0	167
Other Delivered	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

Year: 1992

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	30	0	0	0	0
2	0	0	0	0	0	0	0	30	0	0	0	0
3	0	0	0	0	0	0	0	30	0	0	0	0
4	0	0	0	0	0	0	0	30	0	0	0	0
5	0	0	0	0	0	0	0	30	0	0	0	0
6	0	0	0	0	0	0	0	30	0	0	0	0
7	0	0	0	0	0	0	0	30	0	0	0	0
8	0	0	0	0	0	0	10	30	0	0	0	0
9	0	0	0	0	0	0	25	30	0	0	0	0
10	0	0	0	0	0	0	25	30	0	0	0	0
11	0	0	0	0	0	0	25	30	0	0	0	0
12	0	0	0	0	0	0	25	0	0	0	0	0
13	0	0	0	0	0	0	25	0	0	0	0	0
14	0	0	0	0	0	0	25	0	0	0	0	0
15	0	0	0	0	0	0	25	0	0	0	0	0
16	0	0	0	0	0	0	25	0	0	0	0	0
17	0	0	0	0	0	0	25	42	0	0	0	0
18	0	0	0	0	0	0	25	40	0	0	0	0
19	0	0	0	0	0	0	25	34	0	0	0	0
20	0	0	0	0	0	0	25	0	0	0	0	0
21	0	0	0	0	0	0	15	0	0	0	0	0
22	0	0	0	0	0	0	15	0	0	0	0	0
23	0	0	0	0	0	0	15	0	0	0	0	0
24	0	0	0	0	0	0	15	0	0	0	0	0
25	0	0	0	0	0	0	15	0	0	0	0	0
26	0	0	0	0	0	0	15	0	0	0	0	0
27	0	0	0	0	0	0	15	0	0	0	0	0
28	0	0	0	0	0	0	15	0	0	0	0	0
29	0	0	0	0	0	0	15	0	0	0	0	0
30	0	-	0	0	0	0	15	0	0	0	0	0
31	0	-	0	-	0	-	15	0	-	0	-	0
TOTAL	0	0	0	0	0	0	475	446	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	25	42	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	15	14	0	0	0	0
TOTAL AC.FT.	0	0	0	0	0	0	942	885	0	0	0	0
WHOLE YEAR:-	TOTAL,	921	MAX.,	42	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	1,827		

2800 Acre Well Water Diverted to Kern Delta WD
 (Pursuant to City of Bakersfield/KDWD Letter Agreement Dated 4-23-92) Year: 1992

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	15	0	0	0	0	0
2	0	0	0	0	0	0	15	0	0	0	0	0
3	0	0	0	0	0	0	15	0	0	0	0	0
4	0	0	0	0	0	0	15	0	0	0	0	0
5	0	0	0	0	0	0	15	0	0	0	0	0
6	0	0	0	0	0	0	15	0	0	0	0	0
7	0	0	0	0	0	0	15	0	0	0	0	0
8	0	0	0	0	0	0	15	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	15	0	0	0	0	0	0
12	0	0	0	0	0	15	0	0	0	0	0	0
13	0	0	0	0	0	15	0	0	0	0	0	0
14	0	0	0	0	0	15	0	0	0	0	0	0
15	0	0	0	0	0	15	0	0	0	0	0	0
16	0	0	0	0	0	15	0	0	0	0	0	0
17	0	0	0	0	0	15	0	0	0	0	0	0
18	0	0	0	0	0	15	0	0	0	0	0	0
19	0	0	0	0	0	15	0	0	0	0	0	0
20	0	0	0	0	0	15	0	0	0	0	0	0
21	0	0	0	0	16	15	0	0	0	0	0	0
22	0	0	0	0	14	15	0	0	0	0	0	0
23	0	0	0	0	13	15	0	0	0	0	0	0
24	0	0	0	0	13	15	0	0	0	0	0	0
25	0	0	0	0	14	15	0	0	0	0	0	0
26	0	0	0	0	13	15	0	0	0	0	0	0
27	0	0	0	0	2	15	0	0	0	0	0	0
28	0	0	0	0	0	15	0	0	0	0	0	0
29	0	0	0	0	0	15	0	0	0	0	0	0
30	0	0	0	0	0	15	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	85	300	120	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	16	15	15	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	3	10	4	0	0	0	0	0
TOTAL AC.FT.	0	0	0	0	168	595	238	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	505	MAX.,	16	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	1,001		

Year: 1992

KERN DELTA WATER DISTRICT
State Aqueduct Exchange Diversion and Storage Recapitulation

Quantities in acre-feet

	East of Kern Island						Reservoir Loss	Other	Total	Storage Balance
	Kern Island	Eastside	Kern Island	Buena Vista	Stine	Farmers				
1991 Carry Over	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0
January	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0

	East of Kern Island						Reservoir Loss	Other	Total	Storage Balance
	Kern Island	Eastside	Kern Island	Buena Vista	Stine	Farmers				
1992 Contract	0	6	111	0	0	0	0	0	117	11,140
March	68	95	198	0	0	0	0	0	361	11,023
April	114	294	23	0	0	0	0	0	431	10,662
May	467	250	689	1,020	285	0	0	0	2,711	10,231
June	1,001	260	641	599	171	0	0	0	2,672	7,520
July	858	1,117	751	176	0	42	0	0	2,944	4,848
August	250	742	160	0	0	125	0	0	1,277	1,904
September	36	0	0	0	0	0	0	0	36	627
October	0	0	0	0	0	0	0	0	0	591
November	0	0	0	0	0	0	0	0	0	591
Total	2,794	2,764	2,573	1,795	456	167	0	0	10,549	

1992 Carry Over	0	0	0	0	0	0	0	0	0	591
November	0	0	0	0	0	0	0	0	0	591
December	0	0	0	0	0	0	0	0	0	591
Total	0	0	0	0	0	0	0	0	0	0

Note: 1992 Contract = 11,475 AcFt (Table 1 Ent'l @ 45% Allocation) + 35 AcFt (Share of La Hacienda Pumping) - 370 AcFt (Settlement Agreement Payback).

CITY OF BAKERSFIELD

**KERN RIVER CHANNEL OPERATIONS
CITY OF BAKERSFIELD**

Quantities in acre-feet

Year: 1992

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ Kern River at First Point of Measurement	13,593	20,711	25,451	25,777	33,548	38,600	40,967	31,928	10,195	7,789	10,383	13,880	272,822
- Computed Loss	676	633	676	655	676	655	676	676	655	676	655	676	7,985
- Beardsley Canal at Head	1,819	8,846	5,486	5,432	11,129	8,719	10,140	5,802	2,227	4,058	7,914	3,525	75,097
- Carrier Canal at Head	10,671	11,115	19,289	19,690	18,276	29,226	30,151	25,450	7,313	3,055	1,814	9,679	185,729
= Rocky Point Weir	427	117	0	0	3,467	0	0	0	0	0	0	0	4,011
+ Carrier Waste Gate	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Farmers-Stine-Anderson: to River	1,244	795	2,329	3,297	2,961	218	0	0	0	0	0	0	10,844
- Farmers-Stine-Anderson: from River	0	20	0	0	533	137	0	0	0	0	0	0	690
- Calloway Canal at Head	1,075	577	1,853	2,740	3,850	0	0	0	0	0	0	0	10,095
- River Loss: Rocky Pt. to Cally. Weir	523	315	476	557	2,045	67	0	0	0	0	0	0	3,983
= Calloway River Weir	73	0	0	0	0	14	0	0	0	0	0	0	87
+ CVC T.O. #4 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+ CVC T.O. #3 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Friant-Kern Inflow	0	0	0	0	0	0	0	0	0	0	0	287	287
- River Canal from River	0	0	0	0	0	0	0	0	0	0	0	0	0
- River Loss: Cally. Weir to River Canal Weir	73	0	0	0	0	14	0	0	0	0	0	287	374
= River Canal Weir	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Pioneer Turnout	417	14	0	0	0	0	0	0	0	0	0	1,051	1,482
+ CVC T.O. #2 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
- Rosedale Channel at Head	391	0	0	0	0	0	0	0	0	0	0	726	1,117
- Pioneer Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
- Berrenda Mesa Turnout	0	0	0	0	0	0	0	0	0	0	0	0	0
- River Loss: River Canal to Stockdale Hwy.	26	14	0	0	0	0	0	0	0	0	0	325	365
= Flow at Stockdale Highway	0	0	0	0	0	0	0	0	0	0	0	0	0
+ CVC T.O. #1 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+ River Canal T.O. to 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- Berrenda Mesa Spreading Grounds	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
= River Channel Below 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0

**CARRIER CANAL OPERATIONS
CITY OF BAKERSFIELD**

Year: 1992

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ Carrier Canal at Head	10,671	11,115	19,289	19,690	18,276	29,226	30,151	25,450	7,313	3,055	1,814	9,679	185,729
- Carrier Waste Gate	0	0	0	0	0	0	0	0	0	0	0	0	0
- Carrier Canal Filling Loss	0	0	0	0	0	0	0	0	0	0	84	0	84
+ Oilfield Discharge (Texaco Inc.)	143	0	0	0	0	0	0	0	0	0	0	0	143
= Carrier Reclamation Weir	10,814	11,115	19,289	19,690	18,276	29,226	30,151	25,450	7,313	3,055	1,730	9,679	185,788
+ Oilfield Discharge (Arco Oil)	22	0	0	0	0	0	0	0	0	0	0	0	22
+ Storm Drain Inflow/Canal Drainage	58	105	0	0	0	0	0	0	0	28	0	87	278
- Carrier Canal Filling Loss	0	0	0	0	0	0	0	0	0	0	38	0	38
- Eastside Canal at Head	0	0	1,152	1,997	2,955	2,928	3,060	2,493	742	0	0	0	15,327
- Kern Island Canal at Head	5,697	5,730	11,581	10,304	10,300	19,969	19,234	16,013	6,571	3,055	1,680	6,692	116,826
= Levees No. 1	5,197	5,490	6,556	7,389	5,021	6,329	7,857	6,944	0	28	12	3,074	53,897
- Farmers-Stine-Anderson: to River	1,244	795	2,329	3,297	2,961	218	0	0	0	0	0	0	10,844
+ Farmers-Stine-Anderson: from River	0	20	0	0	533	137	0	0	0	0	0	0	690
= Carrier Canal at Oak Street	3,953	4,715	4,227	4,092	2,593	6,248	7,857	6,944	0	28	12	3,074	43,743
- Stine Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
- Truxtun Lakes	188	89	0	0	262	0	0	0	0	0	0	659	1,198
- Arvin-Edison Turnout	0	0	964	1,071	0	0	0	0	0	0	0	0	2,035
- Total Carrier Canal Loss	542	588	657	681	748	863	788	414	0	28	12	702	6,023
+ River Canal from River	0	0	0	0	0	0	0	0	0	0	0	0	0
= River Canal at Stockdale Highway	3,223	4,038	2,606	2,340	1,583	5,385	7,069	6,530	0	0	0	1,713	34,487
- Buena Vista Canal at Head	2,806	4,024	1,563	1,168	1,563	4,883	0	0	0	0	0	662	16,689
- Pioneer Turnout	417	14	0	0	0	0	0	0	0	0	0	1,051	1,482
- James Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
= River Canal at Alternate Second Point	0	0	1,043	1,172	0	502	7,069	6,530	0	0	0	0	16,316
+ 2800 Acre Well Water Production	1,462	909	0	0	3,388	3,039	3,331	2,247	0	0	0	0	14,376
+ KCWA Well Water Production via River Canal	520	333	0	0	0	0	0	0	0	0	0	0	853
- River Canal Turnout	0	0	0	0	0	0	0	0	0	0	0	0	0
- Kern Delta WD via River Canal	0	0	0	0	168	595	1,180	885	0	0	0	0	2,828
= Second Point Group Flow via River Canal	1,982	1,242	1,043	1,172	3,220	2,946	9,220	7,892	0	0	0	0	28,717

Year: 1992

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

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	24	698	5,382	17,572	19,537	7,702	18	0	0	72	0	30	51,035
Release	1,279	569	1,144	1,015	545	0	0	0	354	960	1,190	1,078	8,134
ENTITLEMENT + OR - RELEASE	= 1,303	1,267	6,526	18,587	20,082	7,702	18	0	354	1,032	1,190	1,108	59,169
NKWSD to City	1,088	122	75	2	0	0	0	0	0	0	0	2,235	3,522
From Reservoir Storage	0	0	317	0	7,157	2,608	2,563	1,852	793	193	2	10	15,495
Into Reservoir Storage	43	23	762	7,181	4,784	2,419	0	510	0	0	0	126	15,848
Other	(1)	0	916	0	401	1,414	1,198	1,604	0	0	0	(11)	5,521
TOTAL SUPPLY	= 2,347	1,366	7,072	11,408	22,856	9,305	3,779	2,946	1,147	1,225	1,192	3,216	67,859

Lake Ming	16	16	44	60	77	105	127	121	91	65	42	26	790
Kern Valley Golf Course	3	4	5	22	31	33	33	34	27	14	6	0	212
Oicese Water District	0	0	0	0	0	96	209	235	182	126	75	30	953
North Kern WSD	99	383	1,120	2,690	10,000	4,651	478	395	34	14	13	153	20,030
Cawelo WD	63	748	1,268	4,094	5,400	1,748	478	395	127	646	1,055	740	16,762
Kern-Tulare WD	980	0	2,821	2,867	4,198	0	0	0	0	0	0	0	10,866
Rag Gulch WD	147	0	424	430	628	0	0	0	0	0	0	0	1,629
Rosedale RBWSD (Direct)	391	0	0	0	0	0	0	0	0	0	0	726	1,117
Rosedale RBWSD (via I.D. #4)	552	0	0	0	0	0	0	0	0	0	0	0	552
James-Pioneer ID	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Flanch ID	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern River Canal & Irrigating Co.	6	99	738	734	442	1,728	1,664	1,353	694	359	0	0	7,807
Truxtun Lakes (Direct)	0	0	0	0	0	0	0	0	0	0	0	659	659
Truxtun Lakes (via I.D. #4)	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	90	116	652	511	2,080	944	790	413	2	1	1	882	6,482
TOTAL DIVERTED	= 2,347	1,366	7,072	11,408	22,856	9,305	3,779	2,946	1,147	1,225	1,192	3,216	67,859

Into Reservoir Storage	43	23	762	7,181	4,784	2,419	0	510	0	0	0	126	15,848
Reservoir Evaporation Loss	53	43	61	195	340	293	239	158	91	39	23	25	1,560
From Reservoir Storage	0	0	317	0	7,157	2,608	2,563	1,852	793	193	2	10	15,495
End of Month Reservoir Storage	2,060	2,040	2,424	9,410	6,697	6,215	3,413	1,913	1,029	797	772	863	

CITY OF BAKERSFIELD
STATUS OF LONG TERM CONTRACTS

Quantities in acre-feet

NORTH KERN WATER STORAGE DISTRICT							CAWALO WATER DISTRICT						
Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract Delivered	Cumulative Contract Delivery	Basic Contract Balance		Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract Delivered	Cumulative Contract Delivery	Basic Contract Balance	
1977	20,000	20,000	20,000	20,000	0		1977	27,000	27,000	5,024	5,024	(21,976)	
1978	20,000	40,000	20,000	40,000	0		1978	27,000	54,000	35,404	40,428	(13,572)	
1979	20,000	60,000	20,000	60,000	0		1979	27,000	81,000	36,780	77,208	(3,792)	
1980	20,000	80,000	20,000	80,000	0		1980	27,000	108,000	30,792	108,000	0	
1981	20,000	100,000	20,000	100,000	0		1981	27,000	135,000	27,000	135,000	0	
1982	20,000	120,000	20,000	120,000	0		1982	27,000	162,000	27,000	162,000	0	
1983	20,000	140,000	20,000	140,000	0		1983	27,000	189,000	27,000	189,000	0	
1984	20,000	160,000	20,000	160,000	0		1984	27,000	216,000	27,000	216,000	0	
1985	20,000	180,000	20,000	180,000	0		1985	27,000	243,000	27,000	243,000	0	
1986	20,000	200,000	20,000	200,000	0		1986	27,000	270,000	27,000	270,000	0	
1987	20,000	220,000	20,000	220,000	0		1987	27,000	297,000	27,000	297,000	0	
1988	20,000	240,000	20,000	240,000	0		1988	27,000	324,000	12,821	309,821	(14,179)	
1989	20,000	260,000	20,000	260,000	0		1989	27,000	351,000	22,460	332,281	(18,719)	
1990	20,000	280,000	20,000	280,000	0		1990	27,000	378,000	17,723	350,004	(27,996)	
1991	20,000	300,000	20,000	300,000	0		1991	27,000	405,000	29,316	379,320	(25,680)	
1992	20,000	320,000	14,381	314,381	(5,619)		1992	27,000	432,000	28,868	408,188	(23,812)	

KERN-TULARE WATER DISTRICT							RAG GULCH WATER DISTRICT						
Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract Delivered	Cumulative Contract Delivery	Basic Contract Balance		Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract Delivered	Cumulative Contract Delivery	Basic Contract Balance	
1977	20,000	20,000	4,673	4,673	(15,327)		1977	3,000	3,000	449	449	(2,551)	
1978	20,000	40,000	23,690	28,363	(11,637)		1978	3,000	6,000	3,550	3,999	(2,001)	
1979	20,000	60,000	24,122	52,485	(7,515)		1979	3,000	9,000	3,550	7,549	(1,451)	
1980	20,000	80,000	23,403	75,888	(4,112)		1980	3,000	12,000	3,550	11,099	(901)	
1981	20,000	100,000	23,700	99,588	(412)		1981	3,000	15,000	3,550	14,649	(351)	
1982	20,000	120,000	20,412	120,000	0		1982	3,000	18,000	3,351	18,000	0	
1983	20,000	140,000	20,000	140,000	0		1983	3,000	21,000	3,000	21,000	0	
1984	20,000	160,000	20,000	160,000	0		1984	3,000	24,000	3,000	24,000	0	
1985	20,000	180,000	20,000	180,000	0		1985	3,000	27,000	3,000	27,000	0	
1986	20,000	200,000	20,000	200,000	0		1986	3,000	30,000	3,000	30,000	0	
1987	20,000	220,000	20,000	220,000	0		1987	3,000	33,000	3,000	33,000	0	
1988	20,000	240,000	11,763	231,763	(8,237)		1988	3,000	36,000	1,764	34,764	(1,236)	
1989	20,000	260,000	16,635	248,398	(11,602)		1989	3,000	39,000	2,495	37,259	(1,741)	
1990	20,000	280,000	0	248,398	(31,602)		1990	3,000	42,000	0	37,259	(4,741)	
1991	20,000	300,000	20,000	268,398	(31,602)		1991	3,000	45,000	3,000	40,259	(4,741)	
1992	20,000	320,000	9,089	277,487	(42,513)		1992	3,000	48,000	1,963	41,622	(6,378)	

CITY OF BAKERSFIELD
Deliveries to Long Term Contractors

Basic Contract

Year: 1992

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	1,268	1,268	2,024	2,024	305	305	3,597	3,597
April	182	182	4,094	5,362	2,867	4,891	430	735	7,573	11,170
May	10,000	10,182	5,400	10,762	4,198	9,089	628	1,363	20,226	31,396
June	4,151	14,333	1,248	12,010	0	9,089	0	1,363	5,399	36,795
July	0	14,333	798	12,808	0	9,089	0	1,363	798	37,593
August	0	14,333	4,399	17,207	0	9,089	0	1,363	4,399	41,992
September	34	14,367	4,276	21,483	0	9,089	0	1,363	4,310	46,302
October	14	14,381	3,481	24,964	0	9,089	0	1,363	3,495	49,797
November	0	14,381	2,464	27,428	0	9,089	0	1,363	2,464	52,261
December	0	14,381	1,440	28,868	0	9,089	0	1,363	1,440	53,701
Year Total	14,381		28,868		9,089		1,363		53,701	

Note: 1) Includes water delivered as per terms of City of Bakersfield/Cawelo Water District letter agreement dated July 15, 1992.

City of Bakersfield Diverted to North Kern WSD (Basic Contract) (Does not include deliveries into Isabella Reservoir storage)												Year: 1992			
DISCHARGE IN CUBIC FEET PER SECOND															
DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			
1	0	0	0	0	28	74	0	0	0	0	0	0			
2	0	0	0	0	34	47	0	0	0	0	0	0			
3	0	0	0	0	25	61	0	0	0	0	0	0			
4	0	0	0	0	27	72	0	0	0	0	0	0			
5	0	0	0	0	38	55	0	0	0	0	0	0			
6	0	0	0	0	35	49	0	0	0	0	0	0			
7	0	0	0	0	33	27	0	0	0	0	0	0			
8	0	0	0	0	10	36	0	0	0	0	0	0			
9	0	0	0	0	9	19	0	0	0	0	0	0			
10	0	0	0	0	0	29	0	0	2	0	0	0			
11	0	0	0	0	0	30	0	0	4	0	0	0			
12	0	0	0	0	0	65	0	0	0	0	0	0			
13	0	0	0	0	0	74	0	0	0	0	0	0			
14	0	0	0	0	0	78	0	0	0	0	0	0			
15	0	0	0	0	4	54	0	0	0	0	0	0			
16	0	0	0	0	8	45	0	0	0	0	0	0			
17	0	0	0	0	30	24	0	0	0	0	0	0			
18	0	0	0	0	48	37	0	0	0	0	0	0			
19	0	0	0	0	50	89	0	0	5	0	0	0			
20	0	0	0	0	81	93	0	0	6	0	0	0			
21	0	0	0	0	80	97	0	0	0	0	0	0			
22	0	0	0	0	68	123	0	0	0	0	0	0			
23	0	0	0	0	68	100	0	0	0	7	0	0			
24	0	0	0	0	87	81	0	0	0	0	0	0			
25	0	0	0	0	84	72	0	0	0	0	0	0			
26	0	0	0	13	85	67	0	0	0	0	0	0			
27	0	0	0	31	88	58	0	0	0	0	0	0			
28	0	0	0	10	99	52	0	0	0	0	0	0			
29	0	0	0	10	73	55	0	0	0	0	0	0			
30	0	-	0	28	86	61	0	0	0	0	0	0			
31	0	-	0	-	87	-	0	0	-	0	0	0			
TOTAL	0	0	0	92	1,365	1,824	0	0	17	7	0	0			
MAXIMUM DAY	0	0	0	31	99	123	0	0	6	7	0	0			
MINIMUM DAY	0	0	0	0	0	19	0	0	0	0	0	0			
MEAN	0	0	0	3	44	61	0	0	1	0	0	0			
TOTAL AC.FT.	0	0	0	182	2,707	3,618	0	0	34	14	0	0			
WHOLE YEAR:-	TOTAL,	3,305	MAX.,	123	MIN.,	0	MEAN,	9	TOTAL AC.FT.,	6,555					

DISCHARGE IN CUBIC FEET PER SECOND **City of Bakersfield Diverted to North Kern WSD** **Year: 1992**
(2800 Acre Well Water Purchase)

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	15	4	10	0	0	0	0
2	0	0	0	0	0	15	3	10	0	0	0	0
3	0	0	0	0	0	15	4	13	0	0	0	0
4	0	0	0	0	0	15	4	16	0	0	0	0
5	0	0	0	0	0	15	4	14	0	0	0	0
6	0	0	0	0	0	15	4	10	0	0	0	0
7	0	0	0	0	0	15	4	10	0	0	0	0
8	0	0	0	0	0	15	4	10	0	0	0	0
9	0	0	0	0	0	15	10	10	0	0	0	0
10	0	0	0	0	0	15	9	10	0	0	0	0
11	0	0	0	0	0	15	9	12	0	0	0	0
12	0	0	0	0	0	8	10	11	0	0	0	0
13	0	0	0	0	0	6	9	15	0	0	0	0
14	0	0	0	0	0	5	10	10	0	0	0	0
15	0	0	0	0	0	6	9	9	0	0	0	0
16	0	0	0	0	0	6	9	9	0	0	0	0
17	0	0	0	0	0	6	9	11	0	0	0	0
18	0	0	0	0	0	3	9	9	0	0	0	0
19	0	0	0	0	0	5	10	0	0	0	0	0
20	0	0	0	0	0	3	8	0	0	0	0	0
21	0	0	0	0	0	4	9	0	0	0	0	0
22	0	0	0	0	0	4	10	0	0	0	0	0
23	0	0	0	0	0	4	9	0	0	0	0	0
24	0	0	0	0	0	4	9	0	0	0	0	0
25	0	0	0	0	0	4	9	0	0	0	0	0
26	0	0	0	0	0	3	9	0	0	0	0	0
27	0	0	0	0	0	4	10	0	0	0	0	0
28	0	0	0	0	0	5	8	0	0	0	0	0
29	0	0	0	0	0	3	9	0	0	0	0	0
30	0	0	0	0	0	4	8	0	0	0	0	0
31	0	0	0	0	0	0	9	0	0	0	0	0
TOTAL	0	0	0	0	0	252	241	199	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	15	10	16	0	0	0	0
MINIMUM DAY	0	0	0	0	0	3	3	0	0	0	0	0
MEAN	0	0	0	0	0	8	8	6	0	0	0	0
TOTAL AC.FT.	0	0	0	0	0	500	478	395	0	0	0	0
WHOLE YEAR:-	TOTAL,	692	MAX.,	16	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,373		

CAWELO WATER DISTRICT OPERATIONS

Quantities in acre-feet

Year: 1992

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+ Cawelo WD via Pump Station "B"	95	0	1,460	3,042	6,775	8,785	8,489	6,238	3,746	2,501	1,781	1,085	43,997
Lerdo Delivery Gate No. 8-0-2	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-10	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-22	0	0	131	175	161	317	250	262	73	65	0	0	1,434
Lerdo Delivery Gate No. 8-0-25	0	0	0	0	0	0	0	0	0	0	0	4	4
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. 8-0-291	0	0	36	48	111	107	77	83	36	97	34	0	629
Lerdo Delivery Gate No. 8-0-292	0	0	10	22	32	40	38	10	18	14	6	0	190
+ Total Lerdo Gate Deliveries	0	0	177	245	304	464	365	355	127	176	40	4	2,257
Beardsley Canal Loss	6	0	61	60	61	60	61	61	60	61	60	61	612
Lerdo Loss	0	0	18	35	74	97	92	70	40	29	19	11	485
+ Total Loss	6	0	79	95	135	157	153	131	100	90	79	72	1,097
= Total Diverted for Cawelo WD	101	0	1,716	3,382	7,214	9,406	9,007	6,724	3,973	2,767	1,900	1,161	47,351

Cawelo Water District Source of Supply:

+ City of Bakersfield Basic Contract	0	0	1,214	2,854	5,400	1,248	0	0	127	0	0	0	10,843
+ City of Bakersfield Miscellaneous	63	0	0	0	0	0	0	0	0	646	1,055	740	2,504
+ City of Bakersfield 2800 Acre Well Water Purchase	38	0	502	528	599	520	579	510	467	176	240	289	4,448
+ City of Bakersfield Oilfield Discharge	0	0	0	0	1,215	1,125	2,222	1,303	42	93	0	0	6,000
+ Buena Vista WSD Exchange	0	0	0	0	0	0	593	708	613	675	93	132	2,814
+ Kern Delta WD Exchange	0	0	0	0	0	0	0	0	36	237	476	0	749
+ North Kern WSD Exchange	0	0	0	0	0	6,013	5,135	3,808	2,688	940	36	0	18,620
+ via CVC Conduit "A"	0	0	0	0	0	0	0	0	0	0	0	0	0
- North Kern WSD Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
= Total Cawelo Water District Supply	101	0	1,716	3,382	7,214	9,406	9,007	6,724	3,973	2,767	1,900	1,161	47,351

Year: 1992

Cawelo Water District Total from Beardesley-Lerdo Canal System

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	25	33	97	151	166	124	96	57	66	18
2	0	0	23	35	96	153	166	124	95	58	75	12
3	0	0	26	61	94	197	165	124	96	57	55	12
4	0	0	20	57	93	193	166	131	60	57	24	14
5	0	0	17	55	97	191	165	130	55	63	23	16
6	0	0	25	50	98	168	163	130	54	47	19	16
7	0	0	17	49	128	166	164	131	59	49	17	18
8	0	0	22	50	143	169	165	115	59	45	18	19
9	0	0	22	49	142	168	168	116	43	39	28	18
10	0	0	21	52	147	167	166	119	41	38	24	18
11	0	0	26	52	145	167	164	100	39	38	24	23
12	0	0	27	53	146	165	162	99	54	48	28	26
13	0	0	22	50	98	147	163	117	56	44	52	27
14	0	0	17	50	95	148	165	111	55	58	53	18
15	0	0	22	49	95	150	132	126	71	54	52	19
16	0	0	17	50	92	146	131	126	87	57	53	19
17	0	0	34	49	92	150	131	128	106	40	17	18
18	0	0	38	54	92	115	132	111	106	41	17	19
19	0	0	38	53	109	114	128	111	73	39	17	18
20	0	0	37	57	113	111	128	95	73	40	34	18
21	0	0	34	59	114	111	132	94	77	39	35	18
22	0	0	35	59	130	150	131	89	77	38	34	18
23	0	0	33	58	127	191	131	89	78	17	34	18
24	0	0	33	73	126	192	128	89	57	19	26	19
25	0	0	34	72	132	192	127	89	58	18	23	18
26	0	0	33	66	136	151	124	96	57	38	23	18
27	0	0	33	73	136	152	124	79	57	41	23	18
28	0	0	34	73	135	148	130	98	54	43	23	23
29	17	0	33	74	133	152	147	99	55	55	23	24
30	17	-	33	90	127	167	148	99	55	52	18	23
31	17	-	34	-	129	-	129	101	-	66	-	23
TOTAL	51	0	865	1,705	3,637	4,742	4,541	3,390	2,003	1,395	958	586
MAXIMUM DAY	17	0	38	90	147	197	168	131	106	66	75	27
MINIMUM DAY	0	0	17	33	92	111	124	79	39	17	17	12
MEAN	2	0	28	57	117	158	146	109	67	45	32	19
TOTAL AC.FT.	101	0	1,716	3,382	7,214	9,406	9,007	6,724	3,973	2,767	1,900	1,161
WHOLE YEAR:-	TOTAL,	23,873	MAX.,	197	MIN.,	0	MEAN,	65	TOTAL AC.FT.,	47,351		

City of Bakersfield Diverted to Cawelo Water District
via Beardstley Canal Headgate
(Basic Contract)

Year: 1992

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	14	24	87	90	0	0	0	0	0	0
2	0	0	15	27	86	90	0	0	0	0	0	0
3	0	0	17	53	84	90	0	0	0	0	0	0
4	0	0	13	48	83	90	0	0	0	0	0	0
5	0	0	10	45	87	90	0	0	0	0	0	0
6	0	0	14	42	89	90	0	0	0	0	0	0
7	0	0	6	42	100	90	0	0	0	0	0	0
8	0	0	13	43	88	0	0	0	0	0	0	0
9	0	0	14	41	88	0	0	0	0	0	0	0
10	0	0	15	44	88	0	0	0	5	0	0	0
11	0	0	19	43	88	0	0	0	11	0	0	0
12	0	0	20	43	88	0	0	0	16	0	0	0
13	0	0	15	42	88	0	0	0	17	0	0	0
14	0	0	11	43	86	0	0	0	11	0	0	0
15	0	0	17	42	94	0	0	0	0	0	0	0
16	0	0	12	41	81	0	0	0	4	0	0	0
17	0	0	26	39	82	0	0	0	0	0	0	0
18	0	0	29	43	83	0	0	0	0	0	0	0
19	0	0	29	43	101	0	0	0	0	0	0	0
20	0	0	28	48	94	0	0	0	0	0	0	0
21	0	0	25	50	88	0	0	0	0	0	0	0
22	0	0	25	50	88	0	0	0	0	0	0	0
23	0	0	25	48	88	0	0	0	0	0	0	0
24	0	0	26	64	88	0	0	0	0	0	0	0
25	0	0	26	63	88	0	0	0	0	0	0	0
26	0	0	26	55	88	0	0	0	0	0	0	0
27	0	0	25	62	88	0	0	0	0	0	0	0
28	0	0	25	64	88	0	0	0	0	0	0	0
29	0	0	23	66	88	0	0	0	0	0	0	0
30	0	0	23	81	88	0	0	0	0	0	0	0
31	0	0	26	-	88	-	0	0	-	0	-	0
TOTAL	0	0	612	1,439	2,723	630	0	0	64	0	0	0
MAXIMUM DAY	0	0	29	81	101	90	0	0	17	0	0	0
MINIMUM DAY	0	0	6	24	81	0	0	0	0	0	0	0
MEAN	0	0	20	48	88	21	0	0	2	0	0	0
TOTAL AC.FT.	0	0	1,214	2,854	5,400	1,248	0	0	127	0	0	0
WHOLE YEAR:-	TOTAL,	5,468	MAX.,	101	MIN.,	0	MEAN,	15	TOTAL AC.FT.,	10,843		

City of Bakersfield Diverted for Cawelo Water District
via Arvin-Edison Turnout
(Basic Contract)

Year: 1992

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	8	0	0	0	0	0	0	0	0	0
12	0	0	7	0	0	0	0	0	0	0	0	0
13	0	0	12	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	12	0	0	0	0	0	0	0	0
17	0	0	0	64	0	0	0	0	0	0	0	0
18	0	0	0	64	0	0	0	0	0	0	0	0
19	0	0	0	64	0	0	0	0	0	0	0	0
20	0	0	0	67	0	0	0	0	0	0	0	0
21	0	0	0	67	0	0	0	0	0	0	0	0
22	0	0	0	67	0	0	0	0	0	0	0	0
23	0	0	0	68	0	0	0	0	0	0	0	0
24	0	0	0	64	0	0	0	0	0	0	0	0
25	0	0	0	53	0	0	0	0	0	0	0	0
26	0	0	0	35	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	27	625	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	12	68	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	21	0	0	0	0	0	0	0	0
TOTAL AC.FT.	0	0	54	1,240	0	0	0	0	0	0	0	0
WHOLE YEAR--	TOTAL,	652	MAX.,	68	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,294		

City of Bakersfield Diverted to Cawelo Water District
via Beardstey Canal Headgate
(Miscellaneous)

Year: 1992

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	18	11
2	0	0	0	0	0	0	0	0	0	0	17	0
3	0	0	0	0	0	0	0	0	0	0	17	0
4	0	0	0	0	0	0	0	0	0	0	16	2
5	0	0	0	0	0	0	0	0	0	0	18	7
6	0	0	0	0	0	0	0	0	0	0	18	1
7	0	0	0	0	0	0	0	0	0	2	17	7
8	0	0	0	0	0	0	0	0	0	6	18	14
9	0	0	0	0	0	0	0	0	0	19	18	13
10	0	0	0	0	0	0	0	0	0	19	17	13
11	0	0	0	0	0	0	0	0	0	19	18	15
12	0	0	0	0	0	0	0	0	0	15	18	18
13	0	0	0	0	0	0	0	0	0	9	18	18
14	0	0	0	0	0	0	0	0	0	12	18	11
15	0	0	0	0	0	0	0	0	0	15	18	18
16	0	0	0	0	0	0	0	0	0	15	18	19
17	0	0	0	0	0	0	0	0	0	13	17	15
18	0	0	0	0	0	0	0	0	0	16	17	11
19	0	0	0	0	0	0	0	0	0	11	17	12
20	0	0	0	0	0	0	0	0	0	10	18	13
21	0	0	0	0	0	0	0	0	0	15	17	13
22	0	0	0	0	0	0	0	0	0	15	18	12
23	0	0	0	0	0	0	0	0	0	10	19	12
24	0	0	0	0	0	0	0	0	0	14	18	13
25	0	0	0	0	0	0	0	0	0	11	18	12
26	0	0	0	0	0	0	0	0	0	12	18	12
27	0	0	0	0	0	0	0	0	0	12	18	12
28	0	0	0	0	0	0	0	0	0	10	19	17
29	9	0	0	0	0	0	0	0	0	13	18	18
30	9	-	0	0	0	0	0	0	0	19	18	17
31	14	-	0	-	0	-	0	0	-	14	-	17
TOTAL	32	0	0	0	0	0	0	0	0	326	532	373
MAXIMUM DAY	14	0	0	0	0	0	0	0	0	19	19	19
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	0	0	0	11	18	12
TOTAL AC.FT.	63	0	0	0	0	0	0	0	0	646	1,055	740
WHOLE YEAR:-	TOTAL,	1,263	MAX.,	19	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	2,504		

City of Bakersfield Diverted for Cawelo Water District
(Kern-Tulare WD Exchange Payback Delivered via Calloway Canal Headgate) Year: 1992
(Miscellaneous)

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	37	0	0	0	0	0	0	0	0	0	0
14	0	16	0	0	0	0	0	0	0	0	0	0
15	0	15	0	0	0	0	0	0	0	0	0	0
16	0	21	0	0	0	0	0	0	0	0	0	0
17	0	13	0	0	0	0	0	0	0	0	0	0
18	0	20	0	0	0	0	0	0	0	0	0	0
19	0	26	0	0	0	0	0	0	0	0	0	0
20	0	26	0	0	0	0	0	0	0	0	0	0
21	0	22	0	0	0	0	0	0	0	0	0	0
22	0	20	0	0	0	0	0	0	0	0	0	0
23	0	27	0	0	0	0	0	0	0	0	0	0
24	0	31	0	0	0	0	0	0	0	0	0	0
25	0	20	0	0	0	0	0	0	0	0	0	0
26	0	17	0	0	0	0	0	0	0	0	0	0
27	0	27	0	0	0	0	0	0	0	0	0	0
28	0	23	0	0	0	0	0	0	0	0	0	0
29	0	16	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	377	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	37	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	13	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	0	748	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR--	TOTAL,	377	MAX.,	37	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	748		

City of Bakersfield Diverted to Cawelo Water District
(2800 Acre Well Water Purchase) Year: 1992

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	15	4	10	0	0	0	0
2	0	0	0	0	0	15	4	10	0	0	0	0
3	0	0	0	0	0	15	4	13	0	0	0	0
4	0	0	0	0	0	15	4	16	0	0	0	0
5	0	0	0	0	0	15	4	14	0	0	0	0
6	0	0	0	0	0	15	4	10	0	0	0	0
7	0	0	0	0	0	15	4	10	0	0	0	0
8	0	0	0	0	0	15	4	10	0	0	0	0
9	0	0	0	0	0	15	9	10	0	0	0	0
10	0	0	0	0	0	15	9	10	0	0	0	0
11	0	0	0	0	0	15	10	12	0	0	0	0
12	0	0	0	0	0	9	9	11	0	0	0	0
13	0	0	0	0	0	5	10	15	0	0	0	0
14	0	0	0	0	0	6	9	10	0	0	0	0
15	0	0	0	0	0	5	9	9	0	0	0	0
16	0	0	0	0	0	6	9	9	0	0	0	0
17	0	0	0	0	0	6	9	11	0	0	0	0
18	0	0	0	0	0	4	10	9	0	0	0	0
19	0	0	0	0	0	4	9	0	0	0	0	0
20	0	0	0	0	0	4	9	0	0	0	0	0
21	0	0	0	0	0	4	9	0	0	0	0	0
22	0	0	0	0	0	4	9	0	0	0	0	0
23	0	0	0	0	0	4	9	0	0	0	0	0
24	0	0	0	0	0	4	9	0	0	0	0	0
25	0	0	0	0	0	3	9	0	0	0	0	0
26	0	0	0	0	0	4	10	0	0	0	0	0
27	0	0	0	0	0	4	9	0	0	0	0	0
28	0	0	0	0	0	4	9	0	0	0	0	0
29	0	0	0	0	0	4	9	0	0	0	0	0
30	0	-	0	0	0	3	8	0	0	0	0	0
31	0	-	0	-	0	-	8	0	-	0	-	0
TOTAL	0	0	0	0	0	252	241	199	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	15	10	16	0	0	0	0
MINIMUM DAY	0	0	0	0	0	3	4	0	0	0	0	0
MEAN	0	0	0	0	0	8	8	6	0	0	0	0
TOTAL AC.FT.	0	0	0	0	0	500	478	395	0	0	0	0
WHOLE YEAR:-	TOTAL,	692	MAX.,	16	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,373		

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

Year: 1992

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	11	9	10	9	9	10	8	9	2	0
2	0	0	8	8	10	9	9	12	5	10	0	0
3	0	0	9	8	10	9	10	9	6	10	0	0
4	0	0	7	9	10	8	10	6	6	10	0	0
5	0	0	7	10	10	9	10	7	6	10	2	1
6	0	0	11	8	9	9	9	11	6	9	1	5
7	0	0	11	7	8	10	9	10	6	8	0	5
8	0	0	9	7	10	9	9	10	7	8	0	5
9	0	0	8	8	11	8	10	10	6	1	8	5
10	0	0	6	8	11	7	9	9	8	7	2	5
11	0	0	7	9	11	8	10	8	8	6	3	8
12	0	0	7	10	9	9	11	7	9	0	8	8
13	0	0	7	8	8	10	10	4	10	0	7	9
14	0	0	6	7	9	9	9	3	9	0	9	7
15	0	0	5	7	11	7	9	13	11	0	10	1
16	0	0	5	9	11	7	9	9	8	0	9	0
17	0	0	8	10	10	8	9	8	6	0	0	3
18	0	0	9	11	9	9	10	9	6	0	0	8
19	0	0	9	10	8	11	10	8	9	0	0	6
20	0	0	9	9	9	7	10	5	10	0	8	5
21	0	0	9	9	9	8	9	1	9	0	9	5
22	0	0	10	9	12	8	8	9	9	0	12	6
23	0	0	8	10	11	9	9	10	9	1	5	6
24	0	0	7	9	10	8	9	10	9	0	5	6
25	0	0	8	9	10	8	10	8	8	0	4	6
26	0	0	7	11	9	10	10	8	9	0	4	6
27	0	0	8	11	9	11	10	8	10	0	5	6
28	0	0	9	9	9	10	9	9	7	0	4	6
29	8	0	10	8	10	9	9	10	8	0	4	6
30	8	-	10	9	10	9	9	7	8	0	0	6
31	3	-	8	-	9	-	9	9	-	0	-	6
TOTAL	19	0	253	266	302	262	292	257	236	89	121	146
MAXIMUM DAY	8	0	11	11	12	11	11	13	11	10	12	9
MINIMUM DAY	0	0	5	7	8	7	8	1	5	0	0	0
MEAN	1	0	8	9	10	9	9	8	8	3	4	5
TOTAL AC.FT.	38	0	502	528	599	520	579	510	467	176	240	289
WHOLE YEAR:-	TOTAL,	2,243	MAX.,	13	MIN.,	0	MEAN,	6	TOTAL AC.FT.,	4,448		

Year: 1992

Buena Vista WSD Diverted to Cawelo WD

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	27	7	21	21	0	0	0
2	0	0	0	0	0	39	5	19	0	0	0	0
3	0	0	0	0	0	32	32	22	0	0	0	0
4	0	0	0	0	0	32	32	29	0	0	0	0
5	0	0	0	0	0	29	32	28	0	0	0	0
6	0	0	0	0	0	6	30	26	0	0	0	0
7	0	0	0	0	20	3	32	28	0	0	0	0
8	0	0	0	0	45	3	32	13	0	0	0	0
9	0	0	0	0	43	3	30	13	0	4	0	0
10	0	0	0	0	48	3	28	17	0	0	0	0
11	0	0	0	0	46	2	21	23	0	0	0	0
12	0	0	0	0	49	9	16	23	0	16	0	0
13	0	0	0	0	2	18	17	15	0	19	0	0
14	0	0	0	0	0	19	21	6	0	8	0	0
15	0	0	0	0	0	24	7	21	0	0	0	0
16	0	0	0	0	0	19	52	25	0	0	0	0
17	0	0	0	0	0	22	52	27	0	0	0	0
18	0	0	0	0	0	7	51	10	0	0	0	0
19	0	0	0	0	0	4	48	20	0	0	0	0
20	0	0	0	0	10	5	48	8	0	0	0	0
21	0	0	0	0	17	4	53	1	0	0	0	0
22	0	0	0	0	30	24	53	22	0	0	0	0
23	0	0	0	0	28	40	52	22	0	0	0	0
24	0	0	0	0	28	42	49	21	0	0	0	0
25	0	0	0	0	34	43	47	23	0	0	0	0
26	0	0	0	0	39	23	46	31	0	0	0	0
27	0	0	0	0	39	23	47	13	0	0	0	0
28	0	0	0	0	38	20	53	31	0	0	0	0
29	0	0	0	0	35	25	46	31	0	0	0	0
30	0	-	0	0	29	17	48	34	0	0	0	0
31	0	-	0	-	32	-	33	34	-	0	-	0
TOTAL	0	0	0	0	612	567	1,120	657	21	47	0	0
MAXIMUM DAY	0	0	0	0	49	43	53	34	21	19	0	0
MINIMUM DAY	0	0	0	0	0	2	5	1	0	0	0	0
MEAN	0	0	0	0	20	19	36	21	1	2	0	0
TOTAL AC.FT.	0	0	0	0	1,215	1,125	2,222	1,303	42	93	0	0
WHOLE YEAR:-	TOTAL,	3,024	MAX.,	53	MIN.,	0	MEAN,	8	TOTAL AC.FT.,	6,000	0	0

Total Diverted via
Cross Valley Canal Conduit "A"
Year: 1992

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	10	138	71	55	34	18	0
2	0	0	0	0	0	0	138	71	78	35	0	0
3	0	0	0	0	0	51	114	71	78	34	0	0
4	0	0	0	0	0	48	114	71	42	34	0	0
5	0	0	0	0	0	48	114	71	37	41	0	0
6	0	0	0	0	0	48	114	71	36	24	0	0
7	0	0	0	0	0	48	114	71	41	25	0	0
8	0	0	0	0	0	142	114	71	40	13	0	0
9	0	0	0	0	0	142	114	71	25	0	0	0
10	0	0	0	0	0	142	114	71	23	0	0	0
11	0	0	0	0	0	142	114	46	20	0	0	0
12	0	0	0	0	0	138	114	46	29	0	0	0
13	0	0	0	0	0	114	114	71	29	0	0	0
14	0	0	0	0	0	114	114	81	29	21	0	0
15	0	0	0	0	0	114	95	71	48	25	0	0
16	0	0	0	20	0	114	49	71	63	27	0	0
17	0	0	0	20	0	114	49	71	88	10	0	0
18	0	0	0	20	0	95	49	71	88	11	0	0
19	0	0	0	20	0	95	49	71	53	10	0	0
20	0	0	0	30	0	95	49	71	52	10	0	0
21	0	0	0	30	0	95	49	80	56	10	0	0
22	0	0	0	43	0	114	49	46	56	10	0	0
23	0	0	0	90	0	138	49	46	57	0	0	0
24	0	0	0	50	0	138	49	46	34	0	0	0
25	0	0	0	30	0	138	49	46	35	0	0	0
26	0	0	0	30	0	114	49	46	34	14	0	0
27	0	0	0	7	0	114	49	46	34	10	0	0
28	0	0	0	0	0	114	49	46	31	13	0	0
29	0	0	0	0	0	114	71	46	32	24	0	0
30	0	-	0	0	0	138	71	46	32	21	0	0
31	0	-	0	-	0	-	71	46	-	18	-	0
TOTAL	0	0	0	390	0	3,031	2,589	1,920	1,355	474	18	0
MAXIMUM DAY	0	0	0	90	0	142	138	81	88	41	18	0
MINIMUM DAY	0	0	0	0	0	0	49	46	20	0	0	0
MEAN	0	0	0	13	0	101	84	62	45	15	1	0
TOTAL AC.FT.	0	0	0	774	0	6,013	5,135	3,808	2,688	940	36	0
WHOLE YEAR:-	TOTAL,	9,777	MAX.,	142	MIN.,	0	MEAN,	27	TOTAL AC.FT.,	19,394		

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

Quantities in acre-feet

Year: 1992

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+ Total Basic Contract Diverted	0	0	2,329	3,297	4,826	0	0	0	0	0	0	0	10,452
- Kern-Tulare Water District	0	0	2,024	2,867	4,198	0	0	0	0	0	0	0	9,089
= Rag Gulch Water District	0	0	305	430	628	0	0	0	0	0	0	0	1,363
+ Total Misc. Quantity Diverted	1,127	0	0	0	0	0	0	0	0	0	0	0	1,127
- Kern-Tulare Water District	980	0	0	0	0	0	0	0	0	0	0	0	980
= Rag Gulch Water District	147	0	0	0	0	0	0	0	0	0	0	0	147
= Total Diverted	1,127	0	2,329	3,297	4,826	0	0	0	0	0	0	0	11,579
via Calloway Canal	728	0	1,853	2,740	3,850	0	0	0	0	0	0	0	9,171
+ River Transportation Loss/Spreading	340	0	476	557	668	0	0	0	0	0	0	0	2,041
+ Carrier Canal Recharge	59	0	0	0	308	0	0	0	0	0	0	0	367
+ To North Kern Water Storage District	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
- Total Diverted to I.D. #4	1,127	0	2,329	3,297	4,826	0	0	0	0	0	0	0	11,579
- Kern-Tulare Water District	980	0	2,024	2,867	4,198	0	0	0	0	0	0	0	10,069
= Rag Gulch Water District	147	0	305	430	628	0	0	0	0	0	0	0	1,510
via Arvin-Edison Turnout	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Canal Transportation Loss	0	0	0	0	0	0	0	0	0	0	0	0	0
= Total Diverted to Arvin-Edison T.O.	0	0	0	0	0	0	0	0	0	0	0	0	0
- 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	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

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

Year: 1992

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	31	23	66	0	0	0	0	0	0	0
2	0	0	33	27	74	0	0	0	0	0	0	0
3	0	0	31	33	70	0	0	0	0	0	0	0
4	0	0	27	44	60	0	0	0	0	0	0	0
5	0	0	35	46	57	0	0	0	0	0	0	0
6	0	0	36	50	55	0	0	0	0	0	0	0
7	0	0	25	55	51	0	0	0	0	0	0	0
8	0	0	30	50	52	0	0	0	0	0	0	0
9	0	0	25	41	61	0	0	0	0	0	0	0
10	0	0	28	50	62	0	0	0	0	0	0	0
11	0	0	37	54	69	0	0	0	0	0	0	0
12	0	0	35	50	90	0	0	0	0	0	0	0
13	0	0	31	53	94	0	0	0	0	0	0	0
14	0	0	30	58	86	0	0	0	0	0	0	0
15	0	0	31	48	80	0	0	0	0	0	0	0
16	0	0	30	50	66	0	0	0	0	0	0	0
17	0	0	33	42	50	0	0	0	0	0	0	0
18	0	0	50	45	51	0	0	0	0	0	0	0
19	0	0	46	49	63	0	0	0	0	0	0	0
20	0	0	29	54	74	0	0	0	0	0	0	0
21	0	0	30	56	67	0	0	0	0	0	0	0
22	0	0	30	51	62	0	0	0	0	0	0	0
23	0	0	25	48	69	0	0	0	0	0	0	0
24	0	0	30	50	59	0	0	0	0	0	0	0
25	0	0	41	52	64	0	0	0	0	0	0	0
26	0	0	41	56	68	0	0	0	0	0	0	0
27	0	0	36	50	66	0	0	0	0	0	0	0
28	0	0	37	58	63	0	0	0	0	0	0	0
29	0	0	33	53	79	0	0	0	0	0	0	0
30	0	-	34	49	97	0	0	0	0	0	0	0
31	0	-	30	-	91	-	0	0	-	0	-	0
TOTAL	0	0	1,020	1,445	2,116	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	50	58	97	0	0	0	0	0	0	0
MINIMUM DAY	0	0	25	23	50	0	0	0	0	0	0	0
MEAN	0	0	33	48	68	0	0	0	0	0	0	0
TOTAL AC.FT.	0	0	2,024	2,867	4,198	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	4,581	MAX.,	97	MIN.,	0	MEAN,	13	TOTAL AC.FT.,	9,089		

City of Bakersfield Diverted for Kern-Tulare WD
(Kern-Tulare WD/Improvement District No. 4 Exchange)
(Miscellaneous)

Year: 1992

DISCHARGE IN CUBIC FEET PER SECOND	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DATE												
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	11	0	0	0	0	0	0	0	0	0	0	0
11	30	0	0	0	0	0	0	0	0	0	0	0
12	36	0	0	0	0	0	0	0	0	0	0	0
13	36	0	0	0	0	0	0	0	0	0	0	0
14	23	0	0	0	0	0	0	0	0	0	0	0
15	6	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	3	0	0	0	0	0	0	0	0	0	0	0
18	27	0	0	0	0	0	0	0	0	0	0	0
19	29	0	0	0	0	0	0	0	0	0	0	0
20	27	0	0	0	0	0	0	0	0	0	0	0
21	40	0	0	0	0	0	0	0	0	0	0	0
22	35	0	0	0	0	0	0	0	0	0	0	0
23	21	0	0	0	0	0	0	0	0	0	0	0
24	22	0	0	0	0	0	0	0	0	0	0	0
25	24	0	0	0	0	0	0	0	0	0	0	0
26	30	0	0	0	0	0	0	0	0	0	0	0
27	24	0	0	0	0	0	0	0	0	0	0	0
28	22	0	0	0	0	0	0	0	0	0	0	0
29	19	0	0	0	0	0	0	0	0	0	0	0
30	25	-	0	0	0	0	0	0	0	0	0	0
31	4	-	0	-	0	-	0	0	-	0	-	0
TOTAL	494	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	40	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	16	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	980	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	494	MAX.,	40	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	980		

City of Bakersfield Diverted for Rag Gulch WD
(Rag Gulch WD/Improvement District No. 4 Exchange)
Year: 1992

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	5	4	10	0	0	0	0	0	0	0
2	0	0	5	4	11	0	0	0	0	0	0	0
3	0	0	5	5	10	0	0	0	0	0	0	0
4	0	0	4	7	9	0	0	0	0	0	0	0
5	0	0	5	7	9	0	0	0	0	0	0	0
6	0	0	5	8	8	0	0	0	0	0	0	0
7	0	0	4	8	8	0	0	0	0	0	0	0
8	0	0	5	7	8	0	0	0	0	0	0	0
9	0	0	4	6	9	0	0	0	0	0	0	0
10	0	0	4	7	9	0	0	0	0	0	0	0
11	0	0	6	8	10	0	0	0	0	0	0	0
12	0	0	5	8	14	0	0	0	0	0	0	0
13	0	0	5	8	14	0	0	0	0	0	0	0
14	0	0	4	9	13	0	0	0	0	0	0	0
15	0	0	5	7	12	0	0	0	0	0	0	0
16	0	0	5	7	10	0	0	0	0	0	0	0
17	0	0	5	7	8	0	0	0	0	0	0	0
18	0	0	8	7	8	0	0	0	0	0	0	0
19	0	0	7	7	9	0	0	0	0	0	0	0
20	0	0	4	8	11	0	0	0	0	0	0	0
21	0	0	5	9	10	0	0	0	0	0	0	0
22	0	0	5	8	9	0	0	0	0	0	0	0
23	0	0	4	7	10	0	0	0	0	0	0	0
24	0	0	4	7	9	0	0	0	0	0	0	0
25	0	0	6	8	10	0	0	0	0	0	0	0
26	0	0	6	8	10	0	0	0	0	0	0	0
27	0	0	5	7	10	0	0	0	0	0	0	0
28	0	0	5	9	10	0	0	0	0	0	0	0
29	0	0	5	8	12	0	0	0	0	0	0	0
30	0	-	5	7	15	0	0	0	0	0	0	0
31	0	-	4	-	12	-	0	0	-	0	-	0
TOTAL	0	0	154	217	317	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	8	9	15	0	0	0	0	0	0	0
MINIMUM DAY	0	0	4	4	8	0	0	0	0	0	0	0
MEAN	0	0	5	7	10	0	0	0	0	0	0	0
TOTAL AC.FT.	0	0	305	430	628	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	688	MAX.,	15	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,363		

City of Bakersfield Diverted for Rag Gulch WD
via Arvin-Edison Turnout
Year: 1992
(Pursuant to terms of City/RGWD Letter Agreement dated 4-10-92)

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	2	0	0	0	0	0	0	0	0	0
2	0	0	6	0	0	0	0	0	0	0	0	0
3	0	0	5	0	0	0	0	0	0	0	0	0
4	0	0	5	0	0	0	0	0	0	0	0	0
5	0	0	5	0	0	0	0	0	0	0	0	0
6	0	0	6	0	0	0	0	0	0	0	0	0
7	0	0	6	0	0	0	0	0	0	0	0	0
8	0	0	6	0	0	0	0	0	0	0	0	0
9	0	0	5	0	0	0	0	0	0	0	0	0
10	0	0	4	0	0	0	0	0	0	0	0	0
11	0	0	4	0	0	0	0	0	0	0	0	0
12	0	0	4	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	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	60	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	6	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	2	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	0	0	119	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	60	MAX.,	6	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	119		

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

Quantities in acre-feet

Year: 1992

	1 (a) Friant-Kern Inflow	2 (b) Friant-Kern Delivered	3 (c) River Canal Transportation Charge on Column 2	4 Total Kern River Delivered	5 (d) Basic Contract		6 (e) Miscellaneous		7 acre-feet Sold at \$6.00	8 acre-feet Sold at \$21.00	9 (f) Mandatory Release Delivered	10 Other
					No Charge (1st 4000)	acre-feet Sold at \$1.00	acre-feet Sold at \$6.00	acre-feet Sold at \$21.00				
January	0	0	0	391	391	0	0	0	0	0	0	0
February	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
April	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
June	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
August	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
October	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
December	0	0	0	726	726	0	0	0	0	0	0	0
Total	0	0	0	1,117	1,117	0	0	0	0	0	0	0

3,658	=	Current Escalator	=	3,658
\$0.00	=	Totals	=	\$0.00
				(per 1961 Agreement)

				1991
				1990
		4,500		1989
		7,845		1988
				Preceding Four
				Years

		12,345	0	Five Year Totals
		2,469	0	Five Year Averages
				Current Escalator
				Current Price per acre-foot
				Five Year Average Sales

- Notes:
- (a) As charged RRBWSD by U.S.B.R.
 - (b) Column 1 less transportation losses.
 - (c) \$0.10 per acre-foot escalated annually (31.6 = 1-82 base index).
 - (d) \$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.
 - (e) Subject to annual escalation per 1976 agreement (62.8 = 1-82 base index).
 - (f) Delivered during periods of Kern River Mandatory Release when designated by U.S. Army Corps of Engineers.

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

Quantities in acre-feet

Year	TOTAL DELIVERED	FRIANT-KERN DELIVERED	TOTAL KERN RIVER DELIVERED	(1) KERN RIVER BASIC CONTRACT DELIVERED	KERN RIVER BASIC CONTRACT OBLIGATION	(2) CARRY FORWARD OVER (UNDER)	END of YEAR CONTRACT BALANCE (3)	
							(4)	60,000
1976	0	0	0	0	10,000	(10,000)	50,000	
1977	2,199	0	2,199	2,199	10,000	(7,801)	42,199	
1978	76,365	4,371	71,994	10,000	10,000	0	42,199	
1979	14,568	9,921	4,647	4,647	10,000	(5,353)	36,846	
1980	70,790	4,167	66,623	10,000	10,000	0	36,846	
1981	773	0	773	773	10,000	(9,227)	27,619	
1982	88,374	40,595	47,779	10,000	10,000	0	27,619	
1983	134,534	1,440	133,094	10,000	10,000	0	27,619	
1984	38,854	0	38,854	10,000	10,000	0	27,619	
1985	20,694	0	20,694	0	10,000	(10,000)	17,619	
1986	87,761	5,209	82,552	20,000	10,000	10,000	27,619	
1987	6,000	0	6,000	0	10,000	(10,000)	17,619	
1988	7,845	0	7,845	0	10,000	(10,000)	7,619	
1989	4,500	0	4,500	0	10,000	(10,000)	(2,381)	
1990	0	0	0	0	10,000	(10,000)	(12,381)	
1991	9,076	0	9,076	9,076	10,000	(924)	(13,305)	
1992	1,117	0	1,117	1,117	10,000	(8,883)	(22,188)	

- (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

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

Quantities in acre-feet

Year: 1992

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
City Entitlement + or - Release	1,303	1,267	6,526	18,587	20,082	7,702	18	0	354	1,032	1,190	1,108	59,169
Lake Ming	16	16	44	60	77	105	127	121	91	65	42	26	790
North Kern Water Storage District	0	0	0	182	10,000	4,151	0	0	34	14	0	0	14,381
Cawelo Water District	0	0	1,268	4,094	5,400	1,248	798	4,399	4,276	3,481	2,464	1,440	28,868
Kern-Tulare Water District	0	0	2,024	2,867	4,198	0	0	0	0	0	0	0	9,089
Rag Gulch Water District	0	0	305	430	628	0	0	0	0	0	0	0	1,363
Rosedale Rio Bravo WSD	391	0	0	0	0	0	0	0	0	0	0	726	1,117
Kern River Canal & Irrigating Co.	6	99	738	734	442	1,728	1,664	1,353	684	359	0	0	7,807
First Point Passing Second Point	0	0	0	0	0	0	0	0	0	0	0	0	0
Isabella Reservoir Loss	53	43	61	195	340	293	239	158	91	39	23	25	1,560
River Transportation Loss	90	116	652	511	2,080	944	790	413	2	1	1	882	6,482
Total Basic Commitments	556	274	5,092	9,073	23,165	8,469	3,618	6,444	5,178	3,959	2,530	3,099	71,457

Total City Miscellaneous Water.....	0
Rosedale Rio Bravo WSD 1/3 Share.....	0

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 (IX7)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Misc. Delivered to RRBWSD	0	0	0	0	0	0	0	0	0	0	0	0	0

Over (Under) City Miscellaneous Water Obligation.....	0
Prior Year Miscellaneous Water Delivery Balance.....	(14,874)
Cumulative Miscellaneous Water Delivery Balance.....	(14,874)

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) RRBWSD 1/3 SHARE OF MISC.	(C) MISC. WATER DELIVERED TO RRBWSD (1)	(D) OVER (UNDER) 1/3 SHARE	(E) END of YEAR CUMULATIVE MISC. WATER BALANCE
					0
1977	0	0	0	0	0
1978	75,473	25,158	29,405	4,247	4,247
1979	34,885	11,628	0	(11,628)	(7,381)
1980	81,572	27,191	28,246	1,055	(6,326)
1981	1,634	545	0	(545)	(6,871)
1982	184,335	61,445	37,779	(23,666)	(30,537)
1983	64,686	21,562	12,292	(9,270)	(39,807)
1984	56,816	18,939	20,856	1,917	(37,890)
1985	50,537	16,846	20,694	3,848	(34,042)
1986	161,307	53,769	56,590	2,821	(31,221)
1987	0	0	6,000	6,000	(25,221)
1988	2,157	719	7,845	7,126	(18,095)
1989	3,838	1,279	4,500	3,221	(14,874)
1990	0	0	0	0	(14,874)
1991	0	0	0	0	(14,874)
1992	0	0	0	0	(14,874)

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: 1992

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	0	0	0	287	1,373	0	0	0	0	0	0	0	1,660
Release	0	0	0	0	0	0	0	0	0	0	0	0	0
ENTITLEMENT + OR - RELEASE	=	0	0	287	1,373	0	0	0	0	0	0	0	1,660
Oilfield Discharge	14	142	0	0	0	0	0	0	48	385	222	74	885
Other	6	99	738	734	442	1,728	1,664	1,353	684	359	0	0	7,807
Into Isabella Storage	0	0	0	129	319	0	0	0	0	0	0	0	448
From Isabella Storage	0	0	0	6	438	0	0	0	0	0	0	0	444
To NKWSD in Isabella Storage	0	0	0	2	127	0	0	0	0	0	0	0	129
DIVERTED AT HEAD	=	20	241	896	1,807	1,728	1,664	1,353	732	744	222	74	10,219
Irrigation Deliveries	12	161	615	713	1,362	1,552	1,482	1,161	620	625	163	21	8,487
NKWSD at Seventh Standard Line	0	0	0	85	286	0	0	0	0	0	0	0	371
Cawelo WD at Pump Station "B"	0	0	0	0	0	0	0	0	0	0	0	0	0
Spreading Deliveries	0	42	0	0	0	0	0	0	0	0	0	30	72
Canal Loss	8	38	123	98	159	176	182	192	112	119	59	23	1,289
Irrigation Delivery Percentage	=	60%	67%	89%	91%	90%	89%	86%	85%	84%	73%	28%	87%

Into Isabella Storage	0	0	0	129	319	0	0	0	0	0	0	0	448
Isabella Evaporation Loss	0	0	0	0	4	0	0	0	0	0	0	0	4
From Isabella Storage	0	0	0	6	438	0	0	0	0	0	0	0	444
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
End of Month Isabella Storage	0	0	0	123	0	0	0	0	0	0	0	0	0

SOUTH FORK DIVERSION RIGHT SUMMARY

Year: 1992

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	12	371	0	93	190	32	0	0	0	38	0	16	752
Release	(12)	(345)	77	(42)	(52)	0	0	0	44	40	0	68	(222)
Entitlement + or - Release	0	26	77	51	138	32	0	0	44	78	0	84	530
Into Isabella Storage	0	26	0	31	89	20	0	0	0	21	0	84	271
From Isabella Storage	0	0	0	0	38	121	113	151	45	0	0	0	468
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries	0	0	77	20	87	133	113	151	89	57	0	0	727
Old South Fork	0	0	0	0	0	0	0	0	0	0	0	0	0
Panama Ranch	0	0	77	20	87	133	113	151	89	57	0	0	727
Into Isabella Storage	0	26	0	31	89	20	0	0	0	21	0	84	271
From Isabella Storage	0	0	0	0	38	121	113	151	45	0	0	0	468
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
End of Month Isabella Storage	600	626	626	657	708	607	494	343	298	319	319	403	403

CITY OF BAKERSFIELD
 RECAPITULATION OF WATER SPREADING BY SOURCE
 2800 ACRE RECHARGE FACILITY

Quantities in acre-feet

Calendar Year	BANKING					OVERDRAFT CORRECTION					Grand Total
	Kern River	Friant-Kern	State Water Project	Other	Totals	Kern River	Friant-Kern	State Water Project	Other	Totals	
1977	0	0	0	0	0	0	0	0	0	0	0
1978	134,971	0	0	0	134,971	0	0	0	0	0	134,971
1979	4,505	9,913	0	0	14,418	6,089	888	52,099	0	59,076	73,494
1980	113,379	0	8,029	0	121,408	0	0	0	0	0	121,408
1981	2,603	0	49,377	0	51,980	0	0	7,141	0	7,141	59,121
1982	50,242	18,057	8,345	0	76,644	2,649	6,835	12,748	0	22,232	98,876
1983	110,970	2,239	171	0	113,380	0	0	0	0	0	113,380
1984	14,449	1,609	0	0	16,058	0	0	0	0	0	16,058
1985	331	71	15,055	0	15,457	0	0	0	0	0	15,457
1986	93,311	36,792	22,766	262	153,131	0	0	0	0	0	153,131
1987	77	0	7,379	32	7,488	0	0	0	0	0	7,488
1988	0	0	0	0	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0
TOTALS	524,838	68,681	111,122	294	704,935	8,738	7,723	71,988	0	88,449	793,384

CITY OF BAKERSFIELD
RECAPITULATION OF WATER SPREADING BY ENTITY
2800 ACRE RECHARGE FACILITY
 (Does not reflect water extracted or sold)

Quantities in acre-feet

BANKING ENTITIES

Calendar Year	City of Bakersfield	Olcese W.D.	Buena Vista W.S.D.	K.C.W.A.	Total Banking	Overdraft Correction	Grand Total
1977	0	0	0	0	0	0	0
1978	104,587	24,328	6,056	0	134,971	0	134,971
1979	4,505	0	9,913	0	14,418	59,076	73,494
1980	68,804	52,604	0	0	121,408	0	121,408
1981	2,603	4,465	0	44,912	51,980	7,141	59,121
1982	37,913	14,266	24,465	0	76,644	22,232	98,876
1983	113,380	0	0	0	113,380	0	113,380
1984	16,058	0	0	0	16,058	0	16,058
1985	402	0	0	15,055	15,457	0	15,457
1986	64,168	56,197	10,000	22,766	153,131	0	153,131
1987	109	0	0	7,379	7,488	0	7,488
1988	0	0	0	0	0	0	0
1989	0	0	0	0	0	0	0
1990	0	0	0	0	0	0	0
1991	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0
TOTALS	412,529	151,860	50,434	90,112	704,935	88,449	793,384

City of Bakersfield
 2800 Acre Well Water Production
 (Kern River Banked Supply -- Conveyed via Kern River Canal)

Year: 1992

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	7	31	32	53	0	0	0	0
2	0	0	0	0	12	32	32	53	0	0	0	0
3	0	0	0	0	12	31	32	53	0	0	0	0
4	0	0	0	0	11	31	32	53	0	0	0	0
5	0	0	0	0	7	30	32	53	0	0	0	0
6	0	0	0	0	8	30	32	53	0	0	0	0
7	0	0	0	0	11	30	33	53	0	0	0	0
8	0	0	0	0	11	31	33	53	0	0	0	0
9	0	0	0	0	11	30	33	52	0	0	0	0
10	0	0	0	0	11	30	29	34	0	0	0	0
11	0	0	0	0	11	30	33	34	0	0	0	0
12	0	0	0	0	11	31	33	34	0	0	0	0
13	0	0	0	0	11	30	33	34	0	0	0	0
14	0	0	0	0	11	31	33	34	0	0	0	0
15	0	0	0	0	11	31	33	34	0	0	0	0
16	0	0	0	0	11	30	32	34	0	0	0	0
17	0	0	0	0	11	30	32	34	0	0	0	0
18	0	0	0	0	6	30	32	34	0	0	0	0
19	0	0	0	0	5	30	32	34	0	0	0	0
20	0	0	0	0	10	30	32	34	0	0	0	0
21	0	0	0	0	26	30	32	34	0	0	0	0
22	0	0	0	0	29	30	32	34	0	0	0	0
23	0	0	0	0	30	30	32	34	0	0	0	0
24	0	0	0	0	30	30	32	34	0	0	0	0
25	0	0	0	0	30	30	32	34	0	0	0	0
26	0	0	0	0	29	30	32	34	0	0	0	0
27	0	0	0	0	32	30	31	33	0	0	0	0
28	0	0	0	0	32	32	31	33	0	0	0	0
29	0	0	0	0	31	32	31	13	0	0	0	0
30	0	-	0	0	31	33	31	0	0	0	0	0
31	0	-	0	-	31	-	31	0	-	-	-	0
TOTAL	0	0	0	0	530	916	992	1,133	0	0	0	0
MAXIMUM DAY	0	0	0	0	32	33	33	53	0	0	0	0
MINIMUM DAY	0	0	0	0	5	30	29	0	0	0	0	0
MEAN	0	0	0	0	17	31	32	37	0	0	0	0
TOTAL AC.FT.	0	0	0	0	1,052	1,818	1,968	2,247	0	0	0	0
WHOLE YEAR:-	TOTAL,	3,571	MAX.,	53	MIN.,	0	MEAN,	10	TOTAL AC.FT.,	7,085		

Buena Vista Water Storage District
 2800 Acre Well Water Production
 (Kern River Banked Supply --- Conveyed via Kern River Canal)

Year: 1992

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	17	0	0	0	0	0	0	0
2	0	0	0	0	26	0	0	0	0	0	0	0
3	0	0	0	0	26	0	0	0	0	0	0	0
4	0	0	0	0	25	0	0	0	0	0	0	0
5	0	0	0	0	15	0	0	0	0	0	0	0
6	0	0	0	0	18	0	0	0	0	0	0	0
7	0	0	0	0	25	0	0	0	0	0	0	0
8	0	0	0	0	25	0	0	0	0	0	0	0
9	0	0	0	0	25	0	0	0	0	0	0	0
10	0	0	0	0	25	0	0	0	0	0	0	0
11	0	0	0	0	25	0	0	0	0	0	0	0
12	0	0	0	0	25	0	0	0	0	0	0	0
13	0	0	0	0	25	0	0	0	0	0	0	0
14	0	0	0	0	24	0	0	0	0	0	0	0
15	0	0	0	0	24	0	0	0	0	0	0	0
16	0	0	0	0	2	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	352	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	26	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	11	0	0	0	0	0	0	0
TOTAL AC.FT.	0	0	0	0	699	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	352	MAX.,	26	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	699		

Buena Vista Water Storage District
 2800 Acre Well Water Production
 (Friant-Kern Banked Supply -- Conveyed via Kern River Canal)
 Year: 1992

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	21	23	0	0	0	0	0
2	0	0	0	0	0	20	23	0	0	0	0	0
3	0	0	0	0	0	21	23	0	0	0	0	0
4	0	0	0	0	0	20	23	0	0	0	0	0
5	0	0	0	0	0	21	23	0	0	0	0	0
6	0	0	0	0	0	20	23	0	0	0	0	0
7	0	0	0	0	0	21	22	0	0	0	0	0
8	0	0	0	0	0	20	22	0	0	0	0	0
9	0	0	0	0	0	21	22	0	0	0	0	0
10	0	0	0	0	0	20	21	0	0	0	0	0
11	0	0	0	0	0	21	22	0	0	0	0	0
12	0	0	0	0	0	20	22	0	0	0	0	0
13	0	0	0	0	0	21	22	0	0	0	0	0
14	0	0	0	0	0	20	22	0	0	0	0	0
15	0	0	0	0	0	20	22	0	0	0	0	0
16	0	0	0	0	22	20	22	0	0	0	0	0
17	0	0	0	0	24	20	22	0	0	0	0	0
18	0	0	0	0	24	20	22	0	0	0	0	0
19	0	0	0	0	24	20	22	0	0	0	0	0
20	0	0	0	0	21	20	22	0	0	0	0	0
21	0	0	0	0	21	20	22	0	0	0	0	0
22	0	0	0	0	24	20	22	0	0	0	0	0
23	0	0	0	0	24	20	22	0	0	0	0	0
24	0	0	0	0	24	20	22	0	0	0	0	0
25	0	0	0	0	24	20	22	0	0	0	0	0
26	0	0	0	0	24	20	22	0	0	0	0	0
27	0	0	0	0	23	21	22	0	0	0	0	0
28	0	0	0	0	22	23	22	0	0	0	0	0
29	0	0	0	0	21	23	22	0	0	0	0	0
30	0	-	0	0	21	22	22	0	0	0	0	0
31	0	-	0	-	21	-	22	0	-	0	-	0
TOTAL	0	0	0	0	364	616	687	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	24	23	23	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	20	21	0	0	0	0	0
MEAN	0	0	0	0	12	21	22	0	0	0	0	0
TOTAL AC.FT.	0	0	0	0	721	1,221	1,363	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,667	MAX.,	24	MIN.,	0	MEAN,	5	TOTAL AC.FT.,	3,305		

CITY OF BAKERSFIELD
RECAPITULATION OF BANKING, EXTRACTION AND STORAGE
2800 ACRE RECHARGE FACILITY

UNIT: CITY OF BAKERSFIELD

Quantities in acre-feet

Calendar Year	BANKING					EXTRACTION					GROUNDWATER STORAGE (End of Year)					
	Kern	F-Kern	S.W.P.	Other	Via	Total	Kern	F-Kern	S.W.P.	Other	Total	Kern	F-Kern	S.W.P.	Other	Total
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	104,587	0	0	0	0	104,587	0	0	0	0	0	104,587	0	0	0	104,587
1979	4,505	0	0	0	0	4,505	0	0	0	0	0	109,092	0	0	0	109,092
1980	68,804	0	0	0	0	68,804	0	0	0	13,772	13,772	164,124	0	0	0	164,124
1981	2,603	0	0	0	0	2,603	0	0	0	100,837	100,837	65,890	0	0	0	65,890
1982	35,377	2,536	0	0	0	37,913	0	0	0	0	0	101,267	2,536	0	0	103,803
1983	110,970	2,239	171	0	0	113,380	0	0	0	0	0	212,237	4,775	171	0	217,183
1984	14,449	1,609	0	0	0	16,058	472	0	0	0	472	226,214	6,384	171	0	232,769
1985	331	71	0	0	0	402	1,615	0	0	0	1,615	224,930	6,455	171	0	231,556
1986	27,114	36,792	0	262	0	64,168	0	0	0	0	0	252,044	43,247	171	262	295,724
1987	77	0	0	32	0	109	656	0	0	0	656	251,465	43,247	171	294	295,177
1988	0	0	0	0	0	0	1,932	0	0	3,500	5,432	246,033	43,247	171	294	289,745
1989	0	0	0	0	0	0	2,565	0	294	0	2,859	243,468	43,247	171	0	286,886
1990	0	0	0	0	0	0	23,318	0	0	0	23,318	220,150	43,247	171	0	263,568
1991	0	0	0	0	0	0	13,028	0	0	44,131	57,159	182,991	23,247	171	0	206,409
1992	0	0	0	0	0	0	23,816	0	0	6,450	30,266	152,725	23,247	171	0	176,143
TOTALS	368,817	43,247	171	294	0	412,529	67,402	0	294	168,690	236,386					

CITY OF BAKERSFIELD
 RECAPITULATION OF BANKING, EXTRACTION AND STORAGE
 2800 ACRE RECHARGE FACILITY

UNIT: OLCESE WATER DISTRICT

Quantities in acre-feet

Calendar Year	BANKING				EXTRACTION				GROUNDWATER STORAGE (End of Year)			
	Kern	F-Kern	S.W.P.	Other Via Transfer Total	Kern	F-Kern	S.W.P.	Other Via Transfer Total	Kern	F-Kern	S.W.P.	Other Source Total
1977	0	0	0	0	0	0	0	0	0	0	0	0
1978	24,328	0	0	0	0	0	0	0	24,328	0	0	0
1979	0	0	0	0	0	0	0	0	24,328	0	0	0
1980	44,575	0	8,029	0	0	0	0	0	68,903	0	8,029	0
1981	0	0	4,465	0	0	0	0	0	68,903	0	12,494	0
1982	9,432	0	4,834	0	0	0	0	0	78,335	0	17,328	0
1983	0	0	0	0	0	0	0	0	78,335	0	17,328	0
1984	0	0	0	0	0	0	0	0	78,335	0	17,328	0
1985	0	0	0	0	0	0	0	0	78,335	0	17,328	0
1986	56,197	0	0	0	0	0	0	0	134,532	0	17,328	0
1987	0	0	0	5,344	0	0	0	0	139,876	0	17,328	0
1988	0	0	0	3,214	0	0	0	0	143,090	0	17,328	0
1989	0	0	0	0	873	0	0	0	142,217	0	17,328	0
1990	0	0	0	0	1,400	0	0	98,005	42,812	0	17,328	0
1991	0	0	0	22,096	1,400	0	0	22,096	41,412	0	17,328	0
1992	0	0	0	6,450	0	0	0	6,450	41,412	0	17,328	0
TOTALS	134,532	0	17,328	0	3,673	0	0	0	126,551	130,224	0	0

CITY OF BAKERSFIELD
 RECAPITULATION OF BANKING, EXTRACTION AND STORAGE
 2800 ACRE RECHARGE FACILITY

UNIT: BUENA VISTA WATER STORAGE DISTRICT

Quantities in acre-feet

Calendar Year	BANKING					EXTRACTION					GROUNDWATER STORAGE (End of Year)							
	Kern	F-Kern	S.W.P.	Other	Via	Total	Kern	F-Kern	S.W.P.	Other	Via	Total	Kern	F-Kern	S.W.P.	Other	Total	
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	6,056	0	0	0	0	6,056	0	0	0	0	0	0	6,056	0	0	0	0	6,056
1979	0	9,913	0	0	0	9,913	0	0	0	0	0	0	6,056	9,913	0	0	0	15,969
1980	0	0	0	0	0	0	0	0	0	0	0	0	6,056	9,913	0	0	0	15,969
1981	0	0	0	0	0	0	0	0	0	0	0	0	6,056	9,913	0	0	0	15,969
1982	5,433	15,521	3,511	0	0	24,465	0	0	0	0	0	0	11,489	25,434	3,511	0	0	40,434
1983	0	0	0	0	0	0	0	0	0	0	0	0	11,489	25,434	3,511	0	0	40,434
1984	0	0	0	0	0	0	0	0	0	0	0	0	11,489	25,434	3,511	0	0	40,434
1985	0	0	0	0	0	0	0	0	0	0	0	0	11,489	25,434	3,511	0	0	40,434
1986	10,000	0	0	0	0	10,000	0	0	0	0	0	0	21,489	25,434	3,511	0	0	50,434
1987	0	0	0	0	0	0	656	0	0	5,344	6,000	6,000	15,489	25,434	3,511	0	0	44,434
1988	0	0	0	0	0	0	1,786	0	0	3,214	5,000	5,000	10,489	25,434	3,511	0	0	39,434
1989	0	0	0	0	0	0	3,138	0	0	0	3,138	3,138	7,351	25,434	3,511	0	0	36,296
1990	0	0	0	0	0	0	2,242	0	0	0	2,242	2,242	5,109	25,434	3,511	0	0	34,054
1991	0	0	0	0	0	0	4,410	0	0	0	4,410	4,410	699	25,434	3,511	0	0	29,644
1992	0	0	0	0	0	0	699	3,305	0	0	4,004	4,004	0	22,129	3,511	0	0	25,640
TOTALS	21,489	25,434	3,511	0	0	50,434	12,931	3,305	0	8,558	24,794	24,794	0	22,129	3,511	0	0	25,640

CITY OF BAKERSFIELD
 RECAPTULATION OF BANKING, EXTRACTION AND STORAGE
 2800 ACRE RECHARGE FACILITY

UNIT: KERN COUNTY WATER AGENCY

Quantities in acre-feet

Calendar Year	BANKING				EXTRACTION				GROUNDWATER STORAGE (End of Year)						
	Kern	F-Kern	S.W.P.	Other Via Transfer	Total	Kern	F-Kern	S.W.P.	Other Via Transfer	Total	Kern	F-Kern	S.W.P.	Other Source	Total
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1981	0	0	44,912	0	44,912	0	0	0	0	0	0	0	44,912	0	44,912
1982	0	0	0	0	0	0	0	0	0	0	0	0	44,912	0	44,912
1983	0	0	0	0	0	0	0	0	0	0	0	0	44,912	0	44,912
1984	0	0	0	0	0	0	0	0	0	0	0	0	44,912	0	44,912
1985	0	0	15,055	0	15,055	0	0	0	0	0	0	0	59,967	0	59,967
1986	0	0	22,766	0	22,766	0	0	0	0	0	0	0	82,733	0	82,733
1987	0	0	7,379	0	7,379	0	0	0	0	0	0	0	90,112	0	90,112
1988	0	0	0	3,500	3,500	0	0	0	0	0	3,500	0	90,112	0	93,612
1989	0	0	0	0	0	0	0	1,086	0	1,086	3,500	0	89,026	0	92,526
1990	0	0	0	98,005	98,005	0	0	0	0	0	101,505	0	89,026	0	190,531
1991	0	0	0	44,131	44,131	0	0	33,316	0	33,316	125,636	20,000	55,710	0	201,346
1992	0	0	0	6,450	6,450	3,500	6,499	18,332	0	28,331	128,586	13,501	37,378	0	179,465
TOTALS	0	0	90,112	152,086	242,198	3,500	6,499	52,734	0	62,733					

City of Bakersfield 2800 Acre Well Water Diverted to County of Kern
(Pursuant to City/County Letter Agreement dated April 20, 1992)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1992

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	7	11	5	11	0	0	0	0
2	0	0	0	0	12	11	5	11	0	0	0	0
3	0	0	0	0	12	10	5	11	0	0	0	0
4	0	0	0	0	11	10	5	11	0	0	0	0
5	0	0	0	0	7	10	5	12	0	0	0	0
6	0	0	0	0	8	10	5	11	0	0	0	0
7	0	0	0	0	11	10	6	11	0	0	0	0
8	0	0	0	0	11	10	6	11	0	0	0	0
9	0	0	0	0	11	10	10	11	0	0	0	0
10	0	0	0	0	11	10	8	12	0	0	0	0
11	0	0	0	0	11	3	10	11	0	0	0	0
12	0	0	0	0	11	4	10	11	0	0	0	0
13	0	0	0	0	11	3	10	11	0	0	0	0
14	0	0	0	0	11	4	10	11	0	0	0	0
15	0	0	0	0	11	4	10	12	0	0	0	0
16	0	0	0	0	11	3	10	11	0	0	0	0
17	0	0	0	0	11	3	10	11	0	0	0	0
18	0	0	0	0	6	3	10	11	0	0	0	0
19	0	0	0	0	5	3	10	11	0	0	0	0
20	0	0	0	0	5	3	10	12	0	0	0	0
21	0	0	0	0	0	3	10	11	0	0	0	0
22	0	0	0	0	0	3	9	11	0	0	0	0
23	0	0	0	0	0	3	10	11	0	0	0	0
24	0	0	0	0	0	3	10	11	0	0	0	0
25	0	0	0	0	0	3	10	12	0	0	0	0
26	0	0	0	0	0	3	10	11	0	0	0	0
27	0	0	0	0	6	3	9	11	0	0	0	0
28	0	0	0	0	11	5	10	11	0	0	0	0
29	0	0	0	0	11	5	10	11	0	0	0	0
30	0	-	0	0	11	6	10	0	0	0	0	0
31	0	-	0	-	10	-	10	0	-	0	-	0
TOTAL	0	0	0	0	243	172	268	324	0	0	0	0
MAXIMUM DAY	0	0	0	0	12	11	10	12	0	0	0	0
MINIMUM DAY	0	0	0	0	0	3	5	0	0	0	0	0
MEAN	0	0	0	0	8	6	9	10	0	0	0	0
TOTAL AC.FT.	0	0	0	0	483	342	532	643	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,007	MAX.,	12	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	2,000		

City of Bakersfield Diverted to Olcese Water District
(Pursuant to terms of City/OWD Water Supply Agreement Dated June 29, 1992) **Year: 1992**

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	3	4	3	2	1	0
2	0	0	0	0	0	0	4	4	3	2	2	1
3	0	0	0	0	0	0	3	3	3	2	1	0
4	0	0	0	0	0	0	4	4	3	2	1	1
5	0	0	0	0	0	0	3	4	3	2	2	0
6	0	0	0	0	0	0	3	4	3	2	1	1
7	0	0	0	0	0	0	3	4	3	2	1	1
8	0	0	0	0	0	0	4	4	3	3	1	0
9	0	0	0	0	0	0	4	4	4	2	1	1
10	0	0	0	0	0	0	3	3	3	2	2	0
11	0	0	0	0	0	0	4	4	3	2	1	1
12	0	0	0	0	0	0	3	4	3	2	1	0
13	0	0	0	0	0	0	3	4	3	2	1	1
14	0	0	0	0	0	0	3	4	3	2	2	0
15	0	0	0	0	0	0	4	4	3	2	1	1
16	0	0	0	0	0	0	3	3	3	2	2	0
17	0	0	0	0	0	0	4	4	3	2	1	1
18	0	0	0	0	0	4	3	4	3	2	1	0
19	0	0	0	0	0	3	3	4	3	2	1	0
20	0	0	0	0	0	4	4	4	3	2	1	1
21	0	0	0	0	0	3	3	3	3	2	2	0
22	0	0	0	0	0	4	4	4	3	2	1	1
23	0	0	0	0	0	4	4	4	4	2	1	0
24	0	0	0	0	0	3	3	4	3	2	1	1
25	0	0	0	0	0	4	4	4	3	2	1	0
26	0	0	0	0	0	4	3	4	3	2	2	1
27	0	0	0	0	0	4	4	4	3	2	1	0
28	0	0	0	0	0	3	4	3	3	2	1	1
29	0	0	0	0	0	4	3	4	3	2	1	0
30	0	-	0	0	0	4	4	4	3	2	2	1
31	0	-	0	-	0	-	3	4	-	2	-	0
TOTAL	0	0	0	0	0	48	106	119	92	64	38	15
MAXIMUM DAY	0	0	0	0	0	4	4	4	4	3	2	1
MINIMUM DAY	0	0	0	0	0	0	3	3	3	2	1	0
MEAN	0	0	0	0	0	2	3	4	3	2	1	0
TOTAL AC.FT.	0	0	0	0	0	96	209	235	182	126	75	30
WHOLE YEAR:-	TOTAL,	482	MAX.,	4	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	953		

Note:- Figures do not reflect delivery of 14 acre-feet (7 s.f.d.) at Isabella Reservoir on 12-31-92. (Rio Bravo Power Plant evaporation loss assignment)

NORTH KERN WATER STORAGE DISTRICT

NORTH KERN WATER STORAGE DISTRICT

Year: 1992

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWSD River Entitlement	0	2,015	0	3,852	9,478	910	0	0	0	268	0	0	16,523
Release	3,084	6,791	2,489	1,953	529	0	0	0	75	1,850	6,791	4,669	28,231
ENTITLEMENT + OR - RELEASE	3,084	8,806	2,489	5,805	10,007	910	0	0	75	2,118	6,791	4,669	44,754
From KRC & Irr. Company	0	0	0	87	413	0	0	0	0	0	0	0	500
From City of Bakersfield	99	383	1,120	2,690	10,000	4,651	478	395	34	14	13	153	20,030
From Buena Vista WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
From Kern Delta WD	0	0	0	0	0	0	0	0	0	0	0	0	0
From Itebella Reservoir Storage	482	521	0	0	0	0	4,705	1,648	652	335	159	490	8,992
To City of Bakersfield	1,088	122	75	2	0	0	0	0	0	0	0	2,235	3,522
To Cawelo Water District	0	0	0	0	0	0	0	0	0	44	476	0	520
To La Hacienda, Inc.	40	26	0	0	0	0	0	0	0	0	38	25	129
To Improvement District #4	0	0	0	0	0	0	0	0	0	0	0	0	0
Into Itebella Reservoir Storage	789	815	0	6,813	17,427	1,976	0	0	0	182	159	403	28,564
Transfer in Storage	2	0	0	0	0	533	0	0	0	0	0	0	539
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED FROM RIVER	1,750	8,747	3,534	1,767	2,993	4,118	5,183	2,043	761	2,241	6,290	2,653	42,080
Loss to Seventh Standard Line	143	135	61	62	61	60	61	61	66	61	84	106	961
Oilfield Discharge	582	856	713	736	815	728	787	722	692	573	809	571	8,584
Private Well Production	0	0	52	72	436	386	430	420	170	84	0	0	2,050
NKWSD Well Production	0	323	4,073	7,014	12,144	11,768	12,439	10,876	7,279	3,950	0	0	69,866
Poso Creek Natural Flow	0	0	0	0	0	0	0	0	0	0	0	0	0
Semi-Tropic WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	774	0	0	0	0	77	152	0	0	1,003
TOTAL DISTRICT SUPPLY	2,189	9,791	8,311	10,301	16,327	16,940	18,778	14,000	8,913	6,939	7,015	3,118	122,622
Class 1 Irrigation Deliveries	470	2,275	6,392	8,304	14,824	15,329	16,930	12,292	8,308	5,622	2,430	516	93,692
Class 2 Irrigation Deliveries	66	130	59	501	0	0	0	0	0	39	816	179	1,790
Emergency Irrigation Deliveries	0	0	0	64	117	413	240	236	43	10	0	0	1,123
Shafter-Wasco Irrigation District	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL IRRIGATION USE	536	2,405	6,451	8,869	14,941	15,742	17,170	12,528	8,351	5,671	3,246	695	96,605
District Spreading Ponds (Kern)	265	6,718	647	276	0	0	0	0	0	19	3,094	1,737	12,756
District Spreading Ponds (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0
Poso Creek Spreading (Kern)	0	0	0	0	0	0	0	0	0	0	0	0	0
Poso Creek Spreading (Other)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DISTRICT SPREADING	265	6,718	647	276	0	0	0	0	0	19	3,094	1,737	12,756
TOTAL DISTRICT USE	801	9,123	7,098	9,145	14,941	15,742	17,170	12,528	8,351	5,690	6,340	2,432	109,361
Total NKWSD Canal Loss	1,388	668	1,213	1,156	1,386	1,198	1,608	1,472	562	1,249	675	686	13,261
Into Reservoir Storage	789	815	0	6,813	17,427	1,976	0	0	0	182	159	403	28,564
Reservoir Evaporation Loss	813	724	911	1,396	1,765	2,190	2,694	3,035	2,422	1,573	1,039	1,000	19,562
From Reservoir Storage	482	521	0	0	0	0	4,705	1,648	652	335	159	490	8,992
Transfer in Storage	2	0	0	0	7,293	1,066	0	0	0	0	0	0	8,365
END OF MONTH RESERVOIR STORAGE	43,648	43,218	42,307	47,724	63,386	63,172	55,773	51,090	48,016	46,290	45,251	44,164	

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

Year: 1992

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	30	70	197	142	255	139	97	47	66	134	29
2	0	50	72	194	158	242	164	91	24	68	125	33
3	0	48	116	163	145	241	197	100	24	47	113	32
4	0	30	39	131	143	257	196	93	17	46	118	32
5	0	41	41	109	157	235	183	96	13	60	126	33
6	8	27	81	76	159	206	159	103	12	46	173	36
7	63	35	87	75	192	185	134	121	12	40	194	129
8	31	38	73	87	182	97	121	87	18	49	174	70
9	47	30	71	109	176	82	124	83	18	58	185	36
10	30	32	34	81	171	94	127	95	22	68	172	47
11	34	72	44	82	164	92	137	107	26	62	169	75
12	28	151	48	73	163	123	143	114	26	62	178	111
13	26	189	44	70	111	121	144	105	22	62	166	72
14	35	223	48	71	109	124	145	93	29	75	167	32
15	19	260	46	66	114	114	121	100	28	72	168	41
16	20	256	37	69	108	106	178	102	29	55	163	113
17	20	266	42	72	127	90	193	97	25	58	161	194
18	22	234	49	83	159	80	198	81	22	63	164	53
19	23	236	59	90	181	134	211	102	25	56	153	49
20	24	247	70	52	206	135	234	101	41	56	122	51
21	27	302	47	54	206	142	224	101	64	56	108	53
22	38	286	122	53	209	187	225	135	64	54	94	50
23	52	245	135	53	205	180	215	128	76	44	95	48
24	57	243	119	69	224	156	194	95	63	40	98	41
25	51	208	119	69	236	140	161	77	82	55	100	45
26	51	217	150	72	243	112	141	77	66	72	106	45
27	51	172	175	105	246	114	146	62	64	93	99	44
28	53	161	181	86	261	107	151	76	63	98	83	46
29	49	131	175	97	233	121	143	73	48	88	46	47
30	35	-	166	131	238	124	142	71	53	138	36	45
31	23	-	206	-	243	-	122	62	-	139	-	45
TOTAL	917	4,460	2,766	2,739	5,611	4,396	5,112	2,925	1,123	2,046	3,990	1,777
MAXIMUM DAY	63	302	206	197	261	257	234	135	82	139	194	194
MINIMUM DAY	0	27	34	52	108	80	121	62	12	40	36	29
MEAN	30	154	89	91	181	147	165	94	37	66	133	57
TOTAL AC.FT.	1,819	8,846	5,486	5,432	11,129	8,719	10,140	5,802	2,227	4,058	7,914	3,525
WHOLE YEAR:-	TOTAL,	37,862	MAX.,	302	MIN.,	0	MEAN,	103	TOTAL AC.FT.,	75,097		

Year: 1992

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	8	26	21	23	21	22	24	19	21	25	12
2	0	20	19	20	23	22	21	28	18	23	23	12
3	0	12	22	19	24	21	23	22	17	23	23	12
4	0	22	18	21	23	20	24	16	20	24	25	12
5	0	9	18	23	23	22	23	18	25	23	22	12
6	0	9	25	19	21	22	22	25	23	21	24	13
7	9	9	26	18	20	23	21	23	20	20	24	13
8	14	9	22	17	24	22	22	23	22	20	21	13
9	14	9	20	19	25	19	24	24	20	22	20	13
10	11	12	15	20	26	18	22	22	20	23	20	13
11	10	19	17	21	25	19	24	20	20	25	20	20
12	10	21	17	24	22	21	25	18	22	24	19	19
13	10	20	17	20	19	23	23	11	23	21	18	22
14	10	18	15	17	21	22	21	8	22	21	21	18
15	9	19	14	18	25	17	22	30	27	21	23	13
16	10	22	13	22	26	17	21	22	19	23	21	19
17	9	21	20	23	23	20	21	20	17	21	20	22
18	12	13	21	25	21	21	24	21	20	21	20	20
19	11	15	21	24	20	25	23	20	22	21	19	15
20	11	23	22	22	22	18	23	13	23	21	19	14
21	10	19	21	21	22	20	22	3	22	21	22	14
22	13	24	23	22	27	20	20	21	21	21	27	15
23	13	23	20	23	26	22	21	24	21	21	23	15
24	13	20	17	22	24	20	22	23	21	21	21	15
25	21	20	19	22	24	20	23	20	20	22	19	15
26	21	19	18	25	22	23	23	19	22	22	20	15
27	16	22	20	25	21	25	23	19	24	20	21	15
28	15	21	21	22	22	23	21	22	17	20	21	15
29	19	25	23	20	23	22	21	24	20	20	22	15
30	20	-	23	22	24	21	21	17	20	21	18	15
31	9	-	19	-	22	-	21	21	-	21	-	15
TOTAL	320	503	612	637	713	629	689	621	627	669	641	471
MAXIMUM DAY	21	25	26	25	27	25	25	30	27	25	27	22
MINIMUM DAY	0	8	13	17	19	17	20	3	17	20	18	12
MEAN	10	18	20	21	23	21	22	20	21	22	21	15
TOTAL AC.FT.	634	998	1,215	1,264	1,414	1,248	1,366	1,232	1,243	1,327	1,271	934
WHOLE YEAR:-	TOTAL,	7,132	MAX.,	30	MIN.,	0	MEAN,	19	TOTAL AC.FT.,	14,146		

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

Quantities in acre-feet

Year: 1992

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River	+ 1,819	8,846	5,486	5,432	11,129	8,719	10,140	5,802	2,227	4,058	7,914	3,525	75,097
Oilfield Discharge	+ 634	998	1,215	1,264	1,414	1,248	1,366	1,232	1,243	1,327	1,271	934	14,146
C.V.C. Conduit "A"	+ 0	0	0	774	0	6,013	5,135	3,808	2,688	940	36	0	19,394
+ TOTAL BEARDSLEY CANAL SUPPLY	= 2,453	9,844	6,701	7,470	12,543	15,980	16,641	10,842	6,158	6,325	9,221	4,459	108,637
KRC & Irr. Co. # 1 Lateral	+ 0	42	0	0	0	0	0	0	0	0	0	30	72
KRC & Irr. Co. # 2 Lateral	+ 0	0	0	0	8	20	32	23	7	0	0	0	90
KRC & Irr. Co. # 4 Lateral	+ 16	0	236	135	464	633	599	556	112	56	6	0	2,813
KRC & Irr. Co. # 5 Lateral	+ 0	0	114	278	545	583	543	649	262	229	79	28	3,310
KRC & Irr. Co. Bidart Boosters	+ 0	161	326	338	443	432	428	64	297	398	101	0	2,988
KRC & Irr. Co. via 1-0-30	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. via 1-0-80	+ 0	0	1	2	0	0	1	0	0	0	0	0	4
Lined Section Loss	+ 4	38	61	58	61	60	61	61	54	61	36	16	571
- TOTAL KRC & IRR. CO. DIVERTED	= 20	241	738	811	1,521	1,728	1,664	1,353	732	744	222	74	9,848
Kern River Supply	- 6	99	738	811	1,521	1,728	1,664	1,353	684	359	0	0	8,963
Oilfield Discharge Supply	- 14	142	0	0	0	0	0	0	48	385	222	74	885
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"	+ 95	0	1,460	3,042	6,775	8,785	8,489	6,238	3,746	2,501	1,781	1,085	43,997
Cawelo WD Lerdo Gate Deliveries	+ 0	0	177	245	304	464	365	355	127	176	40	4	2,257
Lined Section Loss	+ 6	0	61	60	61	60	61	61	60	61	60	61	612
Lerdo Canal Loss	+ 0	0	18	35	74	97	92	70	40	29	19	11	485
- TOTAL CAWELO WD DIVERTED	= 101	0	1,716	3,382	7,214	9,406	9,007	6,724	3,973	2,767	1,900	1,161	47,351
Kern River Supply	- 63	0	1,214	2,854	6,615	2,873	3,293	2,406	782	1,458	1,624	872	24,054
Oilfield Discharge Supply	- 38	0	502	528	599	520	579	510	503	369	240	289	4,677
C.V.C. Conduit "A" Supply	= 0	0	0	0	0	6,013	5,135	3,808	2,688	940	36	0	18,620
Rosedale Ranch ID 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	+ 143	135	61	62	61	60	61	61	66	61	84	106	961
= NKWSD FROM LERDO CANAL	+ 2,189	9,468	4,186	3,215	3,747	4,786	5,909	2,704	1,387	2,753	7,015	3,118	50,477
Kern River Supply	- 1,750	8,747	3,534	1,767	2,993	4,118	5,183	2,043	761	2,241	6,290	2,653	42,080
Oilfield Discharge Supply	- 582	856	713	736	815	728	787	722	692	573	809	571	8,584
C.V.C. Conduit "A" Supply	= 0	0	0	774	0	0	0	0	0	0	0	0	774

Year: 1992

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	0	34	92	208	149	250	261	170	105	110	166	35
2	0	66	76	203	149	226	286	170	104	114	136	39
3	0	56	122	169	137	283	293	167	104	93	124	38
4	0	43	40	142	137	290	298	161	70	95	130	38
5	0	36	43	122	152	272	285	162	67	99	139	40
6	5	22	92	82	150	243	260	174	65	68	187	46
7	69	29	98	82	182	219	225	183	69	69	210	139
8	42	34	80	94	179	231	214	152	70	67	187	80
9	58	26	73	103	177	211	227	145	53	70	202	46
10	38	32	31	62	169	220	233	152	55	86	184	57
11	41	81	40	62	157	221	256	136	63	80	182	92
12	35	169	42	65	157	248	265	148	74	73	194	127
13	33	206	38	60	107	238	267	160	71	64	181	91
14	42	238	37	58	114	242	261	160	66	101	185	47
15	25	276	47	58	126	218	218	185	84	105	188	48
16	27	275	35	83	127	205	224	180	96	91	181	122
17	26	284	46	89	143	190	237	173	114	74	178	208
18	31	244	57	109	152	165	248	154	116	83	181	70
19	31	248	66	127	169	220	259	169	89	70	169	61
20	28	264	85	98	205	216	274	161	105	70	138	62
21	30	316	61	99	205	222	266	160	118	74	127	64
22	48	307	135	113	211	287	266	175	118	72	118	62
23	62	265	146	159	208	306	261	174	126	55	111	60
24	67	258	125	134	225	287	241	144	91	48	113	53
25	69	222	126	113	228	278	207	123	111	61	113	57
26	69	229	158	121	232	232	187	122	100	92	120	57
27	64	187	181	129	234	226	188	106	103	108	114	56
28	65	175	190	105	245	216	185	120	93	114	98	58
29	65	152	188	106	217	221	209	116	84	116	61	59
30	52	-	180	141	225	242	202	109	89	166	48	57
31	29	-	214	-	227	-	186	111	-	164	-	57
TOTAL	1,151	4,774	2,944	3,296	5,495	7,125	7,489	4,722	2,673	2,752	4,465	2,126
MAXIMUM DAY	69	316	214	208	245	306	298	185	126	166	210	208
MINIMUM DAY	0	22	31	58	107	165	185	106	53	48	48	35
MEAN	37	165	95	110	177	238	242	152	89	89	149	69
TOTAL AC.FT.	2,284	9,468	5,841	6,537	10,900	14,132	14,855	9,367	5,300	5,459	8,855	4,218
WHOLE YEAR:-	TOTAL,	49,012	MAX.,	316	MIN.,	0	MEAN,	134	TOTAL AC.FT.,	97,216		

NORTH KERN WATER STORAGE DISTRICT
LERDO CANAL OPERATIONS

Year: 1992

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Total Beardsley Canal Supply	+ 2,453	9,844	6,701	7,470	12,543	15,980	16,641	10,842	6,158	6,325	9,221	4,459	108,637
+ KRC & Irr. Co. Laterals	16	42	350	413	1,017	1,236	1,174	1,228	381	285	85	58	6,285
+ KRC & Irr. Co. Boosters	0	161	327	340	443	432	429	64	297	398	101	0	2,992
+ Lined Section Loss: KRC & Irr. Co.	4	38	61	58	61	60	61	61	54	61	36	16	571
= KRC & Irr. Co. from Beardsley	- 20	241	738	811	1,521	1,728	1,664	1,353	732	744	222	74	9,848
Rosedale Ranch ID via 1-1-0	- 0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD via 1-1-0 Lateral	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Other from Beardsley	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss: Cawelo WD	- 6	0	61	60	61	60	61	61	60	61	60	61	612
Lined Section Loss: NKWSD	- 143	135	61	62	61	60	61	61	66	61	84	106	961
Lerdo Canal Total Flow	= 2,284	9,468	5,841	6,537	10,900	14,132	14,855	9,367	5,300	5,459	8,855	4,218	97,216
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 8-1-0	- 0	0	0	0	0	0	0	0	0	0	0	0	0
K-TWD/RGWD via 8-17-0	- 0	0	0	0	0	0	0	0	0	0	0	0	0
+ Cawelo WD Delivered at Sta. "B"	95	0	1,460	3,042	6,775	8,785	8,489	6,238	3,746	2,501	1,781	1,085	43,997
+ Cawelo WD 8-0 Deliveries	0	0	177	245	304	464	365	355	127	176	40	4	2,257
+ Lerdo Loss: to Station "B"	0	0	15	30	68	88	85	63	37	25	18	11	440
+ Lerdo Loss: 8-0 Deliveries	0	0	3	5	6	9	7	7	3	4	1	0	45
= Cawelo WD Total from Lerdo	- 95	0	1,655	3,322	7,153	9,346	8,946	6,663	3,913	2,706	1,840	1,100	46,739

North Kern WSD from Lerdo	= 2,189	9,468	4,186	3,215	3,747	4,786	5,909	2,704	1,387	2,753	7,015	3,118	50,477
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Year: 1992

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	28	0	29	24	59	0	0	0	0	0	0	0
2	23	0	25	27	59	0	0	0	0	0	0	0
3	18	0	25	32	56	0	0	0	0	0	0	0
4	18	0	23	43	57	0	0	0	0	0	0	0
5	27	0	25	42	54	0	0	0	0	0	0	0
6	14	0	29	44	55	0	0	0	0	0	0	0
7	0	0	29	43	58	0	0	0	0	0	0	0
8	22	0	29	41	54	0	0	0	0	0	0	0
9	6	0	27	43	63	0	0	0	0	0	0	0
10	27	0	28	45	59	0	0	0	0	0	0	0
11	27	0	31	50	62	0	0	0	0	0	0	0
12	20	0	33	46	66	0	0	0	0	0	0	0
13	24	18	34	53	72	0	0	0	0	0	0	0
14	17	17	29	50	64	0	0	0	0	0	0	0
15	4	17	30	40	61	0	0	0	0	0	0	0
16	0	17	28	47	58	0	0	0	0	0	0	0
17	7	17	33	47	50	0	0	0	0	0	0	0
18	23	16	35	47	51	0	0	0	0	0	0	0
19	23	17	35	52	62	0	0	0	0	0	0	0
20	26	18	35	53	75	0	0	0	0	0	0	0
21	6	18	28	50	67	0	0	0	0	0	0	0
22	9	17	20	49	61	0	0	0	0	0	0	0
23	22	17	22	49	69	0	0	0	0	0	0	0
24	21	18	30	50	58	0	0	0	0	0	0	0
25	21	17	41	53	64	0	0	0	0	0	0	0
26	19	17	39	53	68	0	0	0	0	0	0	0
27	20	17	34	48	66	0	0	0	0	0	0	0
28	21	16	34	57	63	0	0	0	0	0	0	0
29	21	17	34	55	77	0	0	0	0	0	0	0
30	24	-	32	48	79	0	0	0	0	0	0	0
31	4	-	28	-	74	-	0	0	-	0	-	0
TOTAL	542	291	934	1,381	1,941	0	0	0	0	0	0	0
MAXIMUM DAY	28	18	41	57	79	0	0	0	0	0	0	0
MINIMUM DAY	0	0	20	24	50	0	0	0	0	0	0	0
MEAN	17	10	30	46	63	0	0	0	0	0	0	0
TOTAL AC.FT.	1,075	577	1,853	2,740	3,850	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	5,089	MAX.,	79	MIN.,	0	MEAN,	14	TOTAL AC.FT.,	10,095		

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

Quantities in acre-feet

Year: 1992

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FLOW AT HEADWORKS													
+ 1,075	577	1,853	2,740	3,850	0	0	0	0	0	0	0	0	10,095
- 908	477	1,653	2,484	3,485	0	0	0	0	0	0	0	0	9,007
+ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 167	100	200	256	365	0	0	0	0	0	0	0	0	1,088
FLOW AT MEASURING STATION													
+ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 0	0	0	0	0	0	0	0	0	0	0	0	0	0
+ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOW AT STANDARD WEIR													
- 0	0	0	0	0	0	0	0	0	0	0	0	0	0
+ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 0	0	0	0	0	0	0	0	0	0	0	0	0	0
+ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOW AT LABORDE WEIR													
- 0	0	0	0	0	0	0	0	0	0	0	0	0	0
+ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 0	0	0	0	0	0	0	0	0	0	0	0	0	0
+ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
- 0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLOW AT SEVENTH STANDARD LINE for Rosedale Ranch ID for North Kern WSD													
+ 167	106	290	492	598	0	0	0	0	0	0	0	0	1,653
+ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
+ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
+ 908	471	1,563	2,248	3,252	0	0	0	0	0	0	0	0	8,442
+ 0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED	1,075	577	1,853	2,740	3,850	0	10,095						
KERN COUNTY WATER AGENCY / I.D. #4:													
+ Operating Loss	167	106	290	492	598	0	0	0	0	0	0	0	1,653
+ Turnout #4 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Reverse Flow at Pump Plant #7	0	0	0	0	0	0	0	0	0	0	0	0	0
+ ID #4 Treatment Plant	908	471	1,563	2,248	3,252	0	0	0	0	0	0	0	8,442
+ Spreading Below Measuring Sta.	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED	1,075	577	1,853	2,740	3,850	0	10,095						
KERN RIVER CANAL & IRRIGATING CO.:													
+ Calloway Irrigation Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Delivery Loss/ Spreading	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED	0	0	0	0	0	0	0	0	0	0	0	0	0
ROSEDALE RANCH ID:													
+ Flow at Headworks	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Flow at Seventh Standard Line	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Assigned Loss	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH KERN WATER STORAGE DISTRICT:													
+ Flow at Seventh Standard Line	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Total Loss	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED	0	0	0	0	0	0	0	0	0	0	0	0	0

North Kern Water Storage District
Class 1 Irrigation Deliveries

Year: 1992

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	20	74	48	178	273	295	222	117	177	20	15
2	0	13	118	72	200	295	281	211	128	156	25	11
3	0	30	84	64	163	282	275	207	128	144	32	19
4	0	27	84	67	193	289	268	221	108	123	34	13
5	0	38	64	37	201	270	227	208	121	137	34	10
6	0	31	74	62	222	253	254	211	116	136	36	10
7	5	22	71	74	207	241	235	215	134	143	27	5
8	5	30	60	75	211	243	265	196	126	125	22	0
9	9	33	60	84	181	237	273	153	127	121	51	0
10	9	50	53	100	155	246	269	208	96	131	54	0
11	9	55	97	85	206	235	277	215	121	86	52	0
12	6	66	99	76	197	246	257	222	137	114	55	0
13	9	48	92	133	243	243	293	224	124	96	46	0
14	5	48	96	134	238	211	292	217	118	83	41	0
15	5	16	104	156	232	203	294	204	108	91	41	0
16	6	12	140	165	220	234	278	214	133	77	46	0
17	5	15	157	177	222	253	284	223	132	67	57	7
18	5	13	181	152	270	265	297	229	130	51	53	7
19	6	38	181	117	256	279	291	245	124	63	53	8
20	6	42	165	190	279	253	332	260	131	65	53	5
21	12	57	167	193	291	253	319	240	174	67	43	15
22	14	62	155	214	294	297	313	240	173	81	40	13
23	12	46	128	249	291	268	287	206	177	74	46	12
24	9	51	126	237	275	272	281	202	171	66	54	8
25	10	45	100	208	329	293	257	200	172	42	41	9
26	8	49	105	218	314	262	242	165	165	58	39	13
27	10	59	105	246	315	239	277	164	158	58	40	13
28	11	43	78	197	302	223	266	140	176	73	36	15
29	13	88	60	180	284	282	269	109	183	58	30	19
30	15	-	68	177	271	288	231	97	181	43	24	15
31	33	-	77	-	247	-	257	129	-	28	-	18
TOTAL	237	1,147	3,223	4,187	7,474	7,728	8,536	6,197	4,189	2,834	1,225	260
MAXIMUM DAY	33	88	181	249	329	297	332	260	183	177	57	19
MINIMUM DAY	0	12	53	37	155	203	227	97	96	28	20	0
MEAN	8	40	104	140	241	258	275	200	140	91	41	8
TOTAL AC.FT.	470	2,275	6,392	8,304	14,824	15,329	16,930	12,292	8,308	5,622	2,430	516
WHOLE YEAR:-	TOTAL,	47,237	MAX.,	332	MIN.,	0	MEAN,	129	TOTAL AC.FT.,	93,692		

North Kern Water Storage District
Class 2 Irrigation Deliveries

Year: 1992

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	38	0	0	0	0	0	0	20	0
2	0	0	0	40	0	0	0	0	0	0	22	0
3	0	0	0	46	0	0	0	0	0	0	13	0
4	0	0	0	64	0	0	0	0	0	0	13	0
5	0	0	0	44	0	0	0	0	0	0	13	0
6	0	0	0	20	0	0	0	0	0	0	16	0
7	0	0	0	0	0	0	0	0	0	0	13	0
8	0	4	0	0	0	0	0	0	0	0	13	4
9	0	4	0	0	0	0	0	0	0	0	14	4
10	0	11	0	0	0	0	0	0	0	0	9	4
11	0	11	0	0	0	0	0	0	0	0	10	4
12	0	4	0	0	0	0	0	0	0	0	10	3
13	0	3	0	0	0	0	0	0	0	0	16	3
14	0	3	0	0	0	0	0	0	0	0	15	4
15	0	0	0	0	0	0	0	0	0	0	16	3
16	0	0	0	0	0	0	0	0	0	0	16	4
17	0	0	0	0	0	0	0	0	0	0	19	4
18	0	0	0	0	0	0	0	0	0	0	20	3
19	0	3	0	0	0	0	0	0	0	0	19	3
20	0	7	0	0	0	0	0	0	0	0	20	4
21	2	8	0	0	0	0	0	0	0	0	9	0
22	3	8	0	0	0	0	0	0	0	0	20	0
23	5	0	0	0	0	0	0	0	0	0	17	4
24	5	0	0	0	0	0	0	0	0	0	18	4
25	4	0	0	0	0	0	0	0	0	0	22	4
26	5	0	0	0	0	0	0	0	0	0	5	4
27	4	0	0	0	0	0	0	0	0	0	5	4
28	5	0	0	0	0	0	0	0	0	0	3	4
29	0	0	0	0	0	0	0	0	0	0	5	7
30	0	-	0	0	0	0	0	0	0	0	0	6
31	0	-	30	-	0	-	0	0	-	19	-	6
TOTAL	33	66	30	252	0	0	0	0	0	19	411	90
MAXIMUM DAY	5	11	30	64	0	0	0	0	0	19	22	7
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	2	1	8	0	0	0	0	0	1	14	3
TOTAL AC.FT.	66	130	59	501	0	0	0	0	0	39	816	179
WHOLE YEAR:-	TOTAL,	901	MAX.,	64	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,790		

North Kern Water Storage District
Emergency Irrigation Deliveries

Year: 1992

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	7	10	11	0	0	0	0
2	0	0	0	0	0	7	15	3	2	0	0	0
3	0	0	0	0	0	7	16	3	2	0	0	0
4	0	0	0	0	0	11	9	4	2	0	0	0
5	0	0	0	0	0	11	6	4	2	0	0	0
6	0	0	0	0	0	18	7	7	0	1	0	0
7	0	0	0	3	0	19	5	7	0	1	0	0
8	0	0	0	0	0	18	4	3	0	1	0	0
9	0	0	0	0	0	13	4	4	0	2	0	0
10	0	0	0	1	0	10	4	2	1	0	0	0
11	0	0	0	0	0	6	5	3	1	0	0	0
12	0	0	0	0	0	7	3	3	2	0	0	0
13	0	0	0	0	0	6	3	2	1	0	0	0
14	0	0	0	0	0	7	0	3	2	0	0	0
15	0	0	0	0	0	6	0	3	1	0	0	0
16	0	0	0	0	5	6	0	2	2	0	0	0
17	0	0	0	0	5	6	0	2	1	0	0	0
18	0	0	0	0	4	9	2	3	1	0	0	0
19	0	0	0	0	3	5	3	4	2	0	0	0
20	0	0	0	5	3	4	2	5	0	0	0	0
21	0	0	0	4	2	4	3	6	0	0	0	0
22	0	0	0	5	0	0	2	4	0	0	0	0
23	0	0	0	2	0	0	3	4	0	0	0	0
24	0	0	0	4	0	3	0	4	0	0	0	0
25	0	0	0	4	3	4	0	5	0	0	0	0
26	0	0	0	4	3	3	0	6	0	0	0	0
27	0	0	0	0	3	3	0	3	0	0	0	0
28	0	0	0	0	6	3	0	3	0	0	0	0
29	0	0	0	0	6	4	4	2	0	0	0	0
30	0	-	0	0	6	4	11	2	0	0	0	0
31	0	-	0	-	7	-	0	2	-	0	-	0
TOTAL	0	0	0	32	59	208	121	119	22	5	0	0
MAXIMUM DAY	0	0	0	5	7	19	16	11	2	2	0	0
MINIMUM DAY	0	0	0	0	0	0	0	2	0	0	0	0
MEAN	0	0	0	1	2	7	4	4	1	1	0	0
TOTAL AC.FT.	0	0	0	64	117	413	240	236	43	10	0	0
WHOLE YEAR:-	TOTAL,	566	MAX.,	19	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,123		

Year: 1992

Poso Creek Natural Flow as Measured at Highway "99"

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,	TOTAL AC.FT., 0											
	MEAN, 0											
	MIN., 0											
	MAX., 0											
	TOTAL AC.FT., 0											

Year: 1992

Total Flow via the Rosedale Ranch I.D. 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	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	MAX.,	0	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0	0	0

Year: 1992

Shafter-Wasco ID Exchange Payback Delivered 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	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	20	0	0	0	0	0	0	0	0
17	0	0	0	20	0	0	0	0	0	0	0	0
18	0	0	0	20	0	0	0	0	0	0	0	0
19	0	0	0	20	0	0	0	0	0	0	0	0
20	0	0	0	30	0	0	0	0	0	0	0	0
21	0	0	0	30	0	0	0	0	0	0	0	0
22	0	0	0	43	0	0	0	0	0	0	0	0
23	0	0	0	90	0	0	0	0	0	0	0	0
24	0	0	0	50	0	0	0	0	0	0	0	0
25	0	0	0	30	0	0	0	0	0	0	0	0
26	0	0	0	30	0	0	0	0	0	0	0	0
27	0	0	0	7	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	390	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	90	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	13	0	0	0	0	0	0	0	0
TOTAL AC.FT.	0	0	0	774	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	390	MAX.,	90	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	774		

North Kern WSD Exchange Water Delivered to Cawelo Water District
 (Per terms of NKWSD/CWD Letter Agreement Dated October 31, 1992) Year: 1992

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	16	0
2	0	0	0	0	0	0	0	0	0	0	46	0
3	0	0	0	0	0	0	0	0	0	0	26	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	2	0
10	0	0	0	0	0	0	0	0	0	0	5	0
11	0	0	0	0	0	0	0	0	0	0	3	0
12	0	0	0	0	0	0	0	0	0	0	2	0
13	0	0	0	0	0	0	0	0	0	0	27	0
14	0	0	0	0	0	0	0	0	0	0	26	0
15	0	0	0	0	0	0	0	0	0	0	24	0
16	0	0	0	0	0	0	0	0	0	0	26	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	8	0
21	0	0	0	0	0	0	0	0	0	0	9	0
22	0	0	0	0	0	0	0	0	0	0	4	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	3	0
25	0	0	0	0	0	0	0	0	0	0	1	0
26	0	0	0	0	0	0	0	0	0	0	1	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	1	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	22	0	0
TOTAL	0	0	0	0	0	0	0	0	0	22	240	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	22	46	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	1	8	0
TOTAL AC.FT.	0	0	0	0	0	0	0	0	0	44	476	0
WHOLE YEAR:-	TOTAL,	262	MAX.,	46	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	520		

**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
1990													
NKWSD to CITY	1,552	0	0	0	0	0	0	0	0	0	0	0	1,552
CITY to NKWSD	288	0	89	0	0	0	0	0	0	0	268	71	716
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	34,127	34,127	34,038	34,038	34,038	34,038	34,038	34,038	34,038	34,038	33,770	33,699	

1991													
NKWSD to CITY	0	0	2,939	937	0	0	0	0	0	0	2,563	2,324	8,763
CITY to NKWSD	204	0	0	0	0	0	0	0	75	0	0	706	985
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	33,495	33,495	36,434	37,371	37,371	37,371	37,371	37,371	37,296	37,296	39,859	41,477	

1992													
NKWSD to CITY	1,088	122	75	2	0	0	0	0	0	0	0	2,235	3,522
CITY to NKWSD	99	383	1,120	2,508	0	0	0	0	0	0	13	153	4,276
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	42,466	42,205	41,160	38,654	38,654	38,654	38,654	38,654	38,654	38,654	38,641	40,723	

COST ALLOCATION AND WATERMASTER SUMMARIES

CARRIER CANAL SYSTEM - ALLOCATION
Utilization of Water - Preceding Five Years

Year: 1992

Quantities in acre-feet

	Year: 1992					Five Year Total	Allocation Percentage
	1988	1989	1990	1991	1992		
TOTAL CARRIER CANAL FLOW (1)	44,972	46,492	11,375	94,595	43,743	241,177	100.00%
Stine Canal Total Diverted (2)	7,553	10,913	0	6,665	0	25,131	10.42%
Buena Vista Canal Total Diverted (2)	18,551	21,844	11,350	15,070	17,861	84,676	35.11%
River Canal Total Diverted	498	63	0	555	1,827	2,943	1.22%
KERN DELTA WATER DISTRICT TOTAL DIVERTED FROM CARRIER CANAL	26,602	32,820	11,350	22,290	19,688	112,750	46.75%
KERN RIVER CONDUIT (City of Bakersfield)	18,370	13,672	25	72,305	24,055	128,427	53.25%

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.

CALLOWAY AND BEARDSLEY CANALS

Allocation of Joint Accounts
1992

Quantities in acre-feet
BEARDSLEY CANAL USED
Preceding Five Years

Year	Diversed via Beardsley Canal			Subtotal	CWD/Other	TOTAL
	NKWSD	CITY	Subtotal			
1988	87,281	12,416	99,697	73,708	173,405	
1989	70,197	16,892	87,089	81,783	168,872	
1990	57,127	15,470	72,597	60,557	133,154	
1991	34,997	16,446	51,443	40,264	91,707	
1992	51,067	14,896	65,963	42,674	108,637	
Total	300,669	76,120	376,789	298,986	675,775	
Percent	79.80%	20.20%	100.00%			

CALLOWAY CANAL USED
Preceding Ten Years

Year	Diversed from River				TOTAL
	NKWSD	CITY	Subtotal	ID4	
1983	132,111	21,645	153,756	31,708	185,464
1984	10,478	4,607	15,085	16,534	31,619
1985	9,550	4	9,554	27,827	37,381
1986	110,443	33,807	144,250	63,711	207,961
1987	1,900	0	1,900	27,183	29,083
1988	0	0	0	26,406	26,406
1989	0	0	0	17,669	17,669
1990	0	0	0	3,317	3,317
1991	0	0	0	14,857	14,857
1992	0	0	0	10,095	10,095
Total	264,482	60,063	324,545	239,307	563,852
Percent	81.49%	18.51%	100.00%		

IMPROVEMENT DISTRICT NO. 4 USE OF CALLOWAY CANAL

Pursuant to Calloway Canal Agreement dated April 28, 1982

Year: 1992

Quantities in acre-feet
except where noted...

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Operating Loss	167	106	290	492	598	0	0	0	0	0	0	0	1,853
Treatment Plant	908	471	1,563	2,248	3,252	0	0	0	0	0	0	0	8,442
Reverse Flow via Pump Plant #7	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 Standard Weir	0	0	0	0	0	0	0	0	0	0	0	0	0
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
EC SUB-TOTAL DIVERSION	1,075	577	1,853	2,740	3,850	0	0	0	0	0	0	0	10,085
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	\$8.75
Escalator	1.156	1.156	1.156	1.156	1.156	1.156	1.156	1.156	1.156	1.156	1.156	1.156	13.872
Current Rate	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$10.446
EC SUB-TOTAL CHARGE	\$935.25	\$501.99	\$1,812.11	\$2,383.80	\$3,349.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,782.65
W E R S E T A E R H N													
Bartell Spreading	0	0	0	0	0	0	0	0	0	0	0	0	0
Loss Below Standard Weir	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
Trans. Charge Waived	0	0	0	0	0	0	0	0	0	0	0	0	0
EC SUB-TOTAL DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
Current Rate	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$0.87	\$10.446
EC 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	\$935.25	\$501.99	\$1,812.11	\$2,383.80	\$3,349.50	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$8,782.65

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

Year: 1992

Quantities in acre-feet

Canal	1988	1989	1990	1991	1992	Five Year	
						Total	Percentage
Kern Island	123,466	145,657	114,497	115,718	116,586	615,924	47.08%
Eastside	15,455	17,285	12,012	11,700	15,327	71,779	5.49%
Buena Vista	11,571	13,805	2,354	10,229	10,882	48,841	3.73%
Stine	7,349	10,892	0	6,884	3,740	28,865	2.21%
Farmers	4,606	7,171	34	7,248	3,407	22,466	1.72%
Subtotal Kern Delta WD	162,447	194,810	128,897	151,779	149,942	787,875	60.23%
City of Bakersfield	21,018	32,390	16,829	50,090	28,150	148,477	11.35%
K.R.C. & I. Co. (Beardsley)	8,145	12,780	11,166	10,181	8,963	51,235	3.92%
Central - I.D. #4 (Calloway)	26,406	17,669	3,317	14,857	10,095	72,344	5.53%
James	0	0	0	0	0	0	0.00%
Pioneer	0	0	0	0	0	0	0.00%
Subtotal City of Bakersfield	55,569	62,839	31,312	75,128	47,208	272,056	20.80%
North Kern WSD	75,710	59,688	42,733	27,984	42,080	248,195	18.97%
Total First Point Group	293,726	317,337	202,942	254,891	239,230	1,308,126	100.00%
South Fork	760	1,133	672	488	727		
First Point passing 2nd Point	0	0	0	0	0	0	
River Loss and Spreading	33,493	23,234	15,887	23,499	18,376	16,376	
Flow Above First Point	867	934	904	1,092	2,084		
Total 1st Point Group Diverted	328,846	342,638	220,405	279,970	260,417		

- Note:
ALL FIGURES REFLECT
GROSS DIVERSIONS...

**KERN COUNTY RECREATION POOL REPORT
FROM THE KERN RIVER WATERMASTER**

Year: 1992

Quantities in acre-feet
except where noted...

	Total Storage In Reservoir	Total Water Surface Area (Acres)	Area Attributable to Rec. Pool (Acres)	County of Kern	
				Total Reservoir Loss	Ming Lake Net Inflow Recreation Pool Loss
End of Previous Year	89,654	3,887	985		
January	88,879	3,863	990	1,137	16 290
February	89,421	3,880	990	1,016	16 266
March	89,034	3,868	990	1,295	44 335
April	116,374	4,659	875	2,218	60 498
May	153,549	5,603	750	3,459	77 516
June	143,570	5,363	780	4,132	105 569
July	114,015	4,594	880	4,542	127 750
August	89,615	3,886	990	4,024	121 916
September	84,105	3,715	1,015	2,910	91 768
October	83,661	3,701	1,020	1,862	65 512
November	82,886	3,677	1,020	1,285	42 355
December	82,262	3,657	1,025	1,238	26 343
ISABELLA RESERVOIR RECREATION POOL:			TOTALS	29,118	790 6,118

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: 1992

	CALENDAR YEAR				WATER YEAR					
	FIRST POINT		ENTITLEMENT		FIRST POINT		ENTITLEMENT			
	REGULATED	NATURAL	NKWS	BWSD	HWD	REGULATED	NATURAL	NKWS	BWSD	HWD
JANUARY	13,593	14,069	14,069	0	0	11,353	9,358	9,358	0	0
To Date	13,593	14,069	14,069	0	0	11,353	9,358	9,358	0	0
FEBRUARY	20,711	22,314	22,314	0	0	13,381	13,940	13,940	0	0
MARCH	34,304	36,383	36,383	0	0	24,734	23,298	23,298	0	0
APRIL	25,451	26,410	23,828	2,582	0	14,394	13,067	13,067	0	0
MAY	59,755	62,793	60,211	2,582	0	39,128	36,365	36,365	0	0
JUNE	25,777	55,448	43,488	11,960	0	13,593	14,069	14,069	0	0
JULY	85,532	118,241	103,699	14,542	0	52,721	50,434	50,434	0	0
AUGUST	33,548	74,394	56,596	17,798	0	20,711	22,314	22,314	0	0
SEPTEMBER	119,080	192,635	160,295	32,340	0	73,432	72,748	72,748	0	0
OCTOBER	38,600	32,987	28,153	4,834	0	25,451	26,410	23,828	2,582	0
Year	157,680	225,622	188,448	37,174	0	98,883	99,158	96,576	2,582	0
	40,967	16,324	16,251	73	0	25,777	55,448	43,488	11,960	0
	198,647	241,946	204,699	37,247	0	124,660	154,606	140,064	14,542	0
	31,928	11,942	11,942	0	0	33,548	74,394	56,596	17,798	0
	230,575	253,888	216,641	37,247	0	158,208	229,000	196,660	32,340	0
	10,195	7,896	7,896	0	0	38,600	32,987	28,153	4,834	0
	240,770	261,784	224,537	37,247	0	196,808	261,987	224,813	37,174	0
	7,789	9,414	9,414	0	0	40,967	16,324	16,251	73	0
	248,559	271,198	233,951	37,247	0	237,775	278,311	241,064	37,247	0
	10,383	11,054	11,054	0	0	31,928	11,942	11,942	0	0
	258,942	282,252	245,005	37,247	0	269,703	290,253	253,006	37,247	0
	13,880	14,577	14,577	0	0	10,195	7,896	7,896	0	0
Year	272,822	296,829	259,582	37,247	0	279,898	298,149	260,902	37,247	0

1894 to 1992 Mean April-July Runoff = 464,311 acre-feet (100% of Average)
1992 April-July Runoff = 179,153 acre-feet (39% of Average)

1894 to 1992 Mean March-October Runoff = 595,124 acre-feet (100% of Average)
1992 March-October Runoff = 234,815 acre-feet (39% of Average)

Quantities in S.F.D. except where noted

JANUARY 1992

REPORT OF THE KERN RIVER WATERMASTER

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		LOSS	FRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	BRAVO POWER CANAL REFILL	RIO BRAVO POWER CANAL REFILL	CHANGE IN STORAGE		COMPUTED 1ST POINT NATURAL FLOW	MEAN FLOW	STORAGE	KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	FRONT-KERN INFLOW
		MIDNIGHT	S.F.D.						+1ST POINT	-1ST POINT						
Previous Day	2544.07	89,864	45,201	23	192	1	0	0	236	236	236	45,201	29,863	6	0	0
1	2544.06	89,816	45,161	24	203	1	3	0	211	208	208	45,178	29,900	6	0	0
2	2544.03	89,499	45,122	25	216	1	18	0	201	201	201	45,119	29,901	6	0	0
3	2544.01	89,421	45,083	15	208	1	7	0	192	216	216	45,104	29,886	4	0	0
4	2544.01	89,421	45,083	22	234	1	0	0	257	264	264	45,111	29,883	0	0	0
5	2544.04	89,538	45,142	16	267	1	0	0	343	292	292	45,119	29,901	4	0	0
6	2544.04	89,538	45,142	17	258	1	0	0	278	329	329	45,172	29,864	4	0	0
7	2544.10	89,771	45,280	24	225	1	0	0	398	280	280	45,202	29,984	6	0	0
8	2544.08	89,693	45,220	16	220	1	0	0	197	258	258	45,223	30,005	4	0	0
9	2544.05	89,576	45,161	17	252	1	0	0	211	212	212	45,185	29,947	4	0	0
10	2544.03	89,499	45,122	17	249	1	0	0	228	213	213	45,111	29,863	4	0	0
11	2544.00	89,383	45,064	15	241	1	0	0	199	229	229	45,083	29,865	4	0	0
12	2544.00	89,383	45,064	15	245	1	0	0	261	221	221	45,043	29,825	4	0	0
13	2543.97	89,287	45,005	15	245	1	0	0	202	228	228	45,006	29,780	4	0	0
14	2543.95	89,189	44,966	18	234	1	0	0	214	217	217	44,972	29,754	5	0	0
15	2543.95	89,228	44,966	12	202	1	0	0	235	219	219	44,978	29,753	3	0	0
16	2543.98	89,228	44,966	8	199	1	0	0	208	233	233	45,001	29,783	2	0	0
17	2543.96	89,305	45,025	18	199	1	0	0	257	231	231	45,014	29,788	5	0	0
18	2543.98	89,305	45,025	33	195	1	0	0	229	236	236	45,021	29,803	8	0	0
19	2543.96	89,305	45,025	24	197	1	0	0	222	214	214	45,013	29,795	8	0	0
20	2543.96	89,228	44,966	20	205	1	0	0	190	206	206	44,980	29,772	5	0	0
21	2543.94	89,150	44,946	18	228	1	0	0	205	205	205	44,950	29,732	5	0	0
22	2543.93	89,112	44,927	18	219	1	0	0	219	212	212	44,924	29,708	5	0	0
23	2543.92	89,073	44,908	12	217	1	0	0	211	216	216	44,910	29,692	3	0	0
24	2543.91	89,034	44,888	18	219	1	0	0	218	207	207	44,879	29,681	5	0	0
25	2543.89	88,957	44,849	16	213	1	0	0	191	209	209	44,858	29,640	4	0	0
26	2543.86	88,918	44,830	21	215	1	0	0	218	214	214	44,835	29,617	5	0	0
27	2543.86	88,918	44,830	17	216	1	0	0	234	228	228	44,827	29,609	4	0	0
28	2543.86	88,918	44,830	18	209	1	0	0	228	228	228	44,825	29,607	5	0	0
29	2543.86	88,918	44,830	17	197	1	0	0	215	224	224	44,834	29,616	4	0	0
30	2543.86	88,918	44,830	26	201	1	0	0	228	224	224	44,830	29,612	7	0	0
31	2543.87	88,879	44,810	21	224	1	0	0	225	225	225	44,810	29,582	5	0	0
TOTAL SECOND FOOT DAYS				573	6,953	30	28	28	7,093	7,093	7,093	44,810	29,592	148	0	0
TOTAL ACRE- FEET				1,137	13,563	59	55	55	14,088	14,088	14,088	58,879	58,886	280	0	0

By:  Date: FEBRUARY 20, 1992

REPORT OF THE KERN RIVER WATERMASTER

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
January	1	2	BVWSD-RESERVOIR STORAGE NKWSD-RESERVOIR STORAGE	Reflects transfer of 7 acre-feet (4 s.i.d.) from BUENA VISTA WATER STORAGE DISTRICT to NORTH KERN WATER STORAGE DISTRICT of Carmel Right water as compensation for additional evaporation of Kern River water resulting from Rio Bravo Power Plant operations as per terms of Section 6 of May 14, 1985 Memorandum of Understanding between Ocoee Water District and Kern River interests. (Total of 9 acre-feet of additional evaporation due to Rio Bravo Power Plant operations during the period of May 1, 1991 through December 31, 1991; shared 75% NKWSD and 25% BVWSD).

SNOW SURVEY DATA FOR KERN RIVER BASIN

Date: February 1, 1992

SNOW COURSE	SNOW SENSOR NUMBER	CALIF. NUMBER	ELEV. IN FEET	APRIL 1ST AVERAGE WATER CONTENT	DATE MEASURED	SNOW DEPTH IN INCHES	DENSITY (%)	WATER CONTENT IN INCHES	% OF APRIL 1ST MEASURED AVERAGE	MEASURED BY
	U. Tyndall									
Bighorn Plateau	516		11,450	27.7	1-27	24.0	28%	7.0	25%	DWR
Cottonwood Pass	250		11,350	22.4	1-28	14.9	28%	3.7	17%	DWR
Siberian Pass	261		11,050	14.1	1-28	13.7	28%	3.9	28%	DWR
Crabtree Meadow	262		10,900	18.6	1-28	14.9	28%	4.1	22%	DWR
	263		10,700	19.3	1-28	16.9	28%	4.3	22%	DWR
	263		10,700	19.8	1-28	22.5	24%	6.5	28%	DWR
Guyot Flat	264		10,650	20.4	1-28	15.0	24%	3.6	18%	DWR
Tyndall Creek	265		10,650	18.8	1-28	13.8	21%	2.9	15%	DWR
Sandy Meadow	275		10,650	18.7	1-28	16.4	28%	4.3	28%	DWR
Big Whitney Mss.	514		10,300	21.8	1-28	15.0	20%	3.0	14%	SKNP
Rock Creek	257		9,750	17.0	1-30	12.9	24%	3.1	18%	DWR
Round Meadow	266		9,600	17.8	1-28	18.5	24%	4.5	28%	DWR
	588		9,130	24.9	1-28	30.0	29%	8.8	35%	CMFRD
	268		9,000	28.5	1-28	20.8	29%	6.1	23%	CMFRD
	830		8,960	15.8	1-30	8.3	24%	2.0	13%	DWR
	518		8,950	30.3						
Ramshaw Meadow	269		8,700	12.3	1-30	11.1	21%	2.3	19%	DWR
L. Whitney Mss.	280		8,500	14.8	1-31	12.3	25%	3.1	21%	DWR
Casa Vieja Mss.	282		8,400	20.7	1-30	18.8	22%	3.7	18%	CMFRD
	282		8,400	20.7	1-30	23.0	22%	5.0	24%	CMFRD
Quinn Ranger Sta.	284		8,350	20.9						
Bonita Meadows	281		8,300	15.0	1-29	13.9	27%	3.7	25%	CMFRD
Beach Meadows	285		7,650	9.9	1-29	9.8	20%	2.0	20%	CMFRD
	285		7,650	11.0	1-28	0.0	0%	0.0	0%	

CALIFORNIA COOPERATIVE SNOW SURVEYS FORECAST as of FEBRUARY 1, 1992 for KERN RIVER INFLOW TO ISABELLA RESERVOIR...
 April-July = 165,000 acre-feet (36% of Average) *** Water Year = 305,000 acre-feet (43% of Average)
 60 Percent Probability Range (Actual runoff should fall within the stated limits eight times out of ten)...
 April-July = 105,000 ac.ft. to 480,000 ac.ft. *** Water Year = 210,000 ac.ft. to 500,000 ac.ft.

REPORT OF THE KERN RIVER WATERMASTER

FEBRUARY 1982

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	STORAGE-LOSS +1ST POINT +FLOW ABOVE 1ST POINT	COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL IRRIGATION	STORAGE Recreation Pool + Dead Storage - 15,219 S.F.D. (50,194 ACFT)	KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	FRONT-KERN INFLOW	DAY
		MIDNIGHT	S.F.D.											
Previous Day	2543.87	89,879	44,810	21	224	0	225	225	44,810	29,582	5	0	0	0
1	2543.85	89,802	44,771	16	230	0	209	208	44,770	29,552	5	0	0	1
2	2543.83	89,725	44,732	11	234	0	206	217	44,742	29,524	3	0	0	2
3	2543.82	89,696	44,713	23	234	0	238	221	44,708	29,498	6	0	0	3
4	2543.81	89,648	44,693	18	219	1	218	219	44,687	29,469	5	0	0	4
5	2543.79	89,570	44,664	17	222	1	201	216	44,683	29,445	4	0	0	5
6	2543.78	89,532	44,635	19	228	0	228	221	44,637	29,419	5	0	0	6
7	2543.77	89,493	44,615	11	242	0	233	246	44,630	29,412	3	0	0	7
8	2543.75	89,532	44,635	16	241	1	278	263	44,635	29,417	4	0	0	8
9	2543.79	89,570	44,664	16	243	0	277	275	44,662	29,434	4	0	0	9
10	2543.80	89,609	44,674	13	237	0	270	302	44,704	29,466	3	0	0	10
11	2543.82	89,666	44,713	13	305	1	358	401	44,786	29,588	3	0	0	11
12	2543.81	89,634	44,699	19	379	1	574	497	44,854	29,698	5	0	0	12
13	2543.96	89,228	44,988	11	448	1	558	531	44,955	29,737	3	0	0	13
14	2543.97	89,267	45,005	24	417	1	481	514	45,027	29,809	6	0	0	14
15	2544.00	89,363	45,064	14	450	1	524	480	45,042	29,824	4	0	0	15
16	2544.00	89,383	45,064	6	447	1	454	484	45,072	29,854	2	0	0	16
17	2544.01	89,421	45,083	15	440	1	475	451	45,067	29,849	4	0	0	17
18	2544.01	89,421	45,083	19	404	1	424	425	45,068	29,850	5	0	0	18
19	2543.96	89,305	45,025	22	412	1	377	405	45,038	29,820	6	0	0	19
20	2543.96	89,228	44,988	20	431	1	413	444	45,030	29,812	5	0	0	20
21	2543.96	89,305	45,025	19	483	1	542	494	45,021	29,803	5	0	0	21
22	2544.00	89,383	45,064	23	463	1	526	520	45,054	29,836	6	0	0	22
23	2544.02	89,460	45,103	19	432	1	491	497	45,089	29,881	5	0	0	23
24	2544.02	89,460	45,103	18	466	1	475	467	45,081	29,863	5	0	0	24
25	2544.00	89,383	45,064	17	427	1	408	448	45,084	29,888	4	0	0	25
26	2543.99	89,344	45,044	28	453	2	483	443	45,044	29,826	7	0	0	26
27	2543.99	89,344	45,044	24	437	1	462	481	45,043	29,825	6	0	0	27
28	2543.99	89,344	45,044	22	434	1	457	458	45,044	29,826	6	0	0	28
29	2544.01	89,421	45,083	18	394	1	452	452	45,083	29,865	5	0	0	29
TOTAL SECOND FOOT DAYS				512	10,442	23	11,250	11,250	45,083	29,865	134	0	0	0
TOTAL ACRE-FEET				1,016	20,711	46	22,314	22,314	89,421	59,237	286	0	0	0

By:  Date: APRIL 9, 1992

Revision of report dated March 18, 1982

WATERMASTER NOTES *** KERN RIVER BULLETIN

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

Date: March 1, 1982

SNOW SURVEY DATA FOR KERN RIVER BASIN

SNOW COURSE	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	250	11,350	22.4	1-28 2-26	14.9 36.1	25% 28%	3.7 9.9	17% 44%	DWR DWR
Cottonwood Pass	251	11,050	14.1	1-29 2-22	13.7 37.8	28% 28%	3.9 10.0	28% 71%	DWR DWR
Siberian Pass	252	10,900	18.8	1-29 2-23	14.9 31.8	28% 31%	4.1 10.0	22% 63%	DWR DWR
Crabtree Meadow	253	10,700	19.3	1-28 2-27	16.9 34.3	25% 27%	4.3 9.3	22% 48%	DWR DWR
Guyot Flat	254	10,650	20.4	1-28 2-27	15.0 34.5	24% 30%	3.8 10.5	18% 51%	DWR DWR
Tyndall Creek	255	10,650	18.8	1-28 2-25	13.8 32.9	21% 29%	2.9 9.4	15% 50%	DWR DWR
Sandy Meadow	275	10,650	18.7	1-28 2-28	15.4 33.8	28% 28%	4.3 9.6	23% 51%	DWR DWR
Big Whitney Mea.	257	9,750	17.0	1-30 2-23	12.9 33.0	24% 26%	3.1 8.7	18% 51%	DWR DWR
Rock Creek	258	9,600	17.6	1-28 2-27	18.5 35.0	24% 28%	4.5 9.2	28% 52%	DWR DWR
Round Meadow	258	9,000	26.5	1-29 2-28	20.8 48.5	29% 33%	6.1 16.0	23% 80%	CMFRD CMFRD
Ramshaw Meadow	259	8,700	12.3	1-30 2-29	11.1 23.0	21% 27%	2.3 6.1	19% 50%	DWR DWR
L. Whitney Mea.	260	8,500	14.6	1-31 2-29	12.3 25.9	25% 29%	3.1 7.6	21% 52%	DWR DWR
Casa Vieja Mea.	262	8,400	20.7	1-30 2-27	16.6 35.7	22% 29%	3.7 10.2	18% 49%	CMFRD CMFRD
Quinn Ranger Sta.	264	8,350	20.9	2-25	37.8	30%	11.3	54%	SKNP
Bonita Meadows	261	8,300	15.0	1-29 2-28	13.9 31.5	27% 34%	3.7 10.8	25% 72%	CMFRD CMFRD
Beach Meadows	285	7,650	9.9	1-28 2-28	9.8 22.0	20% 29%	2.0 6.3	20% 64%	CMFRD CMFRD

Basin Average on February 1
 Basin Average on March 1

21%
 55%

CALIFORNIA COOPERATIVE SNOW SURVEYS FORECAST as of MARCH 1, 1982 for KERN RIVER INFLOW TO ISABELLA RESERVOIR...
 April-July = 230,000 acre-feet (50% of Average) *** Water Year = 360,000 acre-feet (50% of Average)
 80 Percent Probability Range (Actual runoff should fall within the stated limits eight times out of ten)...
 April-July = 160,000 ac.ft. to 450,000 ac.ft. *** Water Year = 280,000 ac.ft. to 640,000 ac.ft.

Quantities in S.F.D. except where noted

MARCH 1992

REPORT OF THE KERN RIVER WATERMASTER

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	CHANGE IN STORAGE-LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL IRRIGATION	STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	FRONT-KERN INFLOW	DAY							
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-FEET				+1ST POINT	-FLOW ABOVE 1ST POINT														
Previous Day	2544.01	89,421	45,083	394	1	452	29,986	452	45,083	29,986	5	0	0	1							
1	2544.02	89,480	45,103	367	1	416	29,911	441	45,129	29,911	7	0	0	2							
2	2544.03	89,499	45,122	453	1	483	29,886	459	45,114	29,886	6	12	0	3							
3	2544.02	89,480	45,103	470	0	468	29,981	472	45,089	29,981	4	7	0	4							
4	2544.03	89,499	45,122	413	1	454	29,907	461	45,125	29,907	5	0	0	5							
5	2544.04	89,538	45,142	422	0	462	29,928	463	45,146	29,928	5	0	0	6							
6	2544.04	89,538	45,142	458	1	473	29,918	463	45,136	29,918	4	0	0	7							
7	2544.03	89,499	45,122	449	0	455	29,896	443	45,104	29,896	7	0	0	8							
8	2544.00	89,383	45,064	443	1	401	29,858	431	45,076	29,858	4	0	0	9							
9	2544.00	89,383	45,064	420	0	437	29,832	411	45,050	29,832	4	0	0	10							
10	2544.00	89,383	45,064	377	1	398	29,841	405	45,059	29,841	5	0	0	11							
11	2543.97	89,287	45,005	419	0	383	29,806	406	45,023	29,806	6	0	0	12							
12	2543.97	89,287	45,005	415	1	437	29,781	413	44,999	29,781	5	0	0	13							
13	2543.96	89,228	44,966	410	0	418	29,762	418	44,980	29,762	7	6	0	14							
14	2543.96	89,189	44,966	398	1	399	29,756	415	44,976	29,756	5	28	0	15							
15	2543.95	89,189	44,966	396	0	428	29,729	399	44,947	29,729	8	27	0	16							
16	2543.93	89,112	44,927	389	1	399	29,716	395	44,934	29,716	5	29	0	17							
17	2543.91	89,034	44,888	406	1	387	29,694	394	44,902	29,694	5	22	0	18							
18	2543.91	89,034	44,888	408	1	427	29,681	404	44,879	29,681	5	0	0	19							
19	2543.90	89,995	44,868	396	1	398	29,647	404	44,865	29,647	8	0	0	20							
20	2543.89	89,957	44,849	395	1	393	29,638	398	44,855	29,638	5	5	0	21							
21	2543.89	89,957	44,849	390	1	409	29,644	415	44,862	29,644	5	10	0	22							
22	2543.90	89,995	44,868	404	1	447	29,678	462	44,896	29,678	6	28	0	23							
23	2543.95	89,189	44,966	413	1	529	29,722	475	44,940	29,722	4	25	0	24							
24	2543.97	89,287	45,005	390	1	450	29,770	459	44,988	29,770	8	23	0	25							
25	2543.96	89,228	44,966	397	1	397	29,771	417	44,989	29,771	5	31	0	26							
26	2543.94	89,160	44,946	426	1	405	29,735	409	44,953	29,735	5	45	0	27							
27	2543.93	89,112	44,927	422	2	428	29,701	411	44,919	29,701	5	51	0	28							
28	2543.91	89,034	44,888	416	1	420	29,680	420	44,908	29,680	6	47	0	29							
29	2543.90	89,995	44,868	426	1	433	29,657	430	44,875	29,657	7	42	0	30							
30	2543.90	89,995	44,868	429	1	455	29,650	448	44,868	29,650	6	41	0	31							
31	2543.91	89,034	44,888	442	1	474	29,670	474	44,888	29,670	3	49	0	0							
TOTAL SECOND FOOT DAYS													653	12,832	25,451	49	13,315	26,410	169	528	0
TOTAL ACRE-FEET													1,295	25,451	49	26,410	89,034	58,850	385	1,043	0

By: *[Signature]* Date: APRIL 10, 1992

REPORT OF THE KERN RIVER WATERMASTER

MARCH 1992

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH DAY(S)

March 1

PAGE NO.

2

TITLE OF COLUMN

BWMSD FLOW - FOR CITY

COMMENT

Delivered pursuant to BUENA VISTA WATER STORAGE DISTRICT/
City of Bakerfield 2800 Acre Well Exchange Program for 1992.

SNOW SURVEY DATA FOR KERN RIVER BASIN

Date: April 1, 1992

SNOW COURSE	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	250	11,350	22.4	1-28	14.9	25%	3.7	17%	DWR
				2-25	36.1		9.9	44%	DWR
				4-01	48.3		12.7	57%	DWR
Coltonwood Pass	251	11,050	14.1	1-29	13.7	26%	3.9	26%	DWR
				2-22	37.8		10.0	71%	DWR
				3-27	43.1		13.2	94%	DWR
Siberian Pass	252	10,900	18.8	1-29	14.9	28%	4.1	22%	DWR
				2-23	31.8		10.0	53%	DWR
				3-27	40.4		11.7	62%	DWR
Crabtree Meadow	253	10,700	19.3	1-28	18.9	29%	4.3	22%	DWR
				2-27	34.3		9.3	48%	DWR
				3-29	35.2		11.0	57%	DWR
Guyot Flat	254	10,650	20.4	1-28	15.0	24%	3.8	18%	DWR
				2-27	34.5		10.5	51%	DWR
				3-28	37.1		10.7	52%	DWR
Tyndall Creek	255	10,650	18.8	1-28	13.8	21%	2.9	15%	DWR
				2-25	32.9		9.4	50%	DWR
				4-01	49.7		12.0	64%	DWR
Sandy Meadow	275	10,650	18.7	1-28	15.4	28%	4.3	23%	DWR
				2-26	33.8		9.8	51%	DWR
				4-01	50.3		12.2	65%	DWR
Big Whitney Meadow	257	9,750	17.0	1-30	12.9	24%	3.1	18%	DWR
				2-23	33.0		8.7	61%	DWR
				3-28	33.2		9.1	54%	DWR
Rock Creek	256	9,600	17.6	1-28	18.5	24%	4.5	28%	DWR
				2-27	36.0		8.2	52%	DWR
				3-28	48.5		9.9	58%	DWR
Round Meadow	258	9,000	26.5	1-29	20.8	29%	6.1	23%	DWR
				2-26	48.5		16.0	60%	CMRD
				3-30	54.0		21.0	79%	CMRD
Farnshaw Meadow	259	8,700	12.3	1-30	11.1	21%	2.3	18%	DWR
				2-29	23.0		6.1	50%	DWR
				3-25	26.2		7.7	63%	DWR
Little Whitney Meadow	260	8,500	14.8	1-31	12.3	25%	3.1	21%	DWR
				2-29	25.9		7.6	52%	DWR
				3-24	25.6		8.0	55%	DWR
Casa Vieja Meadow	262	8,400	20.7	1-30	16.6	22%	3.7	18%	CMRD
				2-27	35.7		10.2	49%	CMRD
				4-02	35.6		11.3	52%	CMRD
Quinn Ranger Station	264	8,350	20.9	2-25	37.8	30%	11.3	54%	SKNIP
				3-28	38.0		12.8	61%	SKNIP
Bonita Meadows	261	8,300	15.0	1-29	13.9	27%	3.7	25%	CMRD
				2-26	31.5		10.8	73%	CMRD
				3-30	28.0		2.0	20%	CMRD
Beach Meadows	265	7,850	9.9	1-29	9.8	28%	6.3	64%	CMRD
				2-26	22.0		4.0	40%	CMRD
				3-30	12.0		4.0	21%	CMRD

Basin Average on February 1
Basin Average on March 1
Basin Average on April 1

CALIFORNIA COOPERATIVE SNOW SURVEYS FORECAST as of APRIL 1, 1992 for KERN RIVER INFLOW TO ISABELLA RESERVOIR...
April-July = 210,000 acre-feet (46% of Average) *** Water Year = 325,000 acre-feet (45% of Average)
80 Percent Probability Range (Actual runoff should fall within the stated limits eight times out of ten)...
April-July = 160,000 ac.ft. to 300,000 ac.ft. *** Water Year = 265,000 ac.ft. to 420,000 ac.ft.

REPORT OF THE KERN RIVER WATERMASTER

APRIL 1992

Quantities in S.F.D. except where noted

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DAY	ELEVATION (FEET)	ISABELLA RESERVOIR STORAGE		FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	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	2ND POINT GROUP FLOW AT 2ND PT.	FRONT-INFLOW
		MIDNIGHT ACRE-FEET	S.F.D. LOSS			+1ST POINT	-1ST POINT						
Previous Day	2543.91	89,034	44,888	442	1	474	474	474	44,888	29,870	3	49	0
1	2543.98	89,228	44,888	419	2	536	419	534	44,884	29,798	4	48	0
2	2543.99	89,344	45,044	438	2	529	438	538	45,051	29,833	6	46	0
3	2544.04	89,538	45,142	420	2	550	420	545	45,144	29,928	8	45	0
4	2544.08	89,883	45,220	438	1	555	438	574	45,241	30,023	10	46	0
5	2544.15	89,988	45,358	445	2	618	445	604	45,387	30,149	8	42	0
6	2544.24	90,317	45,535	433	2	642	433	642	45,544	30,328	8	39	0
7	2544.34	90,708	45,732	437	2	688	437	688	45,761	30,543	8	36	0
8	2544.48	91,258	46,009	444	2	765	444	745	46,028	30,810	8	32	0
9	2544.65	91,829	46,348	440	2	813	440	821	46,375	31,157	8	24	0
10	2544.98	92,782	46,788	448	1	886	448	867	46,788	31,548	7	27	0
11	2545.08	93,581	47,170	454	2	893	454	890	47,185	31,947	8	33	0
12	2545.28	94,384	47,576	437	1	880	437	883	47,573	32,355	9	27	0
13	2545.48	95,173	47,983	438	2	877	438	882	47,988	32,788	7	8	0
14	2545.68	95,986	48,393	448	2	888	448	894	48,402	33,184	7	0	0
15	2545.87	96,845	48,828	443	3	916	443	908	48,828	33,610	9	17	0
16	2546.08	97,709	49,282	445	2	922	445	908	49,251	34,033	9	12	0
17	2546.28	98,537	49,679	439	2	890	439	972	49,750	34,532	7	24	0
18	2546.58	99,789	50,310	441	1	1,105	441	1,084	50,340	35,122	7	37	0
19	2546.82	101,221	51,032	434	2	1,197	434	1,149	51,014	35,798	9	29	0
20	2547.23	102,539	51,697	431	1	1,144	431	1,158	51,683	36,475	10	15	0
21	2547.53	103,824	52,345	430	3	1,132	430	1,151	52,360	37,142	11	4	0
22	2547.85	105,209	53,043	430	2	1,178	430	1,108	52,989	37,771	10	0	0
23	2548.10	106,300	53,593	427	3	1,017	427	1,049	53,571	38,353	8	0	0
24	2548.32	107,288	54,080	427	1	951	427	980	54,087	38,879	7	0	0
25	2548.56	108,327	54,615	425	2	1,001	425	1,024	54,655	39,437	8	0	0
26	2548.85	109,618	55,288	421	2	1,110	421	1,108	55,283	40,075	9	0	0
27	2549.17	111,058	55,991	419	1	1,188	419	1,213	56,033	40,815	11	0	0
28	2549.55	112,779	56,859	408	2	1,323	408	1,297	56,875	41,657	9	0	0
29	2549.94	114,588	57,761	409	2	1,371	409	1,355	57,761	42,543	11	0	0
30	2550.33	116,374	58,672	438	3	1,383	438	1,383	58,672	43,454	8	0	0
TOTAL	SECOND FOOT DAYS			12,988	57	27,955		27,955	58,672	43,454	251	581	0
TOTAL	ACRE-FEET			25,777	113	55,448		55,448	116,374	86,190	498	1,172	0

By: *gal* Date: *May 11, 1992*

REPORT OF THE KERN RIVER WATERMASTER

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Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT										BUENA VISTA WATER STORAGE DISTRICT										HACIENDA WATER DISTRICT																			
FLOW ABOVE FIRST POINT					KERN VALLEY GOLF COURSE					FLOW ABOVE FIRST POINT					HACIENDA WATER STORAGE DISTRICT					FLOW ABOVE FIRST POINT					HACIENDA WATER DISTRICT														
ENT'L AT 1ST POINT	FLOW AT 1ST POINT	LAKE MING	LAKE HACIENDA	ENT'L AT 2ND POINT	RESERVOIR STORAGE	RESERVOIR LOSS	ENT'L AT 2ND POINT	FLOW VIA KWD	AT 2ND POINT	CARMEL WATER	HACIENDA INC.	OLCSE W/ 2800 ACRE	WELL EXCH.	RESERVOIR STORAGE	RESERVOIR LOSS	ENT'L Contributed by NKMWD	W/WD	OLCSE W/WD	W/WD	ENT'L Contributed by NKMWD	W/WD	OLCSE W/WD	W/WD	RESERVOIR STORAGE	RESERVOIR LOSS	ENT'L Contributed by NKMWD	W/WD	OLCSE W/WD	W/WD	RESERVOIR STORAGE	RESERVOIR LOSS	ENT'L Contributed by NKMWD	W/WD	OLCSE W/WD	W/WD				
DAY	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT		
Previous Day	419	393	1	0	9	25,381	55	0	49	0	0	0	0	2	4,289	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1	400	371	1	0	14	25,455	74	2	46	1	46	0	0	3	4,311	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	462	395	1	0	27	25,503	76	3	48	0	48	0	0	6	4,380	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	467	372	1	0	25	25,572	78	3	45	1	46	0	0	5	4,354	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	487	395	1	0	31	25,639	87	4	46	0	46	0	0	7	4,384	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	507	395	1	0	28	25,724	97	6	42	1	43	0	0	5	4,425	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	533	394	1	0	25	25,846	109	10	39	0	39	0	0	5	4,480	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	595	392	1	0	26	25,982	123	9	32	1	33	0	0	6	4,551	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	603	403	1	0	26	26,104	142	9	32	0	32	0	0	6	4,646	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	655	402	1	0	26	26,380	166	14	24	1	25	0	0	6	4,787	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	687	398	1	0	24	26,656	180	23	27	0	27	0	0	5	4,892	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	702	414	1	0	29	26,914	188	7	33	1	34	0	0	6	5,033	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	698	398	1	0	30	27,163	185	12	27	0	27	0	0	7	5,172	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	697	416	1	0	25	27,438	185	12	8	1	9	0	0	6	5,300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	705	433	1	0	25	27,683	189	13	0	0	0	0	0	5	5,501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	715	421	1	0	30	27,945	194	6	17	1	18	0	0	7	5,665	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	716	428	1	0	32	28,198	194	6	12	0	12	0	0	7	5,835	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	768	408	1	0	28	28,521	214	7	24	1	25	0	0	6	6,011	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	821	398	1	0	28	28,919	243	8	37	0	37	0	0	6	6,203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	878	405	1	0	31	29,361	270	0	29	1	30	0	0	8	6,435	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	895	416	1	0	38	29,791	273	0	15	0	15	0	0	9	6,684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	890	428	1	0	41	30,202	271	0	4	1	5	0	0	10	6,940	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	852	425	1	0	38	30,589	267	5	0	0	0	0	0	10	7,182	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	811	423	1	0	29	30,946	238	4	0	1	1	0	0	6	7,407	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	770	423	1	0	29	31,283	220	4	0	0	0	0	0	7	7,618	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	794	424	1	0	31	31,601	230	1	0	1	1	0	0	8	7,838	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	850	420	1	0	36	31,994	256	1	0	1	1	0	0	9	8,081	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	923	415	1	0	42	32,459	290	4	0	0	0	0	0	11	8,366	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	960	401	1	0	36	33,002	317	7	0	1	1	0	0	10	8,655	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1,019	408	1	0	45	33,508	338	1	0	0	0	0	0	13	8,977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1,045	435	1	0	34	34,140	348	1	0	1	1	0	0	9	9,314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
S.F.D.	21,925	12,223	30	0	11	902	34,140	6,030	182	581	16	0	0	216	9,314	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AC.FT.	43,488	24,244	60	0	22	1,790	67,716	11,980	361	1,172	31	0	0	428	18,474	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS																			
1,707,085										363,715										863,715																			
TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS																			
0										0										0																			

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	BIBERIAN PASS	CRABTREE MEADOW	GUYOT FLAT	SANDY MEADOWS	TYNDALL CREEK	BIG WHITNEY MEADOW	ROCK CREEK	ROUND MEADOW	RAMSHAW MEADOWS	LITTLE WHITNEY MEADOW	CASA VIA 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	17.8	12.0	12.8	12.7	11.6	9.8	28.7	9.4	10.8	15.0	20.1	15.0	10.5	13.1	45%
1950	21.0	10.9	18.5	17.8	18.8	18.3	16.8	16.1	16.9	30.2	10.5	12.1	18.7	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	1.6	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	50.9	30.9	33.2	44.9	48.1	32.5	25.2	37.1	240%
1953	16.8	9.4	14.1	12.7	14.2	12.3	12.9	12.3	12.1	18.4	6.3	9.2	11.7	17.4	8.2	5.3	12.1	71%
1954	22.0	11.8	18.0	16.8	18.0	16.8	18.7	15.7	18.3	29.2	12.2	17.0	23.5	21.3	15.4	10.1	17.8	79%
1955	14.7	8.1	11.6	13.4	15.3	13.1	13.4	10.7	12.3	14.9	7.0	6.0	11.3	13.3	6.5	3.3	11.1	48%
1956	33.3	12.6	26.7	26.7	27.9	25.1	24.3	21.7	23.0	22.3	9.0	13.5	15.1	12.8	8.9	0.0	18.9	113%
1957	14.3	11.7	14.1	11.8	12.6	10.5	11.2	11.5	10.0	14.7	6.8	7.1	10.9	14.4	6.3	0.0	10.5	63%
1958	25.9	20.5	25.0	23.5	25.3	24.5	24.0	22.7	23.7	30.2	17.0	21.2	30.9	—	26.6	21.6	24.8	178%
1959	10.3	5.7	9.7	9.0	9.7	7.3	9.2	8.4	8.7	6.0	5.6	6.8	8.4	5.7	1.8	0.0	7.0	28%
1960	11.8	4.7	9.4	9.4	10.9	7.9	9.5	9.4	6.5	20.2	2.0	2.5	9.1	11.9	8.9	2.7	8.4	36%
1961	6.0	3.8	6.0	7.1	7.8	4.5	4.3	6.3	4.8	12.8	0.0	0.0	6.0	1.6	2.1	0.0	4.6	19%
1962	37.4	27.0	31.8	33.7	35.5	32.6	31.4	30.7	30.6	40.5	—	—	32.1	35.3	27.6	21.3	32.0	110%
1963	19.7	17.5	18.1	17.1	18.4	17.1	17.2	17.0	13.5	12.6	—	—	11.0	5.6	5.7	1.0	13.5	102%
1964	5.1	1.5	3.9	6.1	6.1	5.4	4.8	4.3	5.8	15.1	—	—	8.1	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	8.6	11.4	17.0	18.5	10.3	7.0	16.0	96%
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	14.2	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	27.8	—	14.5	3.0	25.5	198%
1968	14.1	8.9	12.6	12.3	14.0	11.8	11.6	12.6	11.1	17.5	7.6	6.2	12.9	9.7	8.6	4.1	11.0	53%
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	59.8	50.2	36.8	48.5	374%
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	68%
1971	15.7	5.7	12.6	11.7	13.2	11.8	13.1	10.8	11.1	21.2	3.3	5.5	14.0	16.9	9.4	3.4	11.2	52%
1972	7.6	2.5	6.6	6.3	7.6	5.2	3.4	4.1	4.1	4.8	0.0	0.0	3.4	2.2	0.0	0.0	3.7	27%
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	28.1	23.3	30.8	155%
1974	25.4	13.2	20.8	20.5	22.6	19.0	20.4	19.1	18.1	29.8	14.3	14.8	21.2	22.0	18.5	10.3	16.5	115%
1975	18.9	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	10.3	10.3	16.5	83%
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	23%
1977	5.0	3.5	4.7	4.7	4.8	3.2	3.5	4.9	3.1	10.8	2.1	2.6	—	2.0	3.6	0.0	3.7	20%
1978	43.1	40.1	40.1	39.7	41.7	40.1	40.6	37.3	39.6	48.8	31.9	37.6	41.1	43.7	32.2	23.6	36.7	234%
1979	19.9	13.2	17.5	17.5	19.9	17.7	18.8	14.7	14.2	25.3	12.2	14.2	30.0	36.7	18.7	16.2	16.9	90%
1980	40.9	29.4	34.4	34.3	35.1	34.5	35.7	29.5	33.5	25.0	21.6	27.4	14.6	15.7	12.3	7.5	13.0	212%
1981	15.3	11.8	13.0	14.0	14.8	14.1	15.8	10.9	12.8	17.4	8.6	9.6	14.6	15.7	12.3	11.6	13.0	54%
1982	48.9	34.4	45.0	45.3	49.2	46.9	43.7	38.6	44.7	63.4	31.0	19.0	29.2	—	23.0	11.6	23.0	171%
1983	48.9	34.4	45.0	45.3	49.2	46.9	43.7	38.6	44.7	63.4	31.0	19.0	29.2	—	23.0	11.6	23.0	171%
1984	21.8	9.7	15.4	20.1	17.6	18.1	17.0	12.9	13.8	15.7	2.1	2.6	11.9	9.4	2.1	0.0	11.9	91%
1985	18.6	17.2	20.5	20.6	20.6	16.3	15.5	19.0	18.9	26.2	14.6	15.0	25.5	18.1	17.7	10.8	18.3	91%
1986	45.1	39.3	39.3	39.3	39.6	37.3	35.1	34.8	36.5	44.2	22.8	25.4	35.0	29.8	21.3	11.6	32.6	190%
1987	11.3	7.6	8.9	9.3	11.5	9.2	11.0	7.8	8.1	15.8	6.3	8.3	9.8	17.3	9.0	1.3	9.5	45%
1988	9.8	5.3	7.8	8.9	8.8	8.9	9.0	4.0	6.3	7.2	0.0	0.0	2.7	2.9	0.4	0.0	5.1	35%
1989	15.3	10.2	13.0	12.3	15.7	13.3	11.0	14.4	14.1	7.3	7.3	11.5	17.2	12.4	14.6	5.2	13.1	50%
1990	7.6	1.9	6.1	6.6	7.2	4.9	7.9	6.2	4.0	9.9	0.9	2.2	—	4.9	1.8	0.0	4.8	24%
1991	19.7	14.1	17.5	14.1	18.9	17.1	17.2	15.1	17.0	24.7	11.6	14.6	14.0	21.0	15.0	7.0	18.2	59%
1992	12.7	13.2	11.7	11.0	10.7	12.2	12.0	9.1	9.9	21.0	7.7	6.0	10.8	12.8	11.0	4.0	11.1	—
MAXIMUM	56.3	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	48.5	—
MINIMUM	5.0	1.5	3.9	3.3	4.6	3.2	3.4	4.0	3.1	4.3	0.0	0.0	0.0	1.6	0.0	0.0	3.7	—
AVERAGE	21.6	13.9	18.1	18.3	19.7	18.1	18.2	16.4	17.0	24.3	10.7	12.9	19.1	18.3	13.5	8.2	16.7	—

Quantities in S.F.D. except where noted

MAY 1992

REPORT OF THE KERN RIVER WATERMASTER

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	CHANGE IN STORAGE-LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE RECREATION POOL + DEAD STORAGE - 15,218 S.F.D. (30,184 ACFT) TOTAL	COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	FRONT-KERN INFLOW	DAY
		ACRE-FEET	S.F.D.				+1ST POINT	-1ST POINT						
Previous Day	2550.33	118,374	58,672	43	436	3	1,383	1,383	1,383	58,672	0	0	0	1
1	2550.69	118,080	59,622	43	496	4	1,383	1,384	1,384	59,493	0	0	0	2
2	2551.00	119,626	60,281	60	515	3	1,307	1,307	1,300	60,226	0	0	0	3
3	2551.29	120,905	60,856	53	460	3	1,201	1,255	1,255	60,974	0	0	0	4
4	2551.61	122,442	61,731	44	435	3	1,257	1,225	1,225	61,717	0	0	0	5
5	2551.91	123,895	62,464	32	460	3	1,218	1,243	1,243	62,475	0	0	0	6
6	2552.23	125,457	63,251	11	452	4	1,254	1,297	1,297	63,305	2	0	0	7
7	2552.59	127,229	64,145	44	477	3	1,418	1,345	1,345	64,128	7	0	0	8
8	2552.92	128,870	64,972	63	470	2	1,362	1,419	1,419	65,010	10	0	0	9
9	2553.30	130,776	65,832	59	456	3	1,476	1,444	1,444	65,838	10	0	0	10
10	2553.68	132,701	66,903	61	458	3	1,493	1,484	1,484	66,898	10	0	0	11
11	2554.05	134,562	67,957	56	470	2	1,482	1,503	1,503	67,873	9	0	0	12
12	2554.42	136,503	68,920	41	527	4	1,635	1,644	1,644	68,845	6	0	0	13
13	2554.79	138,430	69,792	57	581	4	1,614	1,594	1,594	69,787	9	0	0	14
14	2555.17	140,430	70,800	67	536	3	1,604	1,671	1,671	70,782	9	0	0	15
15	2555.53	142,340	71,763	55	474	3	1,495	1,498	1,498	71,728	8	0	0	16
16	2555.88	144,108	72,654	58	443	3	1,395	1,423	1,423	72,647	8	0	0	17
17	2556.18	145,835	73,525	56	447	4	1,378	1,333	1,333	73,473	8	0	0	18
18	2556.43	147,183	74,210	68	472	3	1,228	1,234	1,234	74,166	9	0	0	19
19	2556.61	148,176	74,705	58	543	4	1,098	1,150	1,150	74,713	8	0	0	20
20	2556.77	149,054	75,148	53	628	3	1,127	1,079	1,079	75,108	7	0	0	21
21	2556.90	149,770	75,609	50	597	4	1,012	1,022	1,022	75,479	7	0	0	22
22	2556.99	150,287	75,780	61	611	4	927	934	934	76,737	8	0	0	23
23	2557.06	150,598	75,927	72	619	4	862	872	872	76,914	10	0	0	24
24	2557.10	150,875	76,088	78	607	3	827	845	845	76,071	11	0	0	25
25	2557.14	151,097	76,178	77	651	4	844	871	871	76,210	11	0	0	26
26	2557.22	151,541	76,402	70	644	3	941	902	902	76,365	10	0	0	27
27	2557.31	152,041	76,654	66	599	3	920	942	942	76,969	9	0	0	28
28	2557.41	152,589	76,935	71	610	4	906	945	945	76,929	10	0	0	29
29	2557.49	153,048	77,161	64	665	5	950	957	957	77,162	7	0	0	30
30	2557.54	153,325	77,301	53	757	4	954	963	963	77,301	7	0	0	31
31	2557.58	153,549	77,414	77	774	5	989	989	989	77,414	10	0	0	
TOTAL SECOND FOOT DAYS				1,744	16,914	107	37,507	37,507	37,507	77,414	260	0	0	
TOTAL ACRE-FEET				3,458	33,548	212	74,384	74,384	74,384	153,549	516	0	0	

By:  Date: JUNE 11, 1992

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
May	31	2	BWSD - RESERVOIR STORAGE NKWSD - RESERVOIR STORAGE	Reflects transfer of 401 acre-feet (202 s.f.d.) from BUENA VISTA WATER STORAGE DISTRICT to NORTH KERN WATER STORAGE DISTRICT (City of Bakerfield) as per terms of BWSD/ City of Bakerfield Exchange Agreement dated April 24, 1992.

KERN RIVER GROUP
JUNE 11, 1992

KERN RIVER GROUP
1992 KERN RIVER - ISABELLA RESERVOIR PROJECTED OPERATIONAL ROUTING

Quantities in 1000 acre-feet
except where noted...

STATE FORECAST AS OF JUNE 2, 1992 - 190,000 ACFT APRIL-JULY RUNOFF (89% OF NORMAL)

	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	TOTAL
KERN RIVER COMPUTED NATURAL FLOW	14.1	22.3	28.4	55.4	74.4	35.2	15.0	12.0	8.0	10.0	10.0	15.0	287.8
ISABELLA RESERVOIR LOSS	1.1	1.0	1.3	2.2	3.5	4.8	5.0	3.6	2.6	1.8	1.0	0.5	27.8
KERN RIVER REGULATED FLOW	13.7	20.8	25.5	25.8	33.8	50.0	55.0	20.0	15.0	10.0	10.0	15.0	294.6
KERN RIVER REGULATED FLOW (mean cfs)	223	362	415	434	550	840	894	325	262	163	168	244	
ISABELLA RESERVOIR STORAGE (End of Month)	88.9	89.4	89.0	116.4	153.5	134.1	89.1	77.8	68.1	66.5	65.5	65.0	

REPORT OF THE KERN RIVER WATERMASTER

JUNE 1992

Quantities in S.F.D. except where noted

PAGE 1 of 5

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	CHANGE IN STORAGE		COMPUTED NATURAL FLOW	MEAN TOTAL IRRIGATION	STORAGE Recreation Pool + Dead Storage - 15,218 S.F.D. (30,184 ACFT)	KERN COUNTY RECREATION POOL LOSS AT 2ND PT.	2ND POINT GROUP FLOW AT 2ND PT.	FRONT-KERN INFLOW	DAY
		MIDNIGHT ACRE-FOOT	LOSS S.F.D.			+1ST POINT FLOW ABOVE 1ST POINT	-LOSS							
Previous Day	2557.58	153,549	77,414	774	5	989	62,188	989	77,414	0	10	0	0	
1	2557.61	153,717	77,489	815	1	983	62,275	987	77,483	0	12	0	0	1
2	2557.63	153,830	77,556	835	2	974	62,329	971	77,547	0	11	0	0	2
3	2557.64	153,886	77,584	838	1	947	62,362	962	77,580	0	11	0	0	3
4	2557.64	153,886	77,584	825	2	935	62,369	942	77,587	0	14	0	0	4
5	2557.65	153,942	77,612	820	2	945	62,360	908	77,578	0	13	0	0	5
6	2557.64	153,886	77,584	817	3	844	62,389	881	77,587	0	7	0	0	6
7	2557.62	153,773	77,527	851	2	855	62,305	840	77,523	0	6	0	0	7
8	2557.62	153,773	77,527	773	2	845	62,280	820	77,498	0	9	0	0	8
9	2557.60	153,661	77,471	743	2	759	62,223	758	77,441	0	9	0	0	9
10	2557.54	153,325	77,301	758	3	671	62,058	678	77,278	0	11	0	0	10
11	2557.46	152,878	77,076	745	2	597	61,830	594	77,048	0	10	0	0	11
12	2557.37	152,375	76,822	704	2	513	61,615	582	76,833	0	8	0	0	12
13	2557.31	152,041	76,654	652	2	545	61,423	521	76,641	0	8	0	0	13
14	2557.27	151,818	76,542	595	3	505	61,304	488	76,522	0	7	0	0	14
15	2557.23	151,597	76,430	511	3	444	61,210	462	76,428	0	6	0	0	15
16	2557.15	151,319	76,290	510	2	438	61,077	443	76,295	0	9	0	0	16
17	2557.14	151,097	76,176	498	2	450	60,924	409	76,142	0	9	0	0	17
18	2557.05	150,853	76,954	489	7	343	60,731	374	76,949	0	10	0	0	18
19	2556.95	150,046	76,846	576	5	330	60,458	363	76,878	0	8	0	0	19
20	2556.86	149,549	76,398	598	7	415	60,163	370	76,381	0	10	0	0	20
21	2556.76	148,989	76,120	554	6	364	59,900	379	76,118	0	11	0	0	21
22	2556.65	148,398	74,916	578	6	359	59,599	362	74,817	0	11	0	0	22
23	2556.58	147,903	74,588	553	6	362	59,344	355	74,562	0	7	0	0	23
24	2556.48	147,357	74,293	535	6	344	59,079	354	74,287	0	11	0	0	24
25	2556.35	146,757	73,990	575	7	357	58,782	343	73,980	0	11	0	0	25
26	2556.24	146,181	73,690	553	7	328	58,482	328	73,680	0	10	25	0	26
27	2556.14	145,618	73,416	520	6	298	58,191	301	73,409	0	7	59	0	27
28	2556.02	144,989	73,089	528	5	277	57,873	286	73,081	0	10	58	0	28
29	2555.88	144,215	72,708	588	7	283	57,490	281	72,708	0	10	53	0	29
30	2555.78	143,570	72,383	598	7	313	57,165	313	72,383	0	9	58	0	30
TOTAL SECOND FOOT DAYS				2,083	118	18,631		16,631	72,363		287	253	0	
TOTAL ACRE-FOOT				4,132	234	32,987		32,987	143,570		569	602	0	

By: *Gal* Date: JULY 14, 1992

REPORT OF THE KERN RIVER WATERMASTER

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
June	1	2	BWNSD FLOW - FOR CITY	Delivered as per terms of BUENA VISTA WATER STORAGE DISTRICT/ City of Bakersfield Exchange Agreement dated April 24, 1982.
June	18	2	NKWS D FLOW ABOVE FIRST POINT - OLCESE WD	Delivered as per terms of City of Bakersfield/Olcese Water District Water Supply Agreement dated June 28, 1982.

ISABELLA RESERVOIR
 HISTORICAL QUANTITIES OF MAXIMUM & MINIMUM STORAGE WITH DATE OF OCCURRENCE, CARRYOVER STORAGE & EVAPORATION LOSS
 Acre-Feet

Year	Maximum Annual Storage	Date of Occurrence	Minimum Annual Storage	Date of Occurrence	December Carryover Storage	Annual Evaporation Loss
1964	85,380	June 9	0	April 16, 1964	7,808	10,128
1965	78,567	December 31	4,330	April 21	78,567	7,568
1966	283,033	June 30	79,823	January 1	130,313	33,616
1967	183,979	June 20	101,074	December 14	101,413	27,379
1968	455,162	June 28	100,947	January 23	186,112	40,619
1969	207,874	May 21	71,344	December 19	71,608	28,258
1980	119,253	May 19	29,119	December 31	29,119	16,883
1981	53,086	June 17	17,410	November 19	17,524	10,847
1982	173,875	June 28	17,448	January 11	82,849	23,530
1983	389,980	June 28	82,190	January 28	170,043	37,218
1984	203,628	June 7	84,497	December 18	116,303	28,640
1985	288,937	July 9	117,117	March 23	171,183	32,290
1986	337,369	December 21	81,941	November 27	313,258	31,288
1987	538,688	July 20	189,282	December 14	189,837	42,856
1988	281,183	June 8	119,349	December 7	124,480	31,405
1989	578,116	July 14	124,283	December 7	225,535	45,780
1970	327,771	June 10	156,617	January 12	172,038	40,891
1971	240,968	June 22	120,161	November 24	122,040	33,678
1972	128,754	June 11	50,030	November 25	55,589	22,800
1973	389,448	June 29	55,449	October 16	205,848	43,411
1974	475,881	June 23	201,710	January 7	223,830	53,838
1975	348,695	June 17	188,883	March 1	170,180	48,169
1976	171,617	January 28	67,868	December 17	67,701	30,250
1977	82,347	June 16	34,504	December 29	43,820	19,388
1978	491,451	July 16	44,080	December 16	244,804	55,497
1979	442,035	June 11	208,632	January 1	208,768	51,842
1980	585,381	July 3	208,224	December 30	228,813	67,335
1981	312,456	June 7	186,907	January 7	188,210	47,541
1982	560,083	June 29	188,984	December 27	261,568	54,183
1983	630,825	July 6	260,010	January 9	311,944	55,001
1984	407,745	June 7	244,755	December 15	244,979	52,220
1985	388,621	June 13	189,823	November 23	195,518	49,831
1986	562,134	June 16	185,579	January 1	244,085	61,827
1987	276,288	June 7	142,881	December 1	143,410	42,028
1988	158,189	June 6	72,638	December 9	73,545	27,004
1989	184,801	June 1	71,111	February 18	85,978	33,497
1990	97,420	June 12	45,885	December 18	46,014	22,423
1991	175,558	June 19	45,300	February 27	89,654	28,108
Average					148,679	36,256

Quantities in S.F.D. except where noted

JULY 1982

REPORT OF THE KERIN RIVER WATERMASTER

DAY	ISABELLA		RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	CHANGE IN STORAGE-LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL IRRIGATION	STORAGE Recreation Pool + Dead Storage = 16,218 S.F.D. (30,184 ACFT)	KERIN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND FT.	FRONT-KERIN INFLOW
	ELEVATION (FEET)	MIDNIGHT ACRE-FEET	S.F.D.	LOSS				+1ST POINT 1ST POINT	-1ST POINT 1ST POINT						
Previous Day	2656.76	143,570	72,383	82	569	7	313	313	72,383	57,185	9	58	0	0	
1	2656.81	142,768	71,979	76	634	6	312	312	71,983	56,785	11	71	0	1	
2	2656.47	142,022	71,603	80	634	7	326	326	71,002	56,384	9	68	0	2	
3	2656.31	141,171	71,174	70	675	6	322	322	71,169	55,941	10	52	0	3	
4	2656.14	140,271	70,720	84	641	6	277	277	70,722	55,504	13	57	0	4	
5	2654.99	139,481	70,322	70	604	6	282	282	70,328	55,110	11	63	0	5	
6	2654.84	138,683	69,924	78	611	6	297	297	69,925	54,705	12	67	0	6	
7	2654.69	137,908	69,529	89	611	6	305	305	69,535	54,317	11	67	0	7	
8	2654.53	137,074	69,108	71	649	6	309	309	69,107	53,889	11	81	0	8	
9	2654.39	136,347	68,742	58	601	6	298	298	68,751	53,533	9	66	0	9	
10	2654.27	135,728	68,429	80	551	5	283	283	68,400	53,182	12	59	0	10	
11	2654.12	134,953	68,059	73	544	6	233	233	68,061	52,843	11	61	0	11	
12	2653.99	134,285	67,702	62	594	6	296	296	67,720	52,502	10	53	0	12	
13	2653.88	133,721	67,418	68	558	6	344	344	67,405	52,187	10	53	0	13	
14	2653.78	133,210	67,180	46	508	6	300	300	67,171	51,863	7	50	0	14	
15	2653.65	132,548	66,828	74	581	7	328	328	66,828	51,608	12	52	0	15	
16	2653.50	131,787	66,443	76	628	6	324	324	66,427	51,289	12	54	0	16	
17	2653.32	130,878	66,083	85	642	6	273	273	66,082	50,764	14	56	0	17	
18	2653.13	129,921	65,502	78	698	5	268	268	65,484	50,288	13	65	0	18	
19	2652.91	128,820	64,947	88	685	5	213	213	64,954	49,736	16	49	0	19	
20	2652.67	127,828	64,345	96	732	7	233	233	64,333	49,115	16	56	0	20	
21	2652.42	126,360	63,722	85	728	6	186	186	63,724	48,506	14	102	0	21	
22	2652.13	124,967	63,004	82	831	7	202	202	63,022	47,804	14	140	0	22	
23	2651.87	123,700	62,365	71	818	6	259	259	62,361	47,143	12	102	0	23	
24	2651.65	122,635	61,829	66	708	6	244	244	61,823	46,605	12	158	0	24	
25	2651.45	121,672	61,343	45	690	6	225	225	61,340	46,122	8	165	0	25	
26	2651.26	120,715	60,891	73	617	6	214	214	60,880	45,642	13	154	0	26	
27	2651.01	119,571	60,284	75	705	5	208	208	60,277	45,059	14	169	0	27	
28	2650.74	118,298	59,641	75	747	6	185	185	59,653	44,435	14	158	0	28	
29	2650.48	116,982	58,978	82	798	5	220	220	58,978	43,780	15	188	0	29	
30	2650.14	115,492	58,227	89	875	7	220	220	58,227	43,009	17	244	0	30	
31	2649.82	114,015	57,483	78	878	6	216	216	57,483	42,265	15	262	0	31	
TOTAL SECOND FOOT DAYS				2,290	20,654	186	8,230	8,230	57,483	42,265	378	3,089	0		
TOTAL ACRE-FEET				4,542	40,987	369	16,324	16,324	114,015	83,831	760	6,127	0		

By: *[Signature]* Date: AUGUST 12, 1992

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT										BUENA VISTA WATER STORAGE DISTRICT										HACIENDA WATER DISTRICT									
FLOW ABOVE FIRST POINT										FLOW ABOVE FIRST POINT										FLOW ABOVE FIRST POINT									
KERN VALLEY					HACIENDA INC.					OLCESE WD 2800 ACRE					OLCESE WD					ENTITLEMENT Contributed by:					RESERVOIR				
DAY	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	LAKE MING	OLCESE WD	GOLF COURSE	RESERVOIR STORAGE	ENT'L AT 2ND POINT	CITY	FOR	VIA CWD	VIA KWD	VIA AT 2ND POINT	CARMEL WATER	HACIENDA INC.	OLCESE WD 2800 ACRE	WELL EXCH.	LOSS STORAGE	RESERVOIR STORAGE	CONTRIBUTED BY: NKWSO	CONTRIBUTED BY: BVMSO	CONTRIBUTED BY: HW	OLCESE WD	HACIENDA INC.	RESERVOIR STORAGE	LOSS STORAGE	DAY			
Previous Day	308	453	2	4	1	45	41,188	4	12	17	29	58	0	0	0	0	17	15,988	0	0	0	0	0	0	0	0			
1	311	527	2	3	1	55	40,882	5	12	7	17	71	0	0	0	0	21	15,873	0	0	0	0	0	0	0	1			
2	314	538	2	4	1	43	40,620	6	12	5	13	68	0	0	0	0	17	15,764	0	0	0	0	0	0	0	2			
3	305	566	2	3	1	51	40,302	3	12	32	13	52	0	0	0	0	19	15,639	0	0	0	0	0	0	0	3			
4	294	528	2	4	0	61	40,003	0	12	32	14	57	0	0	0	0	23	15,501	0	0	0	0	0	0	0	4			
5	298	492	2	3	1	51	39,740	0	12	32	11	57	0	0	0	0	19	15,370	0	0	0	0	0	0	0	5			
6	290	488	2	3	1	57	39,479	0	12	30	18	63	0	0	0	0	21	15,228	0	0	0	0	0	0	0	6			
7	298	479	2	3	1	50	39,242	0	12	32	21	67	0	0	0	0	19	15,076	0	0	0	0	0	0	0	7			
8	298	491	2	4	0	52	38,991	0	12	32	33	81	0	0	0	0	19	14,888	0	0	0	0	0	0	0	8			
9	306	454	2	4	0	42	38,785	3	23	30	28	66	0	0	0	0	16	14,738	0	0	0	0	0	0	0	9			
10	285	372	2	3	0	58	38,545	0	21	28	71	59	0	0	0	0	22	14,537	0	0	0	0	0	0	0	10			
11	284	388	2	4	0	53	38,302	0	23	21	71	61	0	0	0	0	20	14,341	0	0	0	0	0	0	0	11			
12	291	407	2	3	1	45	38,335	0	23	16	65	53	0	0	0	0	17	14,167	0	0	0	0	0	0	0	12			
13	308	380	2	3	1	48	38,210	4	23	17	83	53	0	0	0	0	18	13,977	0	0	0	0	0	0	0	13			
14	316	336	2	3	1	34	38,150	8	23	21	78	50	0	0	0	0	12	13,803	0	0	0	0	0	0	0	14			
15	312	421	2	4	1	55	37,979	5	23	7	78	62	0	0	0	0	19	13,629	0	0	0	0	0	0	0	15			
16	305	414	2	3	1	55	37,809	3	22	52	84	54	0	0	0	0	20	13,400	0	0	0	0	0	0	0	16			
17	285	423	2	4	0	63	37,605	0	22	52	80	55	0	0	0	0	22	13,159	0	0	0	0	0	0	0	17			
18	251	473	2	3	0	58	37,320	0	22	51	55	65	0	0	0	0	20	12,948	0	0	0	0	0	0	0	18			
19	238	492	2	3	0	73	36,988	0	22	48	54	49	0	0	0	0	25	12,748	0	0	0	0	0	0	0	19			
20	214	540	2	4	1	71	36,594	0	22	48	68	56	0	0	0	0	25	12,531	0	0	0	0	0	0	0	20			
21	210	493	2	3	1	63	36,232	0	22	53	58	102	0	0	0	0	22	12,274	0	0	0	0	0	0	0	21			
22	218	567	3	4	0	61	35,815	0	23	53	48	140	0	0	0	0	21	11,989	0	0	0	0	0	0	0	22			
23	234	539	2	4	0	53	35,451	0	22	52	43	162	0	0	0	0	18	11,692	0	0	0	0	0	0	0	23			
24	242	443	2	3	1	50	35,194	0	22	49	38	168	0	0	0	0	16	11,411	0	0	0	0	0	0	0	24			
25	228	396	2	4	0	34	34,868	0	22	47	40	185	0	0	0	0	11	11,126	0	0	0	0	0	0	0	25			
26	216	370	3	3	0	55	34,781	0	22	48	25	154	0	0	0	0	18	10,861	0	0	0	0	0	0	0	26			
27	202	443	2	3	0	57	34,478	0	22	47	24	169	0	0	0	0	18	10,581	0	0	0	0	0	0	0	27			
28	204	482	2	4	0	57	34,127	0	21	53	25	166	0	0	0	0	18	10,308	0	0	0	0	0	0	0	28			
29	208	514	2	3	0	63	33,753	0	21	46	27	188	0	0	0	0	19	10,007	0	0	0	0	0	0	0	29			
30	220	532	2	4	1	68	33,366	0	21	48	30	244	0	0	0	0	21	9,643	0	0	0	0	0	0	0	30			
31	216	530	2	3	1	60	32,986	0	21	33	30	262	0	0	0	0	18	9,279	0	0	0	0	0	0	0	31			
S.F.D.	8,183	14,494	64	106	16	1,686	32,986	37	604	1,120	1,347	3,059	0	0	0	0	564	9,279	0	0	0	0	0	0	0	0	S.F.D.		
AC.F.T.	16,251	28,745	127	209	33	3,364	65,426	73	1,196	2,222	2,672	6,127	0	0	0	0	1,178	18,405	0	0	0	0	0	0	0	0	AC.F.T.		
TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS									
2,291,641										806,267										0									

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH DAY(S)

PAGE NO.

TITLE OF COLUMN

COMMENT

July

None

ISABELLA, CALIFORNIA
AVERAGE MONTHLY TEMPERATURES (°F)
1856 to Date

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1882	43.4	49.2	52.4	62.6	71.7	73.3	78.1	77.8	77.2	67.6	53.4	45.2	59.9
1891	42.7	50.8	43.6	51.2	58.7	71.0	82.1	71.8	69.6	62.7	48.4	37.4	58.5
1890	42.5	42.6	50.7	57.9	61.7	71.9	80.1	74.9	68.6	62.7	48.4	37.4	58.5
1889	41.8	43.4	52.7	61.7	63.0	72.1	78.4	74.3	68.4	59.6	51.8	44.2	59.2
1888	42.3	48.5	50.8	55.1	59.8	70.3	80.2	71.9	72.5	68.1	50.3	43.1	59.7
1887	38.9	45.9	47.5	59.0	63.2	73.8	72.8	76.5	69.8	64.4	48.8	38.8	58.2
1886	49.7	49.0	53.5	54.9	63.5	73.7	76.7	76.8	64.1	58.2	51.0	43.0	59.6
1885	43.2	45.7	48.5	59.3	62.8	75.1	79.9	75.3	65.1	59.0	47.0	44.5	58.6
1884	47.0	46.6	51.4	52.6	67.3	70.8	80.9	78.2	74.8	55.7	48.3	41.9	58.6
1883	45.2	47.2	48.5	49.9	61.4	69.2	73.0	76.7	74.0	61.3	50.2	46.1	58.5
1882	41.8	47.8	47.4	52.5	63.6	68.6	75.6	77.1	68.5	59.2	48.6	43.2	57.8
1881	48.3	49.6	47.7	57.0	63.8	78.0	79.1	79.7	73.2	58.9	52.9	47.1	60.9
1880	47.5	49.1	46.5	54.8	57.7	68.8	77.8	75.3	69.2	63.2	52.4	49.0	59.1
1879	40.7	41.7	48.5	60.6	63.2	71.4	75.9	72.6	74.0	61.8	50.0	48.4	59.1
1878	44.3	46.1	53.1	59.9	60.4	71.7	76.7	76.8	67.8	65.3	47.2	39.7	58.3
1877	42.8	48.4	43.8	57.5	55.4	74.0	77.6	77.2	70.0	62.3	51.1	47.3	58.9
1876	44.2	45.7	47.4	50.6	65.7	71.2	77.5	70.5	68.3	60.3	53.8	44.6	58.3
1875	43.1	43.6	45.7	46.7	60.7	71.2	75.9	73.6	72.4	57.8	48.7	45.1	58.9
1874	41.3	44.6	49.4	51.2	62.2	72.5	76.6	76.2	74.2	61.4	50.0	41.0	58.4
1873	40.3	45.7	42.8	53.0	64.9	73.1	78.9	74.8	68.5	58.1	48.9	44.9	57.6
1872	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
1871	43.4	44.8	50.6	52.5	58.3	70.7	79.7	78.7	70.9	56.4	48.8	38.8	57.9
1870	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
1869	44.0	42.4	48.1	54.3	65.9	69.6	78.9	79.4	73.1	57.6	53.3	45.0	58.3
1868	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
1867	44.4	47.9	50.9	45.4	62.8	69.2	80.9	82.1	72.3	63.9	56.4	39.7	58.6
1866	41.9	43.8	52.4	60.7	68.0	73.3	77.8	78.5	72.4	62.2	51.2	44.4	60.6
1865	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
1864	43.3	44.8	47.2	53.6	60.8	70.5	79.4	78.8	70.1	66.8	48.6	47.2	59.2
1863	44.0	52.7	48.6	50.2	63.5	68.2	76.7	76.1	74.3	62.7	51.0	46.1	58.5
1862	44.7	48.4	48.0	61.3	60.9	73.4	79.8	79.0	74.4	63.2	53.0	47.8	61.0
1861	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
1860	41.7	45.8	55.6	57.2	63.8	79.8	83.0	80.0	76.0	61.6	50.9	45.3	61.7
1859	47.6	46.1	56.5	64.1	62.8	77.2	86.4	79.9	70.7	65.4	55.6	47.3	63.3
1858	48.3	49.3	47.6	56.1	68.7	72.2	79.7	82.8	74.9	67.3	62.3	50.8	62.3
1857	40.6	52.5	52.0	55.1	62.8	77.3	81.9	78.4	73.5	59.3	49.8	46.9	61.1
1856	46.6	43.7	52.5	55.6	65.0	74.0	79.8	76.2	74.7	59.1	53.7	48.8	60.6
Normal	43.9	47.1	49.7	56.2	62.9	72.4	76.9	77.3	71.3	61.4	50.7	44.2	59.5
Maximum	49.7	52.7	56.5	64.1	71.7	79.8	86.4	82.8	77.2	67.6	58.4	50.8	63.3
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	58.9

Quantities in S.F.D. except where noted

AUGUST 1992

REPORT OF THE KERN RIVER WATERMASTER

DAY	ELEVATION (FEET)	ISABELLA MIDNIGHT STORAGE		RESERVOIR S.F.D.	LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	CHANGE IN STORAGE-LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE Recreation Pool + Dead Storage - 15,218 S.F.D. (30,184 ACFT) TOTAL	KERN COUNTY RECREATION POOL LOSS AT 2ND PT.	FRONT-KERN INFLOW				
		ACRE-FEET	LOSS					+1ST POINT	-1ST POINT								
Previous Day	2549.82	114,015	57,483	76	876	6	216	216	57,483	42,286	15	282	0				
1	2549.53	112,688	56,814	83	812	6	232	221	56,803	41,585	16	253	0				
2	2549.24	111,373	56,151	94	772	6	199	216	56,166	40,938	17	225	0				
3	2548.95	110,067	55,492	100	708	6	213	216	55,499	40,281	20	223	0				
4	2548.67	108,816	54,861	87	769	7	232	214	54,850	39,632	18	216	0				
5	2548.38	107,442	54,169	88	798	6	188	206	54,188	38,943	18	229	0				
6	2548.08	106,125	53,606	72	774	7	169	183	53,496	38,278	15	236	0				
7	2547.75	104,776	52,825	69	775	7	161	176	52,833	37,615	13	267	0				
8	2547.44	103,438	52,150	74	780	6	185	185	52,158	36,940	16	297	0				
9	2547.14	102,155	51,503	66	783	6	208	186	51,501	36,283	14	329	0				
10	2546.83	100,840	50,840	73	785	6	201	228	50,863	35,645	16	270	0				
11	2546.51	99,915	50,374	82	677	6	289	228	50,356	35,138	12	191	0				
12	2546.44	99,204	50,016	76	491	7	215	224	50,006	34,788	17	0	0				
13	2546.28	98,537	49,679	41	477	7	189	200	49,681	34,463	9	0	0				
14	2546.12	97,874	49,345	67	467	7	197	227	49,377	34,159	13	0	0				
15	2546.00	97,380	49,088	68	468	7	284	281	49,095	33,877	16	0	0				
16	2545.92	97,050	48,929	45	407	6	291	271	48,908	33,600	10	0	0				
17	2545.77	96,435	48,619	66	463	6	227	259	48,630	33,412	16	0	0				
18	2545.55	95,838	48,167	71	634	7	280	234	48,162	32,934	17	138	0				
19	2545.35	94,727	47,768	72	546	7	216	232	47,759	32,541	17	56	0				
20	2545.22	94,204	47,495	65	411	6	219	207	47,484	32,288	18	0	0				
21	2545.09	93,681	47,231	77	367	6	186	188	47,222	32,004	19	0	0				
22	2544.95	93,121	46,949	65	399	6	158	162	46,944	31,728	16	0	0				
23	2544.82	92,603	46,697	57	341	6	142	154	46,694	31,476	14	0	0				
24	2544.72	92,208	46,467	63	302	7	162	160	46,482	31,284	13	0	0				
25	2544.62	91,810	46,268	55	284	7	147	151	46,287	31,069	14	0	0				
26	2544.53	91,455	46,109	67	261	6	145	142	46,105	30,887	14	0	0				
27	2544.43	91,062	45,910	61	266	6	134	141	45,913	30,695	15	0	0				
28	2544.33	90,889	45,712	55	280	6	143	138	45,710	30,482	14	0	0				
29	2544.24	90,317	45,535	47	280	6	138	139	45,536	30,318	12	0	0				
30	2544.15	89,995	45,358	52	258	6	136	134	45,358	30,140	13	0	0				
31	2544.06	89,815	45,181	49	258	6	134	134	45,181	29,963	12	0	0				
TOTAL SECOND FOOT DAYS													18,087	6,021	462	2,846	0
TOTAL ACRE-FEET													31,928	11,942	918	5,645	0

By: *[Signature]* Date: SEPTEMBER 11, 1992

NORTH KERN WATER STORAGE DISTRICT										BUENA VISTA WATER STORAGE DISTRICT										HACIENDA WATER DISTRICT									
FLOW ABOVE FIRST POINT					FLOW ABOVE FIRST POINT					FLOW ABOVE FIRST POINT					FLOW ABOVE FIRST POINT					FLOW ABOVE FIRST POINT									
KERN VALLEY					HACIENDA					HACIENDA					HACIENDA					HACIENDA									
ENT'L AT 1ST POINT	FLOW AT 1ST POINT	LAKE MING	OLCESE WD	ENT'L AT 2ND POINT	FOR CITY	VIA CWD	VIA KDMWD	VIA KDMWD	AT 2ND POINT	CARMEL WATER	GARMIEL WATER	2800 ACRE WELL EXCH.	OLCESE WD	RESERVOIR LOSS STORAGE	ENTITLEMENT Contributed by: NKWSD	RESERVOIR LOSS STORAGE	RESERVOIR LOSS STORAGE	RESERVOIR LOSS STORAGE	RESERVOIR LOSS STORAGE										
DAY	POINT	WD	COURSE	POINT	CITY	CWD	KDMWD	VIA KDMWD	AT 2ND POINT	CARMEL WATER	GARMIEL WATER	2800 ACRE WELL EXCH.	OLCESE WD	RESERVOIR LOSS STORAGE	NKWSD	RESERVOIR LOSS STORAGE	RESERVOIR LOSS STORAGE	RESERVOIR LOSS STORAGE	RESERVOIR LOSS STORAGE										
Previous Day	216	2	3	1	60	32,986	0	21	33	30	0	282	0	18	9,279	0	0	0	0										
1	221	2	4	0	64	32,626	0	24	21	22	0	283	0	19	8,980	0	0	0	0										
2	216	2	4	0	65	32,279	0	24	19	14	0	225	0	19	8,669	0	0	0	0										
3	216	2	3	1	78	31,939	0	30	22	20	0	223	0	22	8,342	0	0	0	0										
4	214	2	4	1	68	31,607	0	37	29	17	0	216	0	19	8,026	0	0	0	0										
5	206	2	4	0	69	31,246	0	32	28	15	0	229	0	19	7,702	0	0	0	0										
6	183	2	4	1	57	30,899	0	25	26	22	0	236	0	16	7,379	0	0	0	0										
7	178	2	4	1	47	30,596	0	25	26	28	0	287	0	12	7,019	0	0	0	0										
8	186	2	4	0	59	30,294	0	24	13	24	0	297	0	16	6,646	0	0	0	0										
9	186	2	4	0	53	30,037	0	24	13	21	0	329	0	13	6,248	0	0	0	0										
10	228	2	3	1	59	29,763	0	24	17	29	0	270	0	14	5,862	0	0	0	0										
11	228	2	4	0	42	29,471	0	28	23	33	0	181	0	10	5,467	0	0	0	0										
12	224	2	4	1	62	29,232	0	27	23	47	0	0	0	14	5,066	0	0	0	0										
13	200	2	4	1	34	29,016	0	35	15	52	0	0	0	7	4,647	0	0	0	0										
14	227	2	4	1	47	28,814	0	25	6	61	0	0	0	10	4,235	0	0	0	0										
15	281	2	4	1	56	28,642	0	23	21	54	0	0	0	12	3,815	0	0	0	0										
16	271	2	3	1	37	28,485	0	22	25	76	0	0	0	8	3,405	0	0	0	0										
17	259	2	4	0	56	28,446	0	28	27	74	0	0	0	12	2,988	0	0	0	0										
18	234	2	4	1	59	28,210	0	23	10	70	0	136	0	12	2,571	0	0	0	0										
19	232	2	4	1	60	27,966	0	5	20	67	0	56	0	12	2,156	0	0	0	0										
20	207	2	4	0	54	27,803	0	4	8	69	0	0	0	11	1,741	0	0	0	0										
21	188	2	3	1	64	27,630	0	4	1	71	0	0	0	13	1,324	0	0	0	0										
22	182	2	4	0	54	27,444	0	4	22	55	0	0	0	11	911	0	0	0	0										
23	154	2	4	0	48	27,299	0	4	22	70	0	0	0	9	4,177	0	0	0	0										
24	180	2	4	1	44	27,191	0	5	21	69	0	0	0	9	4,073	0	0	0	0										
25	151	2	4	1	46	27,101	0	5	23	68	0	0	0	9	3,968	0	0	0	0										
26	142	2	4	0	48	27,012	0	4	31	49	0	0	0	9	3,876	0	0	0	0										
27	141	2	4	0	51	26,916	0	4	13	71	0	0	0	10	3,777	0	0	0	0										
28	138	2	3	1	48	26,832	0	4	31	73	0	0	0	9	3,680	0	0	0	0										
29	139	2	4	0	40	27,039	0	4	31	55	0	0	0	7	3,279	0	0	0	0										
30	138	1	4	1	45	26,959	0	0	34	37	20	0	0	7	3,181	0	0	0	0										
31	134	2	4	0	42	26,886	0	0	34	52	20	0	0	7	3,098	0	0	0	0										
S.F.D.	6,021	10,646	61	119	17	1,664	26,886	0	826	667	1,484	40	2,846	0	376	3,068	0	0	0										
AC.F.T.	11,942	20,916	121	236	34	3,280	53,346	0	1,041	1,303	2,944	79	5,845	0	744	6,085	0	0	0										
TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS									
1,778,810										332,606										0									

REPORT OF THE KERN RIVER WATERMASTER

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
August	29	2	BVWSD - RESERVOIR STORAGE NKWSD - RESERVOIR STORAGE	Reflects transfer of 668 acre-feet (284 s.f.d.) from BUENA VISTA WATER STORAGE DISTRICT to NORTH KERN WATER STORAGE DISTRICT (City of Bakersfield) as per terms of BVWSD/ City of Bakersfield Exchange Agreement dated April 24, 1992.

1992 APRIL-JULY UNIMPAIRED RUNOFF

Central Valley Streams

April-July Flows
in 1000 Acre-feet

Watershed	(1) 50 Year Average	Forecast as of				(2) 1992 Actual	% of Average
		Feb. 1	Mar. 1	Apr. 1	May 1		
Sacramento River above Bend Bridge	2,491	1,400	1,600	1,550	1,600	1,514	61%
Feather River at Oroville Reservoir	1,857	870	1,100	900	850	719	39%
Yuba River at Smartville	1,047	550	660	530	450	342	33%
American River at Folsom Reservoir	1,284	610	710	550	470	361	28%
Coquille River at Michigan Bar	129	40	60	35	30	27	21%
Mokelumne River at Pardee Reservoir	485	230	280	260	210	179	38%
Stanislaus River at Melones Reservoir	713	360	410	390	320	266	37%
Tuolumne River at Don Pedro Reservoir	1,200	700	790	720	600	532	44%
Merced River at Exchequer Reservoir	617	340	410	370	320	268	48%
San Joaquin River at Millerton Lake	1,228	670	780	730	630	568	46%
Kings River at Pine Flat Reservoir	1,203	610	710	700	580	500	42%
Kaweah River at Terminus Reservoir	284	135	160	155	125	97	34%
Tule River at Success Reservoir	63	17	24	20	12	10	16%
KERN RIVER AT ISABELLA RESERVOIR	461	165	230	210	180	178	39%

(1) All 50-year averages are based on data for water years 1941-1990

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

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	CHANGE IN STORAGE-LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE	KERN COUNTY RECREATION POOL LOSS AT 2ND PT.	FRONT-KERN INFLOW
		ACRE-FOOT	S.F.D.				+1ST POINT	-1ST POINT				
Previous Day	2643.06	89,816	45,181	49	256	6	134	29,983	134	45,181	12	0
1	2643.06	89,844	45,044	41	251	6	180	29,813	147	45,031	10	0
2	2643.01	89,034	44,898	50	221	6	121	29,678	142	44,888	13	0
3	2643.85	88,802	44,771	52	205	6	146	29,547	132	44,765	13	0
4	2643.70	88,570	44,654	44	198	5	130	29,442	142	44,680	11	0
5	2643.74	88,379	44,558	49	182	5	150	29,341	145	44,559	13	0
6	2643.70	88,225	44,490	65	164	5	166	29,280	143	44,488	17	0
7	2643.66	88,032	44,383	58	161	4	124	29,171	142	44,389	16	0
8	2643.61	87,879	44,308	59	162	5	146	29,080	142	44,308	15	0
9	2643.59	87,802	44,287	48	143	5	157	29,040	146	44,288	12	0
10	2643.56	87,687	44,209	56	131	5	134	28,980	142	44,208	15	0
11	2643.53	87,572	44,151	59	128	5	134	28,930	142	44,148	15	0
12	2643.50	87,459	44,094	50	130	6	128	28,874	129	44,092	13	0
13	2643.47	87,344	44,036	45	132	5	124	28,823	131	44,041	12	0
14	2643.45	87,268	43,998	43	132	6	142	28,772	129	43,990	11	0
15	2643.42	87,153	43,940	52	123	5	122	28,724	132	43,942	14	0
16	2643.39	87,039	43,882	48	137	6	133	28,688	126	43,878	13	0
17	2643.35	86,888	43,805	47	145	6	120	28,583	122	43,801	12	0
18	2643.31	86,734	43,728	46	139	6	113	28,522	129	43,740	12	0
19	2643.30	86,608	43,709	52	118	4	156	28,473	126	43,691	14	0
20	2643.28	86,544	43,633	45	132	5	106	28,423	132	43,641	12	0
21	2643.21	86,358	43,538	51	173	5	134	28,316	122	43,534	14	0
22	2643.15	86,129	43,423	39	197	5	128	28,198	123	43,416	10	0
23	2643.08	85,798	43,282	54	220	5	106	28,036	117	43,254	14	0
24	2642.98	85,488	43,100	55	207	5	115	27,884	115	43,102	15	0
25	2642.89	85,150	42,930	40	246	5	121	27,713	120	42,931	11	0
26	2642.80	84,813	42,760	43	247	5	125	27,545	127	42,763	12	0
27	2642.73	84,582	42,628	41	223	4	136	27,411	134	42,629	11	0
28	2642.69	84,403	42,553	38	172	6	141	27,336	140	42,553	10	0
29	2642.65	84,254	42,478	52	180	5	142	27,280	142	42,478	14	0
30	2642.61	84,105	42,403	50	151	6	132	27,185	132	42,403	14	0
TOTAL SECOND FOOT DAYS				1,487	5,140	182	3,981	27,185	3,981	42,403	387	0
TOTAL ACRE-FOOT				2,910	10,195	300	7,896	84,105	7,896	84,105	786	0

By: *gal* Date: OCTOBER 8, 1992

WATERMASTER NOTES *** KERN RIVER BULLETIN

TITLE OF COLUMN

PAGE NO.

DAY(S)

MONTH

COMMENT

None

September

ISABELLA RESERVOIR STORAGE (MIDNIGHT)
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			
1964	25162	22774	22055	21880	21680	21200	20798	20410	19992	19620	19302	18994	18394	18000	17712	17394	17023	16715	16418	16167	16034	15669	15384	16064	14726	14449	14163	13977	13691	13349			
1965	18443	18117	18560	18324	18000	17877	17625	17347	17044	16846	16287	16012	15773	15498	15333	15232	15187	15178	15165	15165	15165	15165	15165	15165	15165	15165	15165	15165	15165	15165	15165		
1966	187682	184484	185550	184482	183413	182219	180658	179221	178448	177337	176358	174704	172222	170991	169880	168812	167828	166901	166031	165218	164466	163765	163115	162515	161965	161455	160985	160555	160165	159815	159495		
1967	120343	119959	118000	116883	116088	117402	116785	116188	115623	114823	114570	113983	113448	112972	112566	112236	111973	111765	111629	111569	111579	111629	111629	111629	111629	111629	111629	111629	111629	111629	111629	111629	
1968	276443	273580	271637	269397	267644	265945	264313	262718	261187	259719	258288	256928	255645	254448	253328	252286	251316	250416	249586	248816	248106	247456	246866	246336	245866	245456	245066	244696	244346	244016	243706	243416	
1969	77916	77284	76992	76859	76777	76749	76769	76829	76929	77069	77249	77469	77729	78029	78369	78749	79169	79629	80129	80669	81249	81869	82529	83229	83969	84749	85569	86429	87329	88269	89249	90269	
1970	30331	30987	30798	30599	30390	30181	29972	29763	29554	29345	29136	28927	28718	28509	28300	28091	27882	27673	27464	27255	27046	26837	26628	26419	26210	26001	25792	25583	25374	25165	24956	24747	24538
1971	24009	23863	23677	23416	23202	22987	22772	22557	22342	22127	21912	21697	21482	21267	21052	20837	20622	20407	20192	19977	19762	19547	19332	19117	18902	18687	18472	18257	18042	17827	17612	17397	17182
1972	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846	10846
1973	29820	29753	29686	29619	29552	29485	29418	29351	29284	29217	29150	29083	29016	28949	28882	28815	28748	28681	28614	28547	28480	28413	28346	28279	28212	28145	28078	28011	27944	27877	27810	27743	27676
1974	10465	10128	10128	10116	10116	10104	10094	10084	10074	10064	10054	10044	10034	10024	10014	10004	9994	9984	9974	9964	9954	9944	9934	9924	9914	9904	9894	9884	9874	9864	9854	9844	9834
1975	242154	240853	238652	236525	234472	232493	230588	228757	226999	225314	223704	222169	220709	219324	218014	216779	215619	214534	213514	212559	211669	210844	210084	209389	208764	208209	207724	207309	206954	206659	206424	206249	206134
1976	101330	100982	100634	100286	100038	99790	99532	99274	99016	98758	98500	98242	97984	97726	97468	97210	96952	96694	96436	96178	95920	95662	95404	95146	94888	94630	94372	94114	93856	93598	93340	93082	92824
1977	138282	136477	134872	133467	132162	130957	129852	128847	127942	127137	126432	125827	125322	124917	124612	124407	124302	124297	124292	124287	124282	124277	124272	124267	124262	124257	124252	124247	124242	124237	124232	124227	124222
1978	380438	379001	377664	376427	375290	374253	373316	372479	371742	371105	370568	370131	369794	369557	369420	369383	369446	369509	369572	369635	369698	369761	369824	369887	369950	370013	370076	370139	370202	370265	370328	370391	370454
1979	25807	254908	253052	251395	249938	248681	247624	246767	246010	245353	244796	244339	243982	243725	243568	243501	243534	243567	243600	243633	243666	243699	243732	243765	243798	243831	243864	243897	243930	243963	243996	244029	244062
1980	403306	401001	398417	395645	392790	389852	386834	383736	380568	377430	374322	371244	368196	365178	362190	359232	356304	353406	350538	347700	344892	342114	339366	336648	333960	331302	328674	326076	323508	320970	318462	315974	313506
1981	177334	176720	176252	175925	175741	175688	175764	175880	176036	176232	176468	176744	177060	177416	177812	178248	178724	179240	179796	180392	181028	181704	182420	183176	184072	185008	186084	187300	188656	190162	191818	193624	195580
1982	405898	403380	401224	399478	398174	397260	396684	396408	396408	396644	397028	397560	398240	399064	399932	400844	401800	402800	403844	404932	406064	407232	408444	409696	410988	412320	413692	415104	416556	418148	419780	421452	423164
1983	498990	494522	489174	482950	475978	468382	460562	452666	444744	436848	428928	421040	413240	405560	398040	390720	383640	376848	370368	364248	358432	352872	347512	342312	337224	332208	327324	322544	317920	313416	309000	304680	300456
1984	297625	296277	295050	293944	292958	292092	291346	290720	290214	289818	289532	289346	289260	289274	289388	289502	289616	289730	289844	289958	290072	290186	290300	290414	290528	290642	290756	290870	290984	291098	291212	291326	291440
1985	224740	223384	222182	221202	220456	219940	219554	219288	219142	219106	219170	219234	219298	219362	219426	219490	219554	219618	219682	219746	219810	219874	219938	219992	220056	220120	220184	220248	220312	220376	220440	220504	220568
1986	372377	370531	367908	365473	363194	361014	358944	356984	355144	353424	351824	350344	348984	347744	346614	345604	344714	343944	343294	342764	342354	342064	341894	341844	341904	341974	342054	342144	342244	342354	342474	342604	342744
1987	182383	182743	183245	183897	184601	185355	186159	187013	187917	188871	189875	190929	192033	193187	194391	195645	196949	198303	199707	201161	202615	204169	205823	207577	209431	211385	213439	215593	217847	220201	222655	225209	227863
1988	8228	8208	8206	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	8208	
1989	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682	102682
1990	51437	51339	51258	51208	51182	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172	51172
1991	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784	102784
1992	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344	80344
1993	49802	494322	491778	487817	482654	476264	468682	460011	450288	440565	430842	42111																					

Quantities in S.F.D. except where noted

OCTOBER 1982

REPORT OF THE KERN RIVER WATERMASTER

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL	STORAGE IRRIGATION	KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND FT.	FRONT-KERN INFLOW	DAY
		MIDNIGHT	S.F.D.				+1ST POINT	+FLOW ABOVE 1ST POINT							
Previous Day	2542.61	84,105	42,403	50	151	6	132		132	42,403	27,185	14	0	0	
1	2542.68	83,884	42,347	48	140	4	136		130	42,341	27,123	13	0	0	1
2	2542.64	83,845	42,272	41	149	3	118		125	42,273	27,056	11	0	0	2
3	2542.62	83,771	42,235	32	123	4	122		120	42,234	27,016	9	0	0	3
4	2542.50	83,688	42,198	33	120	3	119		117	42,195	26,977	9	0	0	4
5	2542.46	83,550	42,123	38	144	4	109		127	42,138	26,920	10	0	0	5
6	2542.46	83,550	42,123	29	120	4	163		128	42,114	26,888	8	0	0	6
7	2542.44	83,478	42,086	39	118	4	124		133	42,086	26,868	11	0	0	7
8	2542.42	83,402	42,049	43	113	4	123		123	42,049	26,831	12	0	0	8
9	2542.40	83,328	42,011	38	119	4	123		122	42,010	26,782	11	0	0	9
10	2542.38	83,254	41,974	35	119	3	120		120	41,973	26,755	10	0	0	10
11	2542.36	83,180	41,937	41	111	3	118		117	41,935	26,717	11	0	0	11
12	2542.34	83,107	41,900	33	112	4	112		116	41,901	26,683	9	0	0	12
13	2542.31	82,988	41,844	48	121	3	116		105	41,834	26,616	13	0	0	13
14	2542.28	82,812	41,751	48	129	3	87		108	41,760	26,542	13	0	0	14
15	2542.23	82,703	41,688	37	130	3	115		104	41,694	26,478	10	0	0	15
16	2542.21	82,629	41,659	27	118	3	111		111	41,657	26,439	8	0	0	16
17	2542.19	82,558	41,622	23	119	3	108		119	41,631	26,413	6	0	0	17
18	2542.18	82,519	41,603	29	124	3	137		120	41,595	26,377	6	0	0	18
19	2542.16	82,446	41,567	32	117	3	116		129	41,572	26,354	9	0	0	19
20	2542.15	82,409	41,548	33	115	4	133		123	41,543	26,325	9	0	0	20
21	2542.14	82,372	41,529	22	113	3	119		127	41,532	26,314	6	0	0	21
22	2542.14	82,372	41,529	26	100	3	129		130	41,533	26,315	7	0	0	22
23	2542.15	82,409	41,548	25	96	3	143		150	41,559	26,341	7	0	0	23
24	2542.18	82,519	41,603	28	94	4	179		151	41,568	26,368	7	0	0	24
25	2542.18	82,519	41,603	14	111	4	129		153	41,610	26,382	4	0	0	25
26	2542.18	82,519	41,603	19	130	3	162		135	41,593	26,375	5	0	0	26
27	2542.16	82,446	41,567	12	144	3	123		140	41,574	26,356	3	0	0	27
28	2542.14	82,372	41,529	19	160	3	144		137	41,529	26,311	5	0	0	28
29	2542.12	82,289	41,482	28	152	3	144		260	41,608	26,390	7	0	0	29
30	2542.28	82,856	41,738	10	182	3	491		375	41,788	26,570	3	0	0	30
31	2542.49	83,681	42,179	15	184	3	593		593	42,178	26,961	4	0	0	31
TOTAL SECOND FOOT DAYS				839	3,927	104	4,746		4,746	42,178	26,961	258	0	0	
TOTAL ACRE-FEET				1,862	7,789	205	9,414		9,414	83,681	53,477	512	0	0	

By: *[Signature]* Date: DECEMBER 14, 1992

Revision of report dated November 9, 1982

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH DAY(S) COMMENT

PAGE NO. TITLE OF COLUMN

October

None

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	0.96	1.12	0.18	0.11	0.63	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	0.00	0.00	0.00	0.09	0.00	9.66
1953-54	0.13	0.80	0.78	1.88	2.26	2.13	0.06	0.07	0.00	0.00	0.00	0.02	8.23
1954-55	0.00	0.80	1.30	2.47	1.05	0.00	0.67	0.78	0.00	0.00	0.00	0.00	7.07
1955-56	0.00	1.34	4.01	4.25	0.26	0.03	1.51	0.43	0.00	0.20	0.00	0.00	12.03
1956-57	0.42	0.00	0.17	1.88	0.96	0.84	0.72	1.03	0.01	0.02	0.00	0.00	6.05
1957-58	0.19	0.33	1.63	3.09	4.45	3.63	2.77	0.24	0.00	0.00	0.06	0.34	16.58
1958-59	0.17	0.48	0.02	0.64	1.54	0.08	0.45	0.07	0.00	0.00	0.00	0.00	3.79
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	1.28	0.12	0.50	0.01	1.59	0.51	0.16	0.11	0.02	1.20	0.00	5.60
1961-62	0.00	2.15	0.79	2.55	5.35	1.26	0.00	0.08	0.00	0.00	0.00	0.00	12.18
1962-63	0.03	0.00	0.00	1.52	3.06	2.06	1.07	0.13	0.72	0.00	1.16	1.16	10.91
1963-64	2.02	1.20	0.46	0.97	0.07	1.83	0.84	0.10	0.03	0.39	0.50	0.01	7.63
1964-65	0.47	1.82	3.99	1.75	0.27	1.21	2.58	0.18	0.13	0.00	0.80	0.20	13.49
1965-66	0.00	2.76	2.37	0.66	0.75	0.22	0.63	0.00	0.00	0.00	0.00	0.00	7.56
1966-67	0.00	1.09	11.53	2.49	0.02	0.85	0.77	0.16	0.24	0.30	0.23	1.63	21.09
1967-68	0.00	1.41	1.85	0.82	0.85	1.55	0.77	0.01	0.00	0.01	0.11	0.00	7.38
1968-69	0.35	1.28	1.65	9.56	6.12	1.14	0.95	0.36	0.34	0.27	0.00	0.10	22.11
1969-70	0.07	0.56	0.24	3.91	0.54	1.89	0.43	0.00	0.00	0.02	0.43	0.00	7.67
1970-71	0.04	3.47	2.20	0.54	0.37	0.45	0.66	0.89	0.00	0.06	0.54	0.00	9.22
1971-72	0.05	0.47	3.04	0.00	0.39	0.00	0.37	0.05	0.80	0.00	0.34	0.03	5.54
1972-73	0.66	3.13	2.48	3.96	2.57	2.65	0.25	0.25	0.00	0.00	0.00	0.00	15.95
1973-74	0.11	1.26	1.25	2.75	0.09	2.00	1.65	0.39	0.00	0.78	0.00	0.00	10.58
1974-75	2.30	0.10	2.41	0.66	1.82	2.77	0.49	0.04	0.00	0.00	0.03	1.85	12.46
1975-76	0.41	0.22	0.07	0.02	1.25	1.61	0.86	0.05	0.00	0.41	0.00	5.20	10.10
1976-77	0.23	0.17	0.62	1.50	1.04	0.75	0.00	0.91	0.39	0.00	0.87	0.00	6.38
1977-78	0.02	0.17	5.02	4.51	6.96	3.46	0.87	0.51	0.00	0.03	0.00	1.33	22.37
1978-79	0.02	0.39	0.74	3.24	3.22	2.54	0.00	0.19	0.00	0.03	0.14	0.83	11.44
1979-80	0.95	0.33	0.34	7.71	4.32	1.85	0.51	0.55	0.00	0.00	0.00	0.04	16.56
1980-81	0.09	0.01	0.63	2.85	1.49	4.27	0.23	0.34	0.00	0.00	0.00	0.00	8.53
1981-82	1.05	1.17	1.16	4.04	1.15	4.27	1.59	0.01	0.04	0.00	0.13	0.71	15.32
1982-83	0.78	3.14	3.78	4.31	4.36	6.96	0.58	0.09	0.00	0.00	0.63	0.00	24.34
1983-84	0.63	3.49	3.56	0.00	1.13	0.27	0.03	0.00	0.02	2.01	0.00	0.15	12.25
1984-85	0.62	2.90	1.83	0.68	1.16	1.71	0.03	0.00	0.00	0.00	0.00	0.27	14.85
1985-86	0.10	2.27	1.43	2.94	3.58	3.58	0.10	0.00	0.00	0.38	0.00	0.00	8.65
1986-87	0.24	0.54	0.27	1.80	2.03	1.88	1.10	0.42	0.48	0.00	0.00	0.00	7.76
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	10.48
1988-89	0.00	1.75	3.15	0.29	2.24	2.28	0.09	0.04	0.00	0.00	0.00	0.00	4.48
1989-90	0.11	0.30	0.00	1.33	1.00	0.67	0.44	0.26	0.02	0.00	0.01	0.19	8.08
1990-91	0.01	0.81	0.74	0.89	1.17	4.24	0.03	0.09	0.00	0.00	0.00	0.00	8.08
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												
AVERAGE	0.34	1.20	1.85	2.30	1.91	1.71	0.72	0.22	0.08	0.13	0.19	0.37	11.01
MAXIMUM	2.30	3.49	11.53	9.56	6.96	6.96	2.77	1.03	0.80	2.01	1.20	5.20	24.34
DAILY MAXIMUM	0.96	2.85	5.20	2.15	3.40	1.72	1.45	0.75	0.50	0.86	1.01	3.08	
DATE OF OCCURRENCE	10/17/83	11/20/80	12/05/88	01/25/69	02/01/80	03/04/81	04/02/74	05/18/57	06/08/72	07/16/84	08/08/63	09/30/78	

Quantities in S.F.D. except where noted

NOVEMBER 1982

REPORT OF THE KERN RIVER WATERMASTER

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	CHANGE IN STORAGE		COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL IRRIGATION	STORAGE		KERN COUNTY RECREATION POOL LOSS AT 2ND PT.	FRONT-KERN INFLOW						
		MIDNIGHT	STORAGE				+1ST POINT	+FLOW ABOVE 1ST POINT			Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	IRRIGATION			FRONT-KERN INFLOW					
Previous Day	2642.49	83,681	42,179	15	184	3	563	28,961	42,179	28,961	4	0	0	0						
1	2642.58	83,904	42,347	14	183	2	367	27,067	42,285	27,067	4	0	0	1						
2	2642.57	83,967	42,328	20	176	3	263	27,131	42,349	27,131	5	0	0	2						
3	2642.59	84,031	42,386	30	170	3	241	27,131	42,349	27,131	8	0	0	3						
4	2642.59	84,031	42,386	15	172	2	189	27,143	42,361	27,143	4	0	0	4						
5	2642.58	83,984	42,347	18	173	2	174	27,140	42,358	27,140	5	0	0	5						
6	2642.57	83,967	42,328	21	203	2	207	27,113	42,331	27,113	6	0	0	6						
7	2642.56	83,920	42,310	27	216	2	216	27,083	42,301	27,083	7	0	0	7						
8	2642.55	83,883	42,291	21	185	2	208	27,083	42,301	27,083	6	0	0	8						
9	2642.55	83,883	42,291	22	186	2	220	27,060	42,278	27,060	6	0	0	9						
10	2642.54	83,845	42,272	15	183	3	182	27,046	42,264	27,046	4	0	0	10						
11	2642.52	83,771	42,236	15	180	2	172	27,021	42,239	27,021	4	0	0	11						
12	2642.50	83,688	42,198	18	189	3	173	26,983	42,201	26,983	5	0	0	12						
13	2642.49	83,661	42,179	21	177	3	179	26,961	42,179	26,961	6	0	0	13						
14	2642.48	83,624	42,160	19	178	3	181	26,942	42,160	26,942	5	0	0	14						
15	2642.47	83,587	42,142	15	179	3	179	26,926	42,144	26,926	4	0	0	15						
16	2642.46	83,550	42,123	24	174	3	182	26,897	42,115	26,897	7	0	0	16						
17	2642.44	83,478	42,086	18	172	3	158	26,868	42,086	26,868	5	0	0	17						
18	2642.42	83,402	42,049	14	175	3	155	26,832	42,050	26,832	4	0	0	18						
19	2642.40	83,328	42,011	24	168	3	166	26,802	42,020	26,802	7	0	0	19						
20	2642.40	83,328	42,011	24	159	3	188	26,789	42,007	26,789	7	0	0	20						
21	2642.40	83,328	42,011	18	162	4	174	26,787	42,005	26,787	5	0	0	21						
22	2642.39	83,291	41,983	30	142	3	167	26,778	41,988	26,778	8	0	0	22						
23	2642.39	83,291	41,983	19	146	3	188	26,777	41,985	26,777	5	0	0	23						
24	2642.39	83,291	41,983	21	151	3	175	26,772	41,980	26,772	6	0	0	24						
25	2642.38	83,254	41,974	31	151	3	188	26,759	41,977	26,759	9	0	0	25						
26	2642.37	83,217	41,955	27	185	3	176	26,734	41,952	26,734	7	0	0	26						
27	2642.34	83,107	41,900	39	180	3	167	26,677	41,895	26,677	11	0	0	27						
28	2642.31	82,988	41,844	24	181	2	151	26,640	41,858	26,640	7	0	0	28						
29	2642.30	82,869	41,825	22	187	3	183	26,607	41,825	26,607	6	0	0	29						
30	2642.28	82,886	41,788	22	182	2	169	26,570	41,788	26,570	6	0	0	30						
TOTAL SECOND FOOT DAYS														648	5,235	81	5,573	179	0	0
TOTAL ACRE-FEET														1,285	10,383	161	11,054	365	0	0

By: *[Signature]*

Date: DECEMBER 14, 1992

Revision of report dated December 11, 1992

REPORT OF THE KERN RIVER WATERMASTER

NOVEMBER 1992

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									
FLOW ABOVE FIRST POINT					KERN VALLEY GOLF COURSE					FLOW ABOVE FIRST POINT					HACIENDA WATER STORAGE DISTRICT					FLOW ABOVE FIRST POINT									
ENT'L AT 1ST POINT	FLOW AT 1ST POINT	LAKE MING	OLCESE WD	INC.	LA HACIENDA	INC.	COURSE	RESERVOIR LOSS STORAGE	ENT'L AT 1ST POINT	FLOW AT 2ND POINT	CARMEL WATER	OLCESE WD 2800 ACRE	WELL EXCH.	RESERVOIR LOSS STORAGE	ENTITLEMENT Contributed by: NKWSD	OLCESE WD	INC.	RESERVOIR LOSS STORAGE	ENTITLEMENT Contributed by: BKWSD	OLCESE WD	INC.	RESERVOIR LOSS STORAGE	DAY						
Previous Day	563	184	1	2	0	0	0	13	24,834	0	0	0	0	2	2,027	0	0	2	2,027	0	0	0	0	0					
1	305	183	1	1	0	0	12	25,042	0	0	0	0	0	2	2,025	0	0	2	2,025	0	0	0	0	1					
2	263	176	1	2	0	0	18	25,108	0	0	0	0	0	2	2,023	0	0	2	2,023	0	0	0	0	2					
3	203	170	1	1	0	0	28	25,112	0	0	0	0	0	4	2,019	0	0	4	2,019	0	0	0	0	3					
4	201	172	1	1	0	0	13	25,126	0	0	0	0	0	2	2,017	0	0	2	2,017	0	0	0	0	4					
5	190	173	0	2	0	0	16	25,125	0	0	0	0	0	2	2,015	0	0	2	2,015	0	0	0	0	5					
6	199	203	1	1	0	0	18	25,101	0	0	0	0	0	3	2,012	0	0	3	2,012	0	0	0	0	6					
7	204	205	1	1	0	0	24	25,074	0	0	0	0	0	3	2,009	0	0	3	2,009	0	0	0	0	7					
8	208	185	1	1	0	0	18	25,077	0	0	0	0	0	3	2,006	0	0	3	2,006	0	0	0	0	8					
9	197	186	1	1	0	0	19	25,057	0	0	0	0	0	3	2,003	0	0	3	2,003	0	0	0	0	9					
10	187	183	0	2	0	0	1	25,045	0	0	0	0	0	2	2,001	0	0	2	2,001	0	0	0	0	10					
11	172	180	1	1	0	0	13	25,022	0	0	0	0	0	2	1,999	0	0	2	1,999	0	0	0	0	11					
12	172	189	1	1	1	0	16	24,986	0	0	0	0	0	2	1,997	0	0	2	1,997	0	0	0	0	12					
13	179	177	1	1	1	0	18	24,987	0	0	0	0	0	3	1,994	0	0	3	1,994	0	0	0	0	13					
14	181	178	0	2	1	0	17	24,960	0	0	0	0	0	2	1,992	0	0	2	1,992	0	0	0	0	14					
15	181	179	1	1	1	0	13	24,938	0	0	0	0	0	2	1,990	0	0	2	1,990	0	0	0	0	15					
16	172	174	1	1	1	0	21	24,910	0	0	0	0	0	3	1,987	0	0	3	1,987	0	0	0	0	16					
17	164	172	0	2	1	0	16	24,883	0	0	0	0	0	2	1,985	0	0	2	1,985	0	0	0	0	17					
18	158	175	1	1	1	0	12	24,849	0	0	0	0	0	2	1,983	0	0	2	1,983	0	0	0	0	18					
19	168	169	1	1	1	0	21	24,822	0	0	0	0	0	3	1,980	0	0	3	1,980	0	0	0	0	19					
20	173	159	0	1	1	1	21	24,812	0	0	0	0	0	3	1,977	0	0	3	1,977	0	0	0	0	20					
21	172	162	1	2	1	0	16	24,812	0	0	0	0	0	2	1,975	0	0	2	1,975	0	0	0	0	21					
22	168	142	1	1	1	0	28	24,807	0	0	0	0	0	4	1,971	0	0	4	1,971	0	0	0	0	22					
23	167	146	0	1	2	0	17	24,808	0	0	0	0	0	2	1,969	0	0	2	1,969	0	0	0	0	23					
24	170	151	1	1	1	0	18	24,806	0	0	0	0	0	3	1,966	0	0	3	1,966	0	0	0	0	24					
25	172	151	1	1	1	0	27	24,797	0	0	0	0	0	4	1,962	0	0	4	1,962	0	0	0	0	25					
26	170	165	0	2	1	0	24	24,775	0	0	0	0	0	3	1,959	0	0	3	1,959	0	0	0	0	26					
27	165	180	1	1	1	0	34	24,723	0	0	0	0	0	5	1,954	0	0	5	1,954	0	0	0	0	27					
28	170	181	0	1	1	0	21	24,689	0	0	0	0	0	3	1,951	0	0	3	1,951	0	0	0	0	28					
29	179	187	1	1	1	0	19	24,659	0	0	0	0	0	3	1,948	0	0	3	1,948	0	0	0	0	29					
30	169	182	0	2	0	0	19	24,625	0	0	0	0	0	3	1,945	0	0	3	1,945	0	0	0	0	30					
S.F.D.	5,573	5,235	21	38	19	3	686	24,625	0	0	0	0	0	82	1,945	0	0	82	1,945	0	0	0	0	0	S.F.D.				
AC.FT.	11,054	10,383	42	76	38	6	1,122	48,844	0	0	0	0	0	183	3,858	0	0	183	3,858	0	0	0	0	0	AC.FT.				
TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS									
										1,482,663										118,243									
										0										0									

REPORT OF THE KERN RIVER WATERMASTER

NOVEMBER 1982

PAGE 5 of 5

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH DAY(S)

PAGE NO.

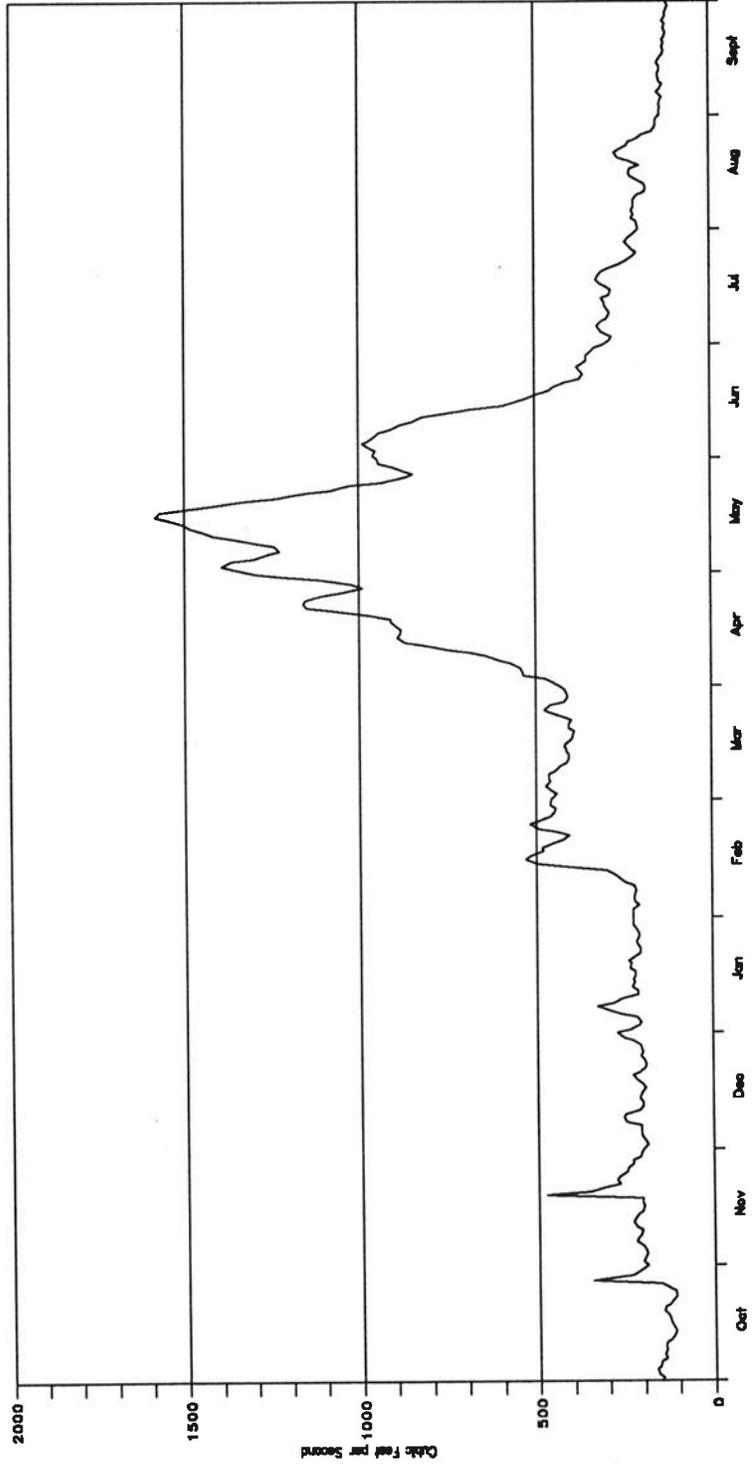
TITLE OF COLUMN

COMMENT

November

None

KERN RIVER NATURAL FLOW
1991-1992 WATER YEAR



REPORT OF THE KERN RIVER WATERMASTER

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	CHANGE IN STORAGE-LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN Recreation Pool + Dead Storage - 15,218 S.F.D. (60, 184 ACFT) TOTAL	STORAGE		KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	FRAMT-KERN INFLOW	DAY				
		ACRE-FOOT	S.F.D.				+1ST POINT	+FLOW ABOVE 1ST POINT			IRRIGATION	Storage								
Previous Day	2542.28	82,886	41,788	22	182	2	189		189	41,788	26,570	26,570	6	0	0	0				
1	2542.27	82,849	41,770	13	177	1	173		189	41,766	26,548	26,548	4	0	0	1				
2	2542.23	82,703	41,686	30	204	1	161		165	41,686	26,478	26,478	6	0	0	2				
3	2542.19	82,556	41,622	24	211	1	162		173	41,633	26,415	26,415	7	0	0	3				
4	2542.18	82,519	41,603	19	186	1	197		172	41,589	26,371	26,371	5	0	0	4				
5	2542.15	82,409	41,548	16	194	1	156		187	41,565	26,347	26,347	4	0	0	5				
6	2542.13	82,336	41,511	30	215	1	208		255	41,574	26,356	26,356	8	0	0	6				
7	2542.18	82,519	41,603	14	262	2	400		276	41,542	26,324	26,324	4	0	35	7				
8	2542.15	82,409	41,548	33	239	1	218		289	41,558	26,340	26,340	9	0	50	8				
9	2542.16	82,446	41,587	19	208	2	248		243	41,572	26,354	26,354	5	0	50	9				
10	2542.17	82,482	41,585	27	217	1	263		264	41,591	26,373	26,373	8	0	10	10				
11	2542.18	82,519	41,603	19	243	2	282		274	41,601	26,383	26,383	5	0	0	11				
12	2542.17	82,482	41,585	17	276	1	276		262	41,589	26,351	26,351	5	0	0	12				
13	2542.16	82,446	41,567	18	229	2	229		238	41,561	26,343	26,343	4	0	0	13				
14	2542.15	82,409	41,548	27	203	1	212		208	41,539	26,321	26,321	8	0	0	14				
15	2542.13	82,336	41,511	16	205	2	186		213	41,529	26,311	26,311	4	0	0	15				
16	2542.10	82,228	41,456	25	269	1	240		232	41,486	26,248	26,248	7	0	0	16				
17	2542.09	82,189	41,437	31	267	2	271		270	41,446	26,228	26,228	9	0	0	17				
18	2542.11	82,262	41,474	17	245	1	300		263	41,446	26,228	26,228	5	0	0	18				
19	2542.11	82,262	41,474	12	205	1	218		241	41,469	26,251	26,251	3	0	0	19				
20	2542.11	82,262	41,474	17	186	2	205		203	41,467	26,249	26,249	5	0	0	20				
21	2542.10	82,228	41,456	20	183	1	186		208	41,471	26,253	26,253	6	0	0	21				
22	2542.11	82,262	41,474	14	200	1	233		213	41,469	26,251	26,251	4	0	0	22				
23	2542.11	82,262	41,474	21	186	2	219		223	41,473	26,255	26,255	6	0	0	23				
24	2542.10	82,228	41,456	21	213	1	225		220	41,458	26,240	26,240	6	0	0	24				
25	2542.08	82,163	41,419	21	240	1	225		222	41,418	26,200	26,200	6	0	0	25				
26	2542.06	82,080	41,382	16	242	2	223		229	41,387	26,189	26,189	4	0	0	26				
27	2542.06	82,080	41,382	19	219	1	239		232	41,380	26,162	26,162	5	0	0	27				
28	2542.06	82,080	41,382	19	214	1	234		272	41,418	26,200	26,200	6	0	0	28				
29	2542.10	82,228	41,456	22	244	2	342		309	41,459	26,241	26,241	6	0	0	29				
30	2542.11	82,262	41,474	19	313	1	351		348	41,474	26,256	26,256	5	0	0	30				
31	2542.11	82,262	41,474	10	263	1	274		274	41,474	26,256	26,256	3	0	0	31				
TOTAL SECOND FOOT DAYS															624	7,349	7,349	173	0	145
TOTAL ACRE-FOOT															1,238	13,880	14,577	343	0	287

By: *Gal* Date: JANUARY 14, 1993

REPORT OF THE KERN RIVER WATERMASTER

DAY	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	NORTH KERN WATER STORAGE DISTRICT				BUJENA VISTA WATER STORAGE DISTRICT				HACIENDA WATER DISTRICT																																							
			LAKE MING	LAKE OLCESE	HACIENDA INC.	KERN VALLEY GOLF COURSE	RESERVOIR STORAGE	ENT'L AT 1ST POINT	FLOW	AT 2ND POINT	CARMEL WATER	OLCESE 2800 ACRE WELL EXCH.	RESERVOIR STORAGE	ENTITLED BY: NKWSD	OLCESE HACIENDA INC.	RESERVOIR STORAGE	LOSS STORAGE	DAY																																
1	169	182	0	2	0	0	0	19	24,625	0	0	0	0	0	3	1,945	0	0	0																															
2	169	177	1	0	0	0	0	11	24,605	0	0	0	0	2	1,943	0	0	0	1																															
3	165	204	0	1	0	0	0	26	24,539	0	0	0	0	4	1,939	0	0	0	2																															
4	173	211	1	0	0	0	0	21	24,479	0	0	0	0	3	1,936	0	0	0	3																															
5	172	186	0	1	0	0	0	17	24,437	0	0	0	0	2	1,934	0	0	0	4																															
6	187	194	1	0	0	0	0	14	24,415	0	0	0	0	2	1,932	0	0	0	5																															
7	265	215	0	1	0	0	0	26	24,428	0	0	0	0	4	1,928	0	0	0	6																															
8	276	282	1	1	0	0	0	12	24,386	0	0	0	0	2	1,926	0	0	0	7																															
9	289	239	0	0	1	0	0	29	24,416	0	0	0	0	4	1,922	0	0	0	8																															
10	243	208	1	1	0	0	0	17	24,434	0	0	0	0	2	1,920	0	0	0	9																															
11	284	217	0	0	1	0	0	24	24,456	0	0	0	0	3	1,917	0	0	0	10																															
12	274	243	1	1	0	0	0	17	24,468	0	0	0	0	2	1,915	0	0	0	11																															
13	282	276	0	0	1	0	0	16	24,438	0	0	0	0	2	1,913	0	0	0	12																															
14	239	229	1	1	0	0	0	14	24,432	0	0	0	0	2	1,911	0	0	0	13																															
15	209	203	0	0	1	0	0	24	24,413	0	0	0	0	3	1,908	0	0	0	14																															
16	213	205	1	1	0	0	0	14	24,405	0	0	0	0	2	1,906	0	0	0	15																															
17	232	289	0	0	1	0	0	22	24,345	0	0	0	0	3	1,903	0	0	0	16																															
18	270	257	1	1	0	0	0	27	24,329	0	0	0	0	4	1,899	0	0	0	17																															
19	283	245	0	0	1	0	0	16	24,331	0	0	0	0	2	1,897	0	0	0	18																															
20	241	205	0	0	1	0	0	11	24,365	0	0	0	0	1	1,896	0	0	0	19																															
21	203	186	1	1	0	0	0	15	24,355	0	0	0	0	2	1,894	0	0	0	20																															
22	208	183	0	0	1	0	0	17	24,362	0	0	0	0	3	1,891	0	0	0	21																															
23	213	200	0	1	0	0	0	12	24,362	0	0	0	0	2	1,889	0	0	0	22																															
24	223	196	1	0	1	0	0	18	24,369	0	0	0	0	3	1,886	0	0	0	23																															
25	220	213	0	1	0	0	0	18	24,367	0	0	0	0	3	1,883	0	0	0	24																															
26	222	240	0	0	1	0	0	18	24,320	0	0	0	0	3	1,880	0	0	0	25																															
27	229	242	1	1	0	0	0	14	24,291	0	0	0	0	2	1,878	0	0	0	26																															
28	272	214	0	1	0	0	0	17	24,286	0	0	0	0	2	1,874	0	0	0	27																															
29	309	244	1	0	1	0	0	19	24,370	0	0	0	0	3	1,871	0	0	0	28																															
30	348	313	0	1	0	0	0	17	24,387	0	0	0	0	2	1,869	0	0	0	29																															
31	274	263	0	0	1	0	0	9	24,386	0	0	0	0	1	1,870	0	0	0	30																															
S.F.D.	7,349	6,968	13	15	13	0	0	547	24,366	0	0	0	0	77	1,870	0	0	0	0	S.F.D.																														
AC.F.T.	14,577	13,880	28	30	25	0	0	1,085	48,969	0	0	0	0	153	3,709	0	0	0	0	AC.F.T.																														
TOTAL ACRE-FOOT STORAGE DAYS																1,500,080	TOTAL ACRE-FOOT STORAGE DAYS																117,037	TOTAL ACRE-FOOT STORAGE DAYS																0

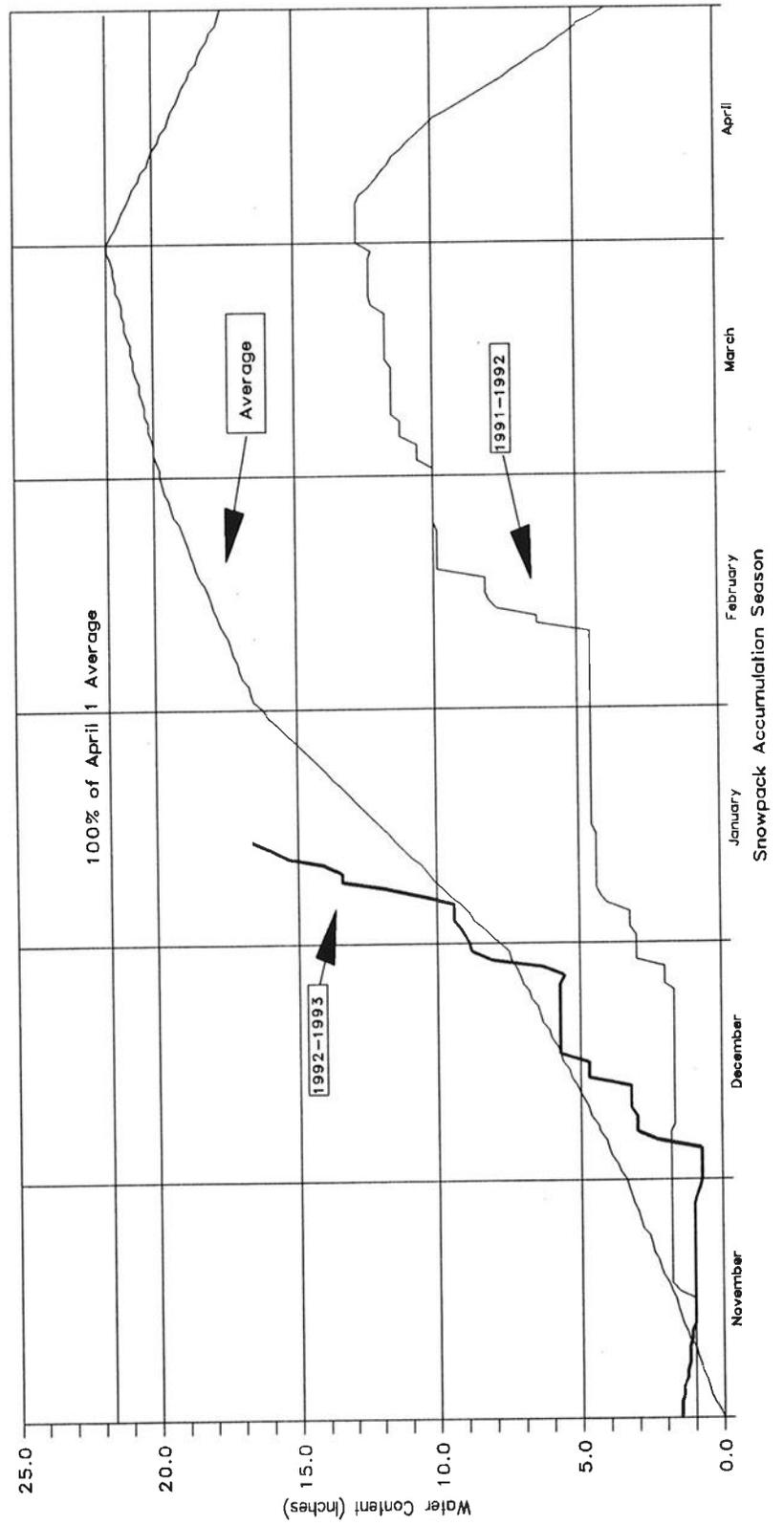
DECEMBER 1992

REPORT OF THE KERN RIVER WATERMASTER

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
December	7-10	1	FRIANT-KERN INFLOW	Operational spill to Kern River as reported by Friant Water Users Authority
December	31	2	NKWSO RESERVOIR STORAGE BWWSO RESERVOIR STORAGE	Reflects transfer of 4 acre-feet (2 s.f.d.) from NORTH KERN WATER STORAGE DISTRICT (City of Bakersfield) to BUENA VISTA WATER STORAGE DISTRICT as compensation for additional evaporation of Kern River water resulting from Rio Bravo Power Plant operations as per terms of Section 5 of May 14, 1986 Memorandum of Understanding between Olcese Water District and Kern River Interests. (Total of 14 acre-feet of additional evaporation due to Rio Bravo Power Plant operations during 1992 calendar year; shared 75% NKWSO and 25% BWWSO).

KERN RIVER BASIN SNOWPACK ACCUMULATION
EIGHT SENSOR INDEX



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