

KERN RIVER

1994



1994
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										32,864	30,827	31,757					
	mean s.f.d.										534	518	516					
1894	acre-feet	40,647	39,816	61,548	98,974	98,801	64,584	43,061	20,565	14,759	17,179	14,501	28,911	533,326				
	mean s.f.d.	661	717	1,001	1,495	1,607	1,085	700	334	248	279	244	470		2,208	172	737	
1895	acre-feet	49,769	69,521	84,456	182,071	268,635	172,890	91,133	38,672	20,452	20,091	20,604	24,758	1,023,052				
	mean s.f.d.	809	1,252	1,374	2,724	4,369	2,906	1,482	629	344	327	346	403		5,583	276	1,413	
1896	acre-feet	45,951	35,510	58,494	57,864	86,174	146,124	82,760	29,885	18,061	16,401	21,108	21,360	619,692				
	mean s.f.d.	747	617	951	972	1,401	2,456	1,346	486	304	267	355	347		3,611	223	854	
1897	acre-feet	22,949	44,941	56,756	173,393	281,639	137,393	61,837	28,842	17,728	20,888	21,146	25,922	893,434				
	mean s.f.d.	373	809	923	2,914	4,580	2,309	1,006	469	298	340	355	422		5,342	260	1,234	
1898	acre-feet	22,332	24,105	23,882	42,248	45,213	32,809	15,033	7,390	6,985	9,830	9,884	12,216	251,827				
	mean s.f.d.	363	434	398	710	735	551	244	120	116	160	166	199		1,342	80	348	
1899	acre-feet	16,185	16,754	36,279	53,133	51,353	79,178	30,046	9,600	6,248	9,852	13,180	17,064	338,872				
	mean s.f.d.	263	302	590	893	835	1,331	499	156	105	160	221	278		4,932	86	468	
1900	acre-feet	22,266	15,562	25,384	28,102	68,295	76,366	24,125	8,860	9,903	9,808	20,787	22,915	332,373				
	mean s.f.d.	362	280	413	472	1,111	1,283	392	144	166	160	349	373		1,969	101	459	
1901	acre-feet	30,337	47,760	78,109	83,190	186,446	197,792	114,613	59,538	20,535	19,468	22,429	19,874	880,089				
	mean s.f.d.	493	860	1,270	1,398	3,032	3,324	1,864	968	345	317	377	323		4,419	226	1,216	
1902	acre-feet	17,407	20,562	48,546	107,403	109,904	128,853	43,436	19,172	11,695	12,242	16,739	16,560	552,539				
	mean s.f.d.	283	371	790	1,905	1,787	2,165	706	312	197	199	281	299		3,758	160	763	
1903	acre-feet	21,531	25,192	35,575	74,315	132,097	139,222	53,355	18,623	11,357	10,681	12,107	12,340	546,395				
	mean s.f.d.	350	454	579	1,249	2,148	2,340	868	303	191	174	203	201		3,374	150	755	
1904	acre-feet	11,982	19,902	40,996	59,812	113,205	103,904	39,725	28,733	15,901	26,955	17,006	14,828	492,949				
	mean s.f.d.	195	346	667	1,005	1,841	1,746	646	467	267	438	286	241		3,167	156	679	
1905	acre-feet	17,258	22,001	50,598	62,047	117,748	132,766	53,835	20,134	12,563	12,744	14,041	18,074	531,809				
	mean s.f.d.	281	366	823	1,043	1,915	2,231	876	327	211	207	236	261		3,247	165	735	
1906	acre-feet	42,623	34,750	126,844	173,143	360,234	458,418	399,841	141,384	57,825	37,464	29,831	37,983	1,900,540				
	mean s.f.d.	693	626	2,063	2,910	5,859	7,704	6,503	2,299	973	609	503	618		9,684	222	2,625	
1907	acre-feet	41,697	56,834	83,272	197,720	199,950	183,995	97,083	41,940	24,623	22,428	19,747	21,611	960,900				
	mean s.f.d.	678	1,023	1,354	3,323	3,252	3,092	1,579	692	414	365	332	351				1,369	
1908	acre-feet	27,678	32,481	65,079	79,320	79,418	60,305	41,851	32,378	21,763	21,487	18,206	18,337	498,503				
	mean s.f.d.	453	565	1,058	1,333	1,292	1,013	681	527	366	349	306	298				687	
1909	acre-feet	118,441	125,050	128,649	247,402	382,617	394,086	194,870	66,224	43,448	31,214	34,350	72,292	1,838,643				
	mean s.f.d.	1,926	2,252	2,092	4,158	6,223	6,623	3,169	1,077	730	508	577	1,176		11,870	295	2,540	
1910	acre-feet	73,523	48,904	85,085	102,893	127,733	79,464	42,046	24,216	17,201	18,976	18,881	19,999	658,911				
	mean s.f.d.	1,196	881	1,384	1,729	2,077	1,335	684	394	289	309	317	325		4,847	222	910	

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1911	acre-foot	38,241	53,944	80,166	138,113	184,481	222,076	156,498	45,880	25,222	25,422	21,691	21,650	1,013,384	—	—	—
	mean s.f.d.	622	971	1,304	2,321	3,000	3,732	2,545	746	424	413	365	352	—	5,383	273	1,400
1912	acre-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	628	1,309	1,696	539	271	183	192	198	192	—	3,220	147	534
1913	acre-foot	13,019	15,731	25,191	42,494	73,591	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	24,482	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	124,506	172,324	77,496	24,668	16,457	14,452	14,858	19,320	646,287	—	—	—
	mean s.f.d.	366	545	789	1,360	2,025	2,896	1,260	401	277	235	250	314	—	4,249	203	891
1916	acre-foot	172,346	202,510	378,116	481,749	472,994	391,700	225,154	56,755	33,808	41,774	30,879	32,384	2,520,149	—	—	—
	mean s.f.d.	2,803	3,521	6,149	8,096	7,693	6,583	3,662	923	588	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	36,960	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	196,753	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	21,068	23,002	37,973	86,574	140,215	81,844	34,364	16,288	11,722	13,835	13,884	18,325	499,124	—	—	—
	mean s.f.d.	343	414	618	1,455	2,280	1,375	559	265	197	225	233	298	—	4,299	156	689
1920	acre-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	2,584	2,316	825	365	251	270	328	337	—	4,456	196	827
1921	acre-foot	23,520	30,791	55,402	51,723	100,066	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	30,682	33,846	52,488	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	26,963	25,720	31,372	73,355	120,849	82,528	55,800	22,322	18,054	15,495	14,348	13,809	500,515	—	—	—
	mean s.f.d.	437	463	510	1,233	1,965	1,387	908	363	303	252	241	225	—	3,275	179	691
1924	acre-foot	13,676	13,702	15,953	28,540	41,722	14,069	8,225	5,881	5,494	7,942	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	25,638	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	6,358	28,493	28,094	396,706	—	—	—
	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	75,481	26,817	14,842	14,037	27,180	19,140	792,590	—	—	—
	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	18,716	9,189	6,583	8,732	11,974	13,710	312,828	—	—	—
	mean s.f.d.	300	310	531	635	1,250	1,014	304	149	111	142	201	223	—	2,058	101	431
1929	acre-foot	13,964	14,654	25,176	39,084	85,995	63,487	30,986	12,797	9,146	8,783	9,035	9,961	322,959	—	—	—
	mean s.f.d.	225	264	409	666	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	41,867	24,262	8,493	6,302	6,860	6,817	8,241	17,510	185,645	—	—	—
	mean s.f.d.	200	248	257	394	681	408	138	102	115	111	138	285	—	2,261	71	256
1932	acre-foot	22,235	39,596	68,647	111,273	154,742	166,404	94,013	28,243	13,593	13,942	12,077	12,962	737,727	—	—	—
	mean s.f.d.	362	688	1,116	1,870	2,517	2,797	1,529	459	228	227	203	211	—	3,728	180	1,016
1933	acre-foot	17,175	21,021	36,244	57,265	60,026	125,395	56,898	18,692	10,062	10,993	10,776	16,639	441,086	—	—	—
	mean s.f.d.	279	379	589	962	976	2,107	925	304	189	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	8,198	11,272	13,757	227,665	—	—	—
	mean s.f.d.	328	303	446	671	700	367	184	113	118	133	189	224	—	914	82	314
1935	acre-foot	14,840	18,500	24,841	71,042	103,787	133,634	42,184	17,193	11,363	11,992	11,905	12,877	474,128	—	—	—
	mean s.f.d.	241	333	404	1,194	1,698	2,246	686	280	191	195	200	209	—	3,378	164	655
1936	acre-foot	14,737	46,808	57,374	157,290	219,404	137,028	67,902	32,987	14,372	15,423	15,828	17,294	796,447	—	—	—
	mean s.f.d.	240	814	933	2,643	3,568	2,303	1,104	536	242	251	266	281	—	4,173	194	1,097
1937	acre-foot	21,745	139,109	111,443	183,505	352,050	225,395	91,087	32,186	17,780	17,173	16,378	52,320	1,280,182	—	—	—
	mean s.f.d.	354	2,505	1,912	3,084	5,726	3,788	1,482	523	299	279	275	851	—	20,000	223	1,741
1938	acre-foot	31,265	42,456	162,121	223,928	315,044	291,880	130,917	54,155	28,693	27,475	24,748	26,003	1,358,685	—	—	—
	mean s.f.d.	508	764	2,637	3,763	5,124	4,905	2,129	881	482	447	416	423	—	14,562	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	13,950	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	18,926	13,234	14,670	16,007	27,723	789,098	—	—	—
	mean s.f.d.	733	1,131	1,265	1,986	3,195	2,445	821	308	222	239	269	451	—	5,454	167	1,087
1941	acre-foot	39,540	73,589	109,735	124,615	386,666	309,960	174,416	62,537	27,997	26,325	27,661	38,035	1,401,076	—	—	—
	mean s.f.d.	643	1,325	1,785	2,094	6,289	5,209	2,837	1,017	471	428	465	619	—	8,523	337	1,935
1942	acre-foot	49,438	40,834	59,487	112,586	150,036	178,754	81,529	30,284	16,500	14,648	16,130	22,740	771,966	—	—	—
	mean s.f.d.	804	735	951	1,892	2,440	3,004	1,326	493	277	238	271	370	—	4,060	141	1,066
1943	acre-foot	92,551	56,820	261,344	198,736	254,765	155,650	88,011	34,435	17,857	17,849	18,565	24,224	1,220,827	—	—	—
	mean s.f.d.	1,505	1,023	4,250	3,340	4,144	2,616	1,431	560	300	290	312	394	—	21,701	252	1,696
1944	acre-foot	27,473	32,781	69,836	80,223	150,109	115,862	59,197	20,305	12,843	12,952	21,521	22,435	625,537	—	—	—
	mean s.f.d.	447	570	1,136	1,348	2,441	1,947	963	330	216	211	362	365	—	3,071	191	862
1945	acre-foot	20,783	70,522	63,925	131,246	205,509	169,002	91,563	41,632	21,548	41,268	36,845	44,182	938,055	—	—	—
	mean s.f.d.	336	1,270	1,040	2,206	3,342	2,840	1,490	677	362	671	619	719	—	9,370	155	1,296
1946	acre-foot	45,481	34,854	60,958	109,658	155,476	85,880	39,733	20,091	13,261	16,141	31,365	37,785	650,683	—	—	—
	mean s.f.d.	740	628	991	1,843	2,529	1,443	646	327	223	263	527	615	—	3,814	192	899
1947	acre-foot	31,146	28,167	38,319	60,353	110,325	57,778	21,116	12,313	9,140	12,607	13,492	13,942	406,898	—	—	—
	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	9,596	11,220	329,506	—	—	—
	mean s.f.d.	219	231	264	739	1,400	1,320	510	161	116	145	161	182	—	2,206	97	454
1949	acre-foot	11,982	12,992	21,136	50,517	84,508	57,685	17,201	9,862	6,541	7,704	11,131	12,791	302,870	—	—	—
	mean s.f.d.	195	234	344	849	1,374	969	280	141	110	125	187	208	—	2,128	69	418
1950	acre-foot	17,119	39,761	37,087	76,155	98,483	80,367	34,901	12,179	10,393	9,955	9,958	77,962	601,360	—	—	—
	mean s.f.d.	278	716	603	1,280	1,602	1,519	598	198	175	162	1,630	1,268	—	37,000	128	831

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1951	acre-foot	32,975	30,018	35,101	48,914	85,039	88,990	38,941	12,986	7,793	9,364	11,958	40,163	442,222	—	—	—
	mean s.f.d.	536	541	571	822	1,383	1,496	633	211	131	152	201	653	—	8,341	—	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	35,280	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	—	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	—	758
1954	acre-foot	22,019	30,391	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	—	729
1955	acre-foot	20,438	24,625	29,734	37,587	69,544	86,960	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	—	614
1956	acre-foot	82,943	49,983	62,767	97,553	159,683	168,876	98,529	41,141	21,370	23,397	17,042	16,568	840,862	—	—	—
	mean s.f.d.	1,349	969	1,021	1,639	2,597	2,838	1,619	669	359	381	286	269	—	5,167	—	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	—	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
1959	acre-foot	20,592	22,258	33,274	40,566	39,945	32,061	18,013	10,094	9,852	9,869	10,419	11,215	257,978	—	—	—
	mean s.f.d.	335	401	541	682	650	539	293	164	166	158	175	182	—	944	—	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	148	166	238	210	—	1,690	—	98
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	—	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	209	194	—	3,604	—	964
1963	acre-foot	27,793	101,595	42,994	69,412	137,839	163,944	105,384	47,008	28,883	27,291	25,837	23,470	801,450	—	—	—
	mean s.f.d.	452	1,829	699	1,167	2,242	2,755	1,714	765	485	444	434	382	—	15,584	—	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	—	4,693	—	467
1965	acre-foot	46,768	31,702	36,359	80,043	131,980	149,357	95,288	49,105	22,036	17,631	29,542	30,551	720,362	—	—	—
	mean s.f.d.	761	571	591	1,345	2,146	2,510	1,550	769	370	287	496	497	—	3,322	—	985
1966	acre-foot	29,272	22,439	39,108	68,779	82,336	45,431	23,347	18,141	9,608	10,822	15,501	313,811	679,595	—	—	—
	mean s.f.d.	476	404	636	1,156	1,339	763	380	295	161	176	261	5,104	—	80,029	—	937
1967	acre-foot	63,590	65,831	86,200	96,509	269,631	311,063	243,802	94,834	55,255	36,230	34,546	35,746	1,396,227	—	—	—
	mean s.f.d.	1,034	1,185	1,402	1,672	4,385	5,228	3,985	1,542	929	589	581	581	—	7,223	—	1,928
1968	acre-foot	34,052	40,354	48,803	65,584	87,991	64,054	30,690	20,600	11,466	13,599	16,982	19,585	453,760	—	—	—
	mean s.f.d.	554	702	794	1,102	1,431	1,076	499	335	193	221	285	319	—	1,923	—	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	586	586	555	—	24,216	—	3,400
1970	acre-foot	66,480	41,419	59,617	63,513	110,057	95,700	50,138	24,224	14,392	13,301	21,519	28,814	589,474	—	—	—
	mean s.f.d.	1,081	746	974	1,067	1,780	1,608	815	394	242	216	362	469	—	6,298	—	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	30,960	41,913	52,661	66,635	82,707	42,472	19,841	11,371	11,540	14,102	19,109	427,454	—	—	—
	mean s.f.d.	555	557	682	885	1,084	1,390	691	323	191	188	237	311	—	1,895	125	590
1972	acre-foot	19,964	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	18,995	22,342	27,788	979,652	—	—	—
	mean s.f.d.	547	655	858	1,864	4,694	3,872	1,526	667	387	307	375	452	—	5,886	220	1,353
1974	acre-foot	50,337	29,873	74,247	114,113	183,733	167,740	69,580	39,991	23,532	21,953	19,904	23,603	818,606	—	—	—
	mean s.f.d.	819	538	1,208	1,918	2,988	2,819	1,132	650	395	357	334	384	—	4,141	220	1,130
1975	acre-foot	21,521	26,725	42,815	46,602	147,001	140,960	51,917	22,625	17,133	16,209	15,049	16,310	564,567	—	—	—
	mean s.f.d.	350	481	696	783	2,391	2,364	844	368	288	264	253	265	—	3,783	164	780
1976	acre-foot	16,308	16,994	23,074	25,924	47,151	20,930	14,749	14,573	25,097	20,523	12,954	11,191	249,468	—	—	—
	mean s.f.d.	265	295	375	436	767	352	240	237	422	334	218	182	—	1,188	142	344
1977	acre-foot	13,456	13,704	14,765	23,391	25,630	35,655	10,973	10,979	7,815	8,146	8,456	24,028	196,998	—	—	—
	mean s.f.d.	219	247	240	393	417	599	178	179	131	132	142	391	—	2,049	57	272
1978	acre-foot	46,596	116,432	175,484	181,700	363,157	354,825	194,693	74,001	61,696	29,562	26,974	28,485	1,653,505	—	—	—
	mean s.f.d.	758	2,096	2,854	3,054	5,906	5,963	3,166	1,204	1,037	481	452	463	—	10,901	350	2,284
1979	acre-foot	34,062	41,825	72,299	102,079	164,935	106,112	46,733	27,243	19,583	19,781	18,779	19,230	672,661	—	—	—
	mean s.f.d.	554	753	1,176	1,715	2,662	1,783	760	443	329	322	316	313	—	3,540	229	929
1980	acre-foot	145,545	169,887	139,620	211,608	287,825	282,877	208,715	78,143	35,068	26,955	25,006	29,708	1,639,957	—	—	—
	mean s.f.d.	2,367	2,936	2,271	3,556	4,681	4,754	3,394	1,271	589	438	420	483	—	14,171	261	2,259
1981	acre-foot	28,709	34,762	45,608	69,320	91,914	65,817	25,630	17,389	13,222	14,781	18,922	23,189	449,263	—	—	—
	mean s.f.d.	467	626	742	1,165	1,495	1,106	417	283	222	240	318	377	—	2,211	157	621
1982	acre-foot	37,682	52,996	78,724	212,963	254,965	198,748	130,098	61,956	61,716	46,306	57,116	77,849	1,271,139	—	—	—
	mean s.f.d.	613	954	1,280	3,579	4,147	3,340	2,116	1,008	1,037	753	960	1,266	—	9,075	389	1,756
1983	acre-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	9,810	4,998	2,520	1,151	867	1,203	1,675	—	14,038	602	3,438
1984	acre-foot	76,054	60,926	82,738	91,359	161,613	93,114	77,046	49,698	28,306	26,428	35,020	39,495	821,797	—	—	—
	mean s.f.d.	1,237	1,059	1,346	1,535	2,628	1,565	1,253	808	476	430	589	642	—	3,305	288	1,132
1985	acre-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	868	2,290	2,397	1,678	673	390	286	268	375	552	—	3,353	208	928
1986	acre-foot	42,688	149,966	204,775	208,147	293,335	263,794	121,398	57,160	26,567	28,330	25,341	23,458	1,444,939	—	—	—
	mean s.f.d.	694	2,700	3,330	3,498	4,771	4,433	1,974	930	446	461	426	382	—	8,296	313	1,996
1987	acre-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	20,969	13,454	10,733	9,283	10,955	15,515	294,665	—	—	—
	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	397,038	—	—	—
	mean s.f.d.	259	424	1,097	1,536	1,169	837	348	212	172	176	180	178	—	2,068	123	548
1990	acre-foot	12,916	13,127	23,048	32,019	38,600	29,345	13,360	8,366	6,428	8,834	8,340	9,148	203,571	—	—	—
	mean s.f.d.	210	236	375	538	628	493	218	136	108	144	140	149	—	845	78	281

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1991	acre-feet	10,931	9,215	47,341	58,092	79,763	100,423	38,265	14,854	11,040	9,358	13,940	13,067	406,289	—	—	—
	mean s.f.d.	178	166	770	976	1,297	1,688	622	242	186	152	234	213	—	5,025	—	109
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
1993	acre-feet	39,221	39,564	94,231	133,993	200,864	162,420	87,414	32,763	16,506	14,223	14,398	18,163	853,780	—	—	—
	mean s.f.d.	638	712	1,533	2,252	3,267	2,730	1,422	533	277	231	242	295	—	3,957	—	203
1994	acre-feet	18,936	23,946	38,592	46,489	67,224	56,223	21,068	11,939	8,981	14,771	12,780	15,507	336,456	—	—	—
	mean s.f.d.	308	431	628	781	1,093	945	343	194	151	240	215	252	—	1,686	—	121

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

YEAR: 1994

October 1893 to Date...

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
Mean Monthly Flow (acre-feet)	35,718	42,452	64,057	98,935	154,747	138,180	70,935	30,804	18,196	17,462	19,670	27,538	718,694
Mean Monthly Flow (second foot days)	581	758	1,042	1,663	2,517	2,322	1,154	501	306	284	331	448	992
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	101	101	101	101	101	101	101	101	101	102	102	102	
Cumulative Monthly Flow (All Months - acre-feet)	3,607,477	4,287,663	6,469,760	9,992,405	15,629,431	13,956,163	7,164,467	3,111,229	1,837,833	1,781,164	2,006,298	2,808,889	
Median Monthly Flow (acre-feet)	22,883	30,321	46,189	74,717	117,874	111,187	48,230	21,638	13,860	14,458	15,942	19,248	536,447
Median Monthly Flow (second foot days)	372	541	751	1,256	1,917	1,869	784	352	233	235	266	313	740

MEAN APRIL - JULY RUNOFF TO DATE = 462,797 AcFt MEAN MARCH - OCTOBER RUNOFF TO DATE = 593,316 AcFt
 MEDIAN APRIL - JULY RUNOFF TO DATE = 352,008 AcFt MEDIAN MARCH - OCTOBER RUNOFF TO DATE = 448,153 AcFt

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

Year: 1994

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	447	731	858	1,288	2,060	2,689	1,669	710	363	300	291	352
2	439	682	895	1,289	2,089	2,656	1,647	685	356	298	289	354
3	428	641	978	1,311	2,133	2,640	1,623	669	348	295	287	370
4	429	596	951	1,307	2,205	2,631	1,595	653	338	292	284	395
5	453	586	959	1,341	2,254	2,641	1,535	628	355	285	286	508
6	444	654	922	1,370	2,304	2,650	1,488	613	364	293	286	1,152
7	443	791	888	1,391	2,341	2,652	1,440	599	340	283	288	533
8	452	732	908	1,416	2,386	2,634	1,391	585	327	289	286	432
9	437	784	1,002	1,444	2,424	2,587	1,346	570	317	290	287	438
10	445	752	1,011	1,473	2,450	2,571	1,306	563	307	285	291	441
11	462	685	980	1,579	2,451	2,533	1,263	554	303	282	305	412
12	531	702	954	1,595	2,452	2,513	1,234	541	308	278	309	418
13	555	816	974	1,586	2,478	2,492	1,209	514	298	278	303	397
14	663	763	990	1,604	2,511	2,452	1,188	497	288	274	308	380
15	568	767	959	1,626	2,533	2,413	1,150	491	287	275	305	379
16	574	762	995	1,673	2,551	2,359	1,123	488	282	275	306	373
17	564	790	1,024	1,695	2,583	2,323	1,085	475	281	282	312	377
18	653	903	1,088	1,726	2,623	2,285	1,055	473	279	279	324	371
19	611	894	1,075	1,772	2,666	2,248	1,024	471	273	279	471	365
20	572	812	1,061	1,821	2,665	2,214	1,003	457	273	281	414	362
21	583	788	1,098	1,863	2,663	2,181	968	438	273	279	362	371
22	685	774	1,081	1,897	2,670	2,148	937	420	273	276	351	395
23	695	778	1,085	1,908	2,657	2,101	921	409	271	277	352	540
24	703	780	1,097	1,922	2,666	2,034	921	396	271	276	380	489
25	933	806	1,144	1,939	2,692	1,974	884	386	289	273	381	488
26	892	807	1,178	1,967	2,742	1,906	859	375	332	281	360	464
27	748	815	1,213	1,983	2,751	1,862	840	374	305	285	377	489
28	706	806	1,219	2,019	2,752	1,812	810	377	288	287	371	464
29	624	863	1,220	2,031	2,767	1,759	775	378	295	287	358	448
30	603	-	1,224	2,044	2,758	1,706	752	374	290	292	393	489
31	666	-	1,264	-	2,741	-	722	367	-	298	-	438
TOTAL	18,008	21,403	32,295	49,880	78,018	69,666	35,763	15,530	9,174	8,804	9,917	13,884
MAXIMUM DAY	933	903	1,264	2,044	2,767	2,689	1,669	710	364	300	471	1,152
MINIMUM DAY	428	586	858	1,288	2,060	1,706	722	367	271	273	284	352
MEAN	581	758	1,042	1,663	2,517	2,322	1,154	501	306	284	331	448
TOTAL AC.FT.	35,718	42,452	64,057	98,935	154,747	138,180	70,935	30,804	18,196	17,462	19,670	27,538
WHOLE YEAR:-	TOTAL	362,342	MAX.	2,767	MIN.	271	MEAN	992	TOTAL AC.FT.	718,694		

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

Year : 1994

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	345	433	607	1,015	1,561	2,130	1,281	482	262	231	244	283
2	344	427	624	989	1,639	2,201	1,142	463	253	231	255	276
3	343	443	606	956	1,615	2,210	1,130	463	256	227	251	298
4	339	456	623	997	1,651	2,146	1,115	459	258	238	250	311
5	346	451	685	1,047	1,681	2,073	1,069	431	254	227	257	312
6	363	470	658	1,096	1,678	2,131	1,041	425	257	224	252	314
7	362	488	639	1,198	1,679	2,405	969	412	257	229	256	302
8	367	520	620	1,189	1,676	2,229	917	417	248	231	254	299
9	367	526	641	1,203	1,705	2,189	905	388	246	231	256	303
10	361	547	630	1,182	1,831	2,122	856	381	245	230	261	302
11	363	536	638	1,185	1,816	2,275	826	367	234	224	262	304
12	368	550	631	1,146	1,849	2,297	823	359	241	226	262	305
13	370	568	621	1,189	1,986	2,198	825	366	232	229	267	314
14	387	550	645	1,203	1,906	2,186	814	349	225	228	271	314
15	364	534	678	1,175	1,903	2,083	770	340	232	228	269	318
16	370	551	674	1,204	1,869	1,954	731	346	238	233	266	322
17	360	593	703	1,235	2,001	1,842	719	331	230	234	268	321
18	359	604	715	1,265	2,042	1,801	717	324	226	242	269	309
19	374	590	774	1,296	2,125	1,683	684	318	219	245	280	315
20	383	582	794	1,322	2,069	1,602	701	308	217	245	276	317
21	377	568	871	1,360	2,008	1,570	681	306	221	240	266	308
22	367	572	777	1,405	2,014	1,609	634	293	222	236	273	307
23	371	573	872	1,430	2,012	1,534	608	302	211	236	280	330
24	391	574	850	1,467	2,085	1,439	596	306	208	236	280	325
25	377	593	900	1,463	2,088	1,439	600	296	211	236	288	324
26	389	596	953	1,515	2,068	1,431	575	281	222	243	282	315
27	389	616	999	1,485	2,105	1,333	550	291	215	250	270	321
28	393	626	986	1,487	2,161	1,301	526	277	211	246	269	332
29	397	620	936	1,431	2,120	1,348	510	277	212	246	278	322
30	418	-	962	1,535	2,244	1,296	519	277	225	241	275	337
31	433	-	975	-	2,241	-	482	274	-	246	-	344
TOTAL	11,537	15,287	23,287	37,670	59,428	56,057	24,316	10,909	6,988	7,289	7,987	9,704
MAXIMUM DAY	433	626	999	1,535	2,244	2,405	1,281	482	262	250	288	344
MINIMUM DAY	339	427	606	956	1,561	1,296	482	274	208	224	244	276
MEAN	372	541	751	1,256	1,917	1,869	784	352	233	235	266	313
TOTAL AC.FT.	22,883	30,321	46,189	74,717	117,874	111,187	48,230	21,638	13,860	14,458	15,842	19,248
WHOLE YEAR -	TOTAL,	270,459	MAX.,	2,405	MIN.,	208	MEAN,	740	TOTAL AC.FT.,	536,447		

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	17,585	510,320
1955	19,795	22,058	34,671	38,874	48,188	72,196	43,259	25,065	12,936	10,399	13,599	26,743	367,783
1956	41,377	40,326	62,779	49,291	94,887	115,428	124,007	99,489	52,088	42,294	16,990	16,534	755,500
1957	17,958	22,425	34,935	39,677	52,885	96,466	70,175	39,943	22,471	17,282	13,795	17,847	445,859
1958	19,137	28,175	42,125	78,472	131,421	181,305	187,890	143,722	61,519	49,825	25,085	18,825	967,511
1959	20,811	20,991	37,767	29,936	27,463	94,028	59,817	22,699	10,524	8,700	9,786	10,643	353,165
1960	12,516	17,405	24,044	25,041	47,986	81,481	38,991	26,386	13,154	10,483	13,803	12,798	324,088
1961	11,280	10,736	14,017	16,318	16,780	19,321	113,318	40,778	13,404	7,267	9,281	12,121	177,063
1962	13,121	27,435	44,838	95,445	87,187	112,437	113,318	40,778	26,164	22,623	12,448	12,064	607,848
1963	12,067	24,175	32,959	38,914	54,756	80,063	127,710	118,179	68,368	64,828	31,174	23,044	676,237
1964	20,356	21,152	28,532	27,485	28,451	76,268	71,078	31,323	10,989	8,852	14,259	22,879	361,624
1965	35,784	35,907	41,383	39,399	61,313	85,934	96,236	75,497	52,397	47,220	34,356	28,877	634,303
1966	29,978	22,752	50,933	44,634	37,289	67,486	68,338	51,110	19,535	14,739	15,265	82,447	504,508
1967	146,180	40,516	57,923	82,732	190,249	200,743	183,566	240,154	146,509	85,002	56,799	35,482	1,485,855
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	487,026
1969	50,499	106,247	237,265	378,817	332,015	374,787	263,903	221,738	121,359	102,494	90,523	34,122	2,313,789
1970	42,299	32,206	52,489	60,101	53,698	86,904	94,112	88,421	35,667	21,285	18,228	15,844	601,254
1971	25,978	35,520	48,589	30,809	31,950	82,128	64,643	31,579	23,520	12,184	12,839	17,169	442,651
1972	19,527	22,084	32,130	29,760	32,410	44,965	47,996	31,579	11,560	10,286	12,460	16,524	311,291
1973	21,356	26,214	38,878	66,541	97,172	143,554	161,028	102,660	47,883	29,457	24,811	25,579	785,133
1974	35,447	45,969	49,248	47,151	57,477	96,807	120,476	109,093	69,648	54,365	37,085	23,137	745,903
1975	21,221	34,844	45,041	38,444	57,142	95,197	108,932	89,738	34,139	17,072	15,108	15,213	572,091
1976	14,680	19,008	31,789	23,609	28,901	52,300	54,190	30,742	21,828	19,440	12,946	11,341	200,784
1977	14,051	14,380	15,925	18,778	17,431	25,813	32,951	21,888	8,765	7,660	8,287	14,773	200,702
1978	26,132	50,285	49,222	149,450	266,073	236,549	198,587	146,660	73,234	93,098	70,927	30,458	1,390,675
1979	32,549	31,793	45,903	46,508	62,557	109,987	126,343	107,605	32,267	22,792	18,855	18,909	656,068
1980	55,976	81,590	157,503	185,089	167,415	194,134	238,716	200,338	106,516	82,893	61,644	28,838	1,560,652
1981	25,482	27,013	40,594	41,768	46,348	78,405	80,906	51,310	14,315	14,324	18,426	21,578	460,469
1982	30,363	43,374	49,110	57,060	86,469	155,508	166,492	156,341	88,411	104,122	101,403	82,435	1,121,088
1983	57,566	71,165	152,862	286,605	370,706	419,760	387,505	176,194	153,814	117,233	97,616	90,549	2,381,575
1984	84,280	96,998	68,614	49,793	67,327	89,409	110,785	96,734	43,180	41,726	37,420	47,770	834,036
1985	40,133	48,686	53,821	56,358	72,506	98,757	111,385	77,728	34,973	25,305	20,333	28,986	688,971
1986	31,277	39,039	95,946	172,221	205,204	233,197	193,767	141,114	67,569	82,792	45,227	24,208	1,331,561
1987	24,117	28,919	43,408	44,894	43,609	68,424	73,047	42,545	18,589	15,824	14,269	14,664	432,309
1988	20,793	26,906	35,036	33,769	31,815	50,995	60,458	28,346	13,529	9,025	10,318	14,483	335,473
1989	16,869	21,568	32,092	38,575	39,632	56,527	55,765	36,204	14,241	12,773	10,788	13,739	348,773
1990	12,926	16,124	25,071	24,422	25,454	30,030	31,129	21,519	6,895	8,979	8,037	8,925	219,501
1991	10,627	9,112	27,814	28,937	30,539	62,997	63,654	48,196	12,490	11,353	13,381	14,394	333,494
1992	13,563	20,711	25,451	25,777	33,548	36,600	40,967	31,928	10,195	7,789	10,383	13,880	272,822
1993	22,062	25,426	52,479	45,489	63,322	107,357	118,677	88,671	51,846	34,725	14,021	18,264	642,339
1994	19,622	28,720	41,819	41,256	35,411	66,470	75,175	53,484	16,072	13,745	12,060	15,527	422,361
MAXIMUM	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
MINIMUM	10,627	9,112	14,017	16,318	16,780	19,321	25,222	21,316	6,885	7,267	8,037	8,925	177,063
AcFT TOTAL	1,224,902	1,404,609	2,144,494	2,752,323	3,387,681	4,530,146	4,452,677	3,297,494	1,678,333	1,390,591	1,097,910	1,013,283	28,354,433
AcFT AVERAGE	29,876	34,259	52,304	67,130	82,139	110,491	108,602	80,427	40,935	33,917	26,778	24,714	681,572
S.F.D. AVERAGE	486	611	851	1,128	1,336	1,857	1,766	1,308	688	552	450	402	855
% OF TOTAL	4.32%	4.95%	7.56%	9.71%	11.88%	15.98%	15.70%	11.63%	5.92%	4.91%	3.87%	3.57%	100.00%

Kern River Mean Regulated Flow at First Point of Measurement (1954 to Date)												Year: 1994		
DISCHARGE IN CUBIC FEET PER SECOND														
DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
1	437	520	780	959	1,258	1,478	1,867	1,512	866	645	465	406		
2	443	528	763	979	1,270	1,527	1,813	1,484	846	659	458	394		
3	443	534	766	984	1,265	1,592	1,819	1,506	827	648	458	397		
4	453	535	781	985	1,305	1,651	1,782	1,499	823	641	461	400		
5	455	532	775	994	1,305	1,689	1,810	1,517	795	633	464	415		
6	457	544	776	985	1,305	1,714	1,830	1,516	772	662	464	512		
7	463	540	792	1,008	1,236	1,755	1,847	1,473	751	626	456	428		
8	464	546	791	1,044	1,323	1,780	1,871	1,456	732	607	455	414		
9	455	662	787	1,080	1,329	1,797	1,874	1,476	713	608	456	402		
10	443	635	808	1,102	1,325	1,823	1,863	1,477	698	596	458	398		
11	437	585	829	1,118	1,313	1,842	1,841	1,465	686	573	470	389		
12	442	578	810	1,127	1,325	1,859	1,843	1,437	670	539	465	382		
13	454	593	830	1,126	1,319	1,872	1,839	1,415	666	539	468	365		
14	459	592	831	1,134	1,303	1,904	1,849	1,387	663	535	454	356		
15	458	612	853	1,160	1,282	1,910	1,844	1,369	658	524	451	362		
16	483	604	861	1,169	1,290	1,940	1,822	1,356	657	515	454	354		
17	481	598	870	1,172	1,291	1,998	1,785	1,329	650	503	460	359		
18	487	610	860	1,176	1,302	2,014	1,750	1,343	637	512	451	378		
19	487	619	857	1,194	1,317	2,026	1,745	1,315	626	513	452	376		
20	484	642	873	1,189	1,351	2,000	1,706	1,281	624	517	452	373		
21	483	648	890	1,184	1,363	2,009	1,740	1,246	626	520	453	375		
22	487	653	897	1,189	1,368	2,014	1,723	1,197	630	512	445	392		
23	499	669	905	1,199	1,375	1,988	1,720	1,178	635	512	432	408		
24	543	693	914	1,210	1,377	2,010	1,700	1,158	635	505	416	421		
25	566	690	910	1,216	1,379	1,998	1,679	1,128	632	506	432	422		
26	590	696	916	1,219	1,367	1,973	1,674	1,089	628	503	430	420		
27	575	709	926	1,234	1,377	1,898	1,663	1,064	624	498	427	433		
28	547	724	924	1,229	1,382	1,867	1,644	1,033	620	494	433	431		
29	526	707	913	1,231	1,408	1,898	1,627	991	634	495	428	427		
30	526	-	935	1,249	1,449	1,880	1,613	945	614	488	433	432		
31	536	-	947	-	1,494	-	1,570	906	-	472	-	439		
TOTAL	15,063	17,272	26,370	33,845	41,412	55,706	54,753	40,548	20,638	17,100	13,501	12,460		
MAX INSTAN.	3,331	8,280	5,691	7,394	6,675	7,576	7,327	4,694	3,103	7,000	2,275	9,289		
MIN INSTAN.	111	67	143	181	223	215	349	84	64	40	66	22		
MEAN	486	611	851	1,128	1,336	1,857	1,766	1,308	688	552	450	402		
TOTAL AC.FT.	29,876	34,259	52,304	67,130	82,139	110,491	108,602	80,427	40,935	33,917	26,778	24,714		
WHOLE YEAR:-	TOTAL,	348,668	MAX.,	9,289	MIN.,	22	MEAN,	955	TOTAL AC.FT.,	691,572				

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

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1949-50	0.05	0.65	1.32	1.37	2.60	1.02	0.44	0.00	0.00	0.23	0.11	0.21	8.00
1950-51	0.08	3.16	0.98	1.12	0.18	0.11	0.93	0.03	0.00	0.00	0.00	0.00	6.59
1951-52	0.35	0.47	4.77	5.52	0.37	3.26	1.20	0.00	0.00	0.00	0.00	0.11	14.97
1952-53	0.00	1.98	3.09	2.39	0.04	0.67	1.20	0.20	0.00	0.00	0.09	0.00	9.66
1953-54	0.13	0.90	0.78	1.88	2.26	2.13	0.06	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	16.58
1958-59	0.17	0.48	0.02	0.64	1.54	0.08	0.45	0.07	0.00	0.00	0.00	0.34	6.05
1959-60	0.00	0.00	0.97	1.77	6.48	0.43	1.28	0.34	0.00	0.00	0.00	0.00	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	0.10	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	0.13	0.03	0.00	0.01	0.00	7.63
1964-65	0.47	1.82	3.99	1.75	0.27	1.21	2.58	0.18	0.13	0.39	0.50	0.20	13.49
1965-66	0.00	2.76	2.37	0.66	0.75	0.22	0.00	0.00	0.00	0.00	0.80	0.00	7.56
1966-67	0.00	1.09	11.53	2.49	0.02	0.63	2.75	0.18	0.24	0.30	0.23	1.63	21.09
1967-68	0.00	1.41	1.85	0.82	0.85	1.55	0.77	0.01	0.00	0.01	0.11	0.00	7.38
1968-69	0.35	1.28	1.65	9.56	6.12	1.14	0.95	0.35	0.34	0.27	0.00	0.10	22.11
1969-70	0.07	0.56	0.24	3.91	0.54	1.89	0.43	0.00	0.00	0.02	0.01	0.00	7.67
1970-71	0.04	3.47	2.20	0.54	0.37	0.45	0.66	0.89	0.80	0.06	0.54	0.00	9.22
1971-72	0.05	0.47	3.04	3.04	0.39	0.00	0.25	0.05	0.00	0.00	0.34	0.00	5.54
1972-73	0.66	3.13	2.48	3.96	2.57	2.65	0.25	0.25	0.00	0.00	0.00	0.00	15.95
1973-74	0.11	1.26	1.25	2.75	0.09	2.00	1.95	0.39	0.00	0.78	0.00	0.00	10.58
1974-75	2.30	0.10	2.41	0.65	1.82	1.61	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	0.77	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	2.90	1.93	2.94	3.58	1.71	0.03	0.00	0.00	0.00	0.00	0.15	9.18
1985-86	0.10	2.27	1.43	2.65	2.03	3.58	0.10	0.00	0.00	0.38	0.00	0.27	14.65
1986-87	0.24	0.54	0.27	1.43	2.65	1.88	0.10	0.42	0.48	0.00	0.00	0.04	8.65
1987-88	0.62	0.87	1.36	1.80	0.40	1.41	1.41	0.50	0.05	0.51	0.00	0.62	10.46
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	7.76
1989-90	0.11	0.30	0.00	1.33	1.00	0.67	0.44	0.26	0.02	0.00	0.00	0.35	4.48
1990-91	0.01	0.61	0.74	0.99	1.17	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	2.80	4.09	4.15	0.79	0.00	0.00	0.64	0.00	0.00	0.00	13.41
1993-94	0.12	1.52	1.60	0.66	3.10	0.87	0.87	0.19	0.00	0.00	0.00	0.25	9.07
AVERAGE	0.34	1.18	1.87	2.30	1.98	1.67	0.71	0.22	0.09	0.13	0.18	0.36	11.02
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	2.85	5.20	2.15	3.40	1.72	1.45	0.75	0.50	0.88	1.01	3.09	
DATE OF OCCURRENCE	10/17/63	11/20/50	12/05/66	01/25/69	02/01/60	03/04/91	04/02/74	05/19/57	06/08/72	07/16/84	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	76.0	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	72.4	72.4	62.2	44.4	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	72.4	61.4	50.0	41.0	58.4
1975	43.1	43.6	45.7	47.4	60.7	71.2	75.9	73.6	72.4	57.6	48.7	45.1	56.9
1976	44.2	48.4	43.8	57.5	55.4	74.0	77.6	77.2	68.3	60.3	53.6	44.5	58.3
1977	44.3	46.1	53.1	50.9	60.4	71.7	76.7	72.6	70.0	62.3	51.1	47.3	59.0
1978	40.7	41.7	48.5	60.6	63.2	71.4	75.9	72.6	67.6	65.3	47.2	39.7	58.3
1979	47.5	49.1	46.5	54.8	57.7	66.8	77.8	74.0	69.2	61.8	50.0	48.4	59.1
1980	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
1981	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
1982	45.2	48.5	48.5	49.9	61.4	69.2	73.0	75.7	74.0	61.3	50.2	46.1	58.5
1983	47.0	46.6	51.4	52.6	67.3	70.6	80.9	78.2	65.1	55.7	48.3	41.9	59.6
1984	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
1985	49.7	49.0	53.5	54.9	63.5	73.7	75.7	78.6	64.1	58.2	51.0	43.0	59.6
1986	38.9	45.9	47.5	59.0	63.2	73.8	72.6	76.5	69.6	64.4	48.6	38.8	58.2
1987	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
1988	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
1989	42.5	42.6	50.7	57.9	61.7	71.9	80.1	69.6	62.7	62.7	49.4	37.4	58.5
1990	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
1991	43.4	49.2	52.4	62.5	71.7	73.3	81.9	81.3	74.5	64.8	51.3	42.0	62.1
1992	42.5	45.5	54.9	58.8	65.3	70.5	76.7	77.0	72.5	62.7	50.9	43.2	59.9
1993	46.5	45.6	54.7	58.1	66.8	79.6	86.8	85.5	76.7	64.8	48.0	46.1	63.3
1994	43.9	47.0	50.0	55.3	63.1	72.6	79.1	77.6	71.5	61.6	50.7	44.1	59.7
Normal Maximum	49.7	52.7	56.5	64.1	71.7	79.8	86.8	85.5	77.2	67.6	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	16,663
1961	315	319	419	780	1,158	2,178	2,204	1,200	930	647	329	168	10,647
1962	188	182	446	1,105	2,307	4,128	4,840	4,084	2,880	1,684	916	770	23,530
1963	684	930	1,523	1,577	3,503	5,534	8,202	6,696	4,136	2,289	1,172	962	37,218
1964	916	1,105	1,418	2,162	3,221	4,584	4,842	3,915	2,836	2,057	849	635	28,540
1965	595	857	1,053	1,368	3,251	4,757	5,986	5,397	4,169	3,098	1,103	656	32,290
1966	843	833	1,555	2,624	4,159	5,117	5,246	4,576	2,821	1,819	767	928	31,288
1967	970	1,071	1,874	1,700	3,931	5,960	8,805	8,051	4,574	3,578	1,597	744	42,855
1968	801	930	1,380	2,511	4,243	5,574	5,258	4,048	3,239	1,954	991	476	31,405
1969	494	668	1,511	1,886	4,334	6,486	8,916	9,046	5,911	3,560	1,968	980	45,760
1970	885	1,289	1,935	2,593	4,954	6,051	6,959	6,376	4,597	3,010	1,623	619	40,881
1971	700	990	1,836	2,277	3,181	5,337	6,227	5,233	3,678	2,370	1,304	545	33,678
1972	729	1,000	1,807	2,045	3,096	3,512	4,154	2,703	1,816	1,059	524	355	22,800
1973	434	496	760	1,738	4,009	7,698	9,126	7,109	5,530	3,564	1,981	966	43,411
1974	825	1,347	1,622	3,023	6,119	9,055	9,630	8,904	7,073	3,308	1,864	1,166	53,936
1975	1,174	1,002	1,476	2,162	4,911	8,206	8,936	7,488	4,887	2,957	1,845	1,125	46,169
1976	1,468	1,291	1,952	2,537	4,552	5,226	4,560	3,261	2,108	1,609	984	702	30,250
1977	466	700	968	1,761	1,765	3,289	3,757	2,495	1,795	1,216	726	428	19,366
1978	343	621	1,597	2,698	5,891	9,253	10,969	9,945	6,020	5,115	2,049	996	55,497
1979	1,069	954	1,896	3,701	6,337	9,080	9,535	7,242	5,710	3,306	1,866	1,246	51,942
1980	1,047	1,375	2,229	3,715	4,943	8,269	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	1,285	2,218	3,459	4,132	4,542	4,024	2,910	1,862	1,285	1,238	29,118
1993	970	1,081	1,365	2,888	5,185	7,057	9,080	8,063	5,808	3,652	2,291	1,139	48,579
1994	1,170	1,063	2,212	2,945	4,253	6,827	6,833	5,585	3,431	2,221	1,099	704	38,343
Average	789	908	1,483	2,347	4,075	5,954	6,707	5,645	3,921	2,513	1,335	825	36,511

**KERN RIVER IN REVIEW
1994**

Introduction

The 1994 water year marked the beginning of the 2nd century of Kern River water flow records. During the first 100 years of record, the Kern River mean annual discharge as gauged at First Point of Measurement was 992 cubic feet per second. Sixty-five years of flow record fell into the category of "below normal", while thirty-five years were classified as "above normal". The maximum annual volume of runoff occurred in 1916 with 2,520,149 acre-feet; the lowest yearly runoff was in 1961 with 177,642 acre-feet. The greatest single daily flow event occurred on December 6, 1966, at 80,029 cubic feet per second.

Kern River basin yield during the 1994 April through July snowmelt period was but 41% of the First Point average. Cumulative seasonal snowmelt during the years 1987-1994 was 53% of the long-term average, becoming the 2nd driest eight-year period on record, second only to the period of 1924-1931.

Precipitation

Monthly precipitation amounts in inches as recorded at selected Kern County stations during the 1993-1994 Water Year were as follows:

	Bakersfield-DWR (Elev. 403 ft.)			Isabella Dam (Elev. 2660 ft.)			Glennville (Elev. 3140 ft.)		
	<u>93-94</u>	<u>Ave.</u>	<u>% of Ave.</u>	<u>93-94</u>	<u>Ave.</u>	<u>% of Ave.</u>	<u>93-94</u>	<u>Ave.</u>	<u>% of Ave.</u>
Oct	0.17	0.30	57%	0.12	0.34	35%	0.44	0.79	56%
Nov	0.63	0.65	97%	1.52	1.18	129%	2.70	2.29	118%
Dec	0.50	0.65	77%	1.60	1.87	86%	2.57	2.70	95%
Jan	0.58	0.98	59%	0.66	2.30	29%	1.33	3.38	39%
Feb	1.12	1.07	105%	3.10	1.98	157%	4.03	2.87	140%
Mar	1.12	0.87	129%	0.76	1.67	46%	1.23	3.29	37%
Apr	1.20	0.70	171%	0.87	0.71	123%	2.95	1.87	158%
May	0.22	0.24	92%	0.19	0.22	86%	1.72	0.58	297%
Jun	0.00	0.07	0%	0.00	0.09	0%	0.00	0.16	0%
Jul	0.00	0.01	0%	0.00	0.13	0%	0.00	0.03	0%
Aug	0.00	0.05	0%	0.00	0.18	0%	0.00	0.18	0%
Sep	0.19	0.13	146%	0.25	0.36	69%	0.35	0.59	59%
TOTAL	5.73	5.72	100%	9.07	11.02	82%	17.32	18.73	92%

The initial storm activity of the 1993-94 water year occurred on October 10th, with .11 of precipitation measured at Isabella Dam headquarters. Weather patterns during the 1993-94 winter months were reminiscent to those of the 1987-1992 drought period, with minimal rain and snow activity over the southern Sierra Nevada mountain range. Perhaps the most devastating blow to the 1994 water year came during January 1994, when three promising storm systems jaunted the Kern River basin, leaving Lake Isabella with only 0.66 inches of precipitation; 29% of normal for the month.

The morning of February 3rd, 1994, a powerful Pacific storm system moved inland toward southern California, heralding the first of 6-storm periods throughout February. The February storm events contributed to nearly two-thirds of the 1993-1994 winter snowpack, yielding upwards of 200% of normal monthly precipitation on the Kern River watershed.

Temperature

Isabella, California 1994, mean air temperatures (°F) with comparative averages were as follows:

	<u>1994</u> <u>Actual</u>	<u>Normal</u>	<u>Variance</u> <u>from</u> <u>Norm</u>		<u>1994</u> <u>Actual</u>	<u>Normal</u>	<u>Variance</u> <u>from</u> <u>Norm</u>
Jan	46.5	43.9	+2.6	Jul	86.8	79.1	+7.7
Feb	45.6	47.0	- 1.4	Aug	85.5	77.6	+7.9
Mar	54.7	50.0	+4.7	Sep	76.7	71.5	+5.2
Apr	58.1	55.3	+2.8	Oct	64.8	61.6	+3.2
May	66.8	63.1	+3.7	Nov	48.0	50.7	- 2.7
Jun	79.6	72.6	+7.0	Dec	46.1	44.1	+2.0

The mean annual temperature at Isabella, California for 1994, was 63.3° Fahrenheit, 3.6° above normal, tying 1959 for the warmest year on record. Temperature extremes reached 108° during June and August with the low of 25° occurring in November and December, 1994. Averaging 84°, June through August 1994 was the warmest summer period on record, eclipsing the normal by nearly 8°. August 1994 mean air temperature of 85.5° was the warmest experienced in 39 years of record.

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, 1994, with April 1st historical average water contents of same shown for comparison:

	<u>Upper</u> <u>Tyndall</u> <u>Creek</u>	<u>Crabtree</u> <u>Meadow</u>	<u>Chagoopa</u> <u>Plateau</u>	<u>Pascoe</u>	<u>Wet</u> <u>Meadow</u>	<u>Tunnel</u> <u>Guard</u>	<u>Casa</u> <u>Vieja</u> <u>Meadow</u>	<u>Beach</u> <u>Meadows</u>
April 1, 1994	15.5	10.3	13.7	18.7	7.5	4.4	10.5	0.4
April 1, Average	27.7	19.8	21.8	24.9	30.3	15.6	20.9	11.0

Peak snowpack accumulation readings occurred on March 6, 1994, with less than 60% of normal water content for that date. Above normal temperatures in March contributed to low and intermediate elevation snowmelt, resulting in sharp reductions in water content levels; lending to a 55,000 acre-foot decrease in the April-July runoff forecast.

Forecasts

The State of California, Department of Water Resources, issued the following forecasts of Kern River runoff into Isabella Reservoir for the 1994 April-July snowmelt period:

February 1, 1994:	43% of average (200,000 acre-feet)
March 1, 1994:	56% of average (260,000 acre-feet)
April 1, 1994:	44% of average (205,000 acre-feet)
May 1, 1994:	44% of average (205,000 acre-feet)

Runoff

Actual 1994 April-July Kern River inflow to Isabella Reservoir was 192,031 acre-feet (42% of average). Peak natural flow occurred on May 15, 1994 at 1,686 cubic feet per second. Calendar year runoff at First Point of Measurement totaled 336,456 acre-feet, 47% of the long-term average and 63% of the historical median (536,447 acre-feet).

Storage

On January 1, 1994, Isabella Reservoir held 242,525 acre-feet of water. Peak storage volume for 1994 was reached on June 6th, with 262,332 acre-feet. As of year end, 115,585 acre-feet remained in Isabella, constituting 20% of the lake capacity and 78% of the 41-year average December 31st carryover storage volume of 148,559 acre-feet. The withdrawal of nearly 127,000 acre-feet of Lake Isabella storage during 1994 was a significant factor in minimizing water supply shortages during the 1994 summer irrigation season.

Operations

Kern River regulated flow during the 1994 calendar year amounted to 422,361 acre-feet, 61% of the 1954-1994 average regulated flow at First Point of Measurement of 691,572 acre-feet. Peak regulated flow occurred on July 9th, 1994, with a mean daily discharge of 1,353 cubic feet per second.

The total water yield of the Kern River basin and its surface storage reservoir in acre-feet during 1994 is summarized as follows:

Kern River Computed Natural Flow	336,456	+
Isabella Reservoir Storage Withdrawal	126,940	+
Isabella Reservoir Evaporation	38,343	-
Kern River Diversion Above First Point	2,692	-
Kern River Regulated Flow at First Point	422,361	=

The delivery of Kern River water to canal and conveyance facilities located below First Point of Measurement during 1994 was as follows:

<u>Delivery Point</u>	<u>Flow in Acre-Feet</u>
Beardsley Canal	168,748
Calloway Canal	22,829
Kern Island Canal	134,070
Eastside Canal	18,740
Stine Canal	7,541
Truxtun Lakes	932
Arvin-Edison Turnout	401
Buena Vista Canal	13,351
James Canal	0
Rosedale Channel	145
2800 Acre Recharge Facility	0
River Canal @ Alternate 2 nd Point	27,294
Seepage Loss (River & Carrier)	28,310

The Kern River channel below Rocky Point Weir was utilized during January and throughout the period of April through August 1994 for the conveyance of Kern River water to the Improvement District #4 Treatment Plant via the Calloway Canal, for purposes of groundwater replenishment along the Kern River bed and for distribution into the Carrier Canal below the Farmers-Stine-Anderson Weir.

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 intermittently between January and August of 1994, totalling 27,294 acre-feet. The maximum daily flow occurred on February 4th with a mean discharge of 280 cubic feet per second.

During the period of January 25, 1994 through February 28, 1994, the Kern County Water Agency delivered 16,692 acre-feet of State Project water into the 2800 Acre Recharge Facility through utilization of turnouts off the Cross Valley Canal. An additional 2,034 acre-feet was spread via the Pioneer Canal system through use of a siphon located along the CVC, west of pump plant #4.

Between June 8, 1994 and September 8, 1994, ten water wells owned by the City of Bakersfield and located within the 2800 Acre Recharge Facility were extensively operated, resulting in the recovery of 9,471 acre-feet of previously banked groundwater for purposes of City and Olcese Water District. The water produced from this well operation was discharged into the Kern River Canal for distribution below Second Point of Measurement. Major recipients of the 1994 groundwater recovery program included the Kern Delta Water District (1,023 AcFt), North Kern Water Storage District (2,668 AcFt), Cawelo Water District (2,668 AcFt), County of Kern (1,688 AcFt) and Olcese Water District (1,160 AcFt).

Year: 1994

Kern River at First Point of Measurement "Computed Natural"

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	287	287	522	671	798	1,455	548	234	146	310	187	247
2	289	292	541	680	787	1,458	495	226	139	259	170	255
3	284	366	577	696	785	1,463	462	219	134	256	168	272
4	280	398	626	674	816	1,411	439	222	133	275	169	256
5	277	421	659	643	884	1,331	423	225	142	298	180	254
6	290	406	953	595	949	1,211	426	229	144	315	198	242
7	289	457	736	570	939	1,137	423	233	144	315	216	253
8	302	469	695	575	877	1,076	425	229	132	319	222	242
9	302	453	641	593	815	1,096	416	226	128	300	231	227
10	306	386	629	589	836	1,141	384	231	124	278	220	224
11	290	392	638	566	936	1,201	361	235	122	255	206	241
12	291	358	626	536	1,152	1,174	347	237	121	241	191	257
13	291	338	602	551	1,392	1,118	345	223	128	221	185	260
14	295	327	577	607	1,571	1,063	338	212	143	209	189	258
15	286	359	603	671	1,686	1,013	329	196	154	215	188	262
16	292	422	664	756	1,474	943	329	192	157	227	193	248
17	294	484	703	807	1,340	838	313	193	157	226	248	246
18	308	510	715	877	1,155	767	315	194	154	229	231	238
19	297	537	704	964	1,034	718	317	197	156	220	207	247
20	308	500	687	1,074	960	703	325	185	152	218	201	249
21	296	496	675	1,161	919	682	324	173	147	206	217	247
22	295	451	654	1,228	897	673	312	158	148	209	230	242
23	414	466	646	1,129	913	637	290	148	148	211	225	242
24	440	477	618	1,025	1,002	604	260	151	153	215	230	249
25	365	500	574	989	1,085	587	244	153	144	207	244	309
26	338	504	545	931	1,177	578	246	152	145	212	366	286
27	306	508	524	872	1,250	575	244	149	143	200	228	268
28	312	509	502	824	1,305	582	237	144	144	199	234	257
29	308	-	506	800	1,360	567	232	149	168	192	240	247
30	309	-	530	784	1,378	564	231	148	378	200	229	250
31	306	-	585	-	1,420	-	242	156	-	210	-	243
TOTAL	9,547	12,073	19,457	23,438	33,892	28,346	10,622	6,019	4,528	7,447	6,443	7,818
MAXIMUM DAY	440	537	953	1,228	1,686	1,463	548	237	378	319	366	309
MINIMUM DAY	277	287	502	536	785	562	231	144	121	192	168	224
MEAN	308	431	628	781	1,093	945	343	194	151	240	215	252
TOTAL AC.FT.	18,936	23,946	38,592	46,489	67,224	56,223	21,068	11,939	8,981	14,771	12,780	15,507
WHOLE YEAR:-	TOTAL,	169,630	MAX.,	1,696	MIN.,	121	MEAN,	465	TOTAL AC.FT.,	336,456		

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

Year: 1994

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	215	214	349	512	686	1,410	425	180	112	295	179	218
2	215	213	377	564	678	1,395	402	175	116	223	187	214
3	215	217	398	599	701	1,543	370	169	112	201	186	212
4	215	233	453	594	735	1,565	351	165	113	186	184	217
5	216	233	453	546	850	1,346	332	155	111	257	169	220
6	214	221	509	526	892	1,232	312	153	113	278	189	212
7	212	243	492	515	811	1,096	302	152	113	260	200	212
8	208	318	466	494	779	966	292	147	111	263	198	194
9	210	274	459	484	729	947	279	145	110	254	195	178
10	204	260	467	465	704	1,016	272	146	112	245	193	191
11	201	265	480	443	782	1,111	264	153	112	236	193	199
12	202	239	446	445	1,053	1,156	261	154	113	223	166	197
13	203	241	424	462	1,456	1,165	252	144	116	215	174	210
14	207	242	441	516	1,685	1,028	246	138	121	210	178	193
15	208	244	484	586	1,830	981	240	139	123	206	173	196
16	208	249	519	678	1,593	878	237	139	121	201	179	196
17	202	312	529	741	1,287	745	230	134	117	204	187	207
18	203	326	532	745	1,127	645	239	137	117	206	198	198
19	206	289	537	833	976	610	253	132	117	201	168	197
20	208	316	509	1,000	854	595	255	127	116	199	179	199
21	207	284	494	1,150	797	595	237	125	117	199	216	196
22	202	289	495	1,185	783	575	247	124	119	190	207	196
23	238	303	475	1,090	849	554	260	124	121	188	190	203
24	258	316	443	988	980	517	243	124	121	188	192	209
25	243	342	417	869	1,060	487	227	121	124	188	201	234
26	228	364	392	785	1,168	470	219	113	122	193	230	219
27	226	359	376	724	1,251	446	210	118	132	202	202	209
28	219	350	382	687	1,314	438	202	116	132	199	210	212
29	208	-	391	675	1,381	452	191	119	169	196	219	210
30	215	-	406	689	1,393	448	188	116	459	177	219	199
31	216	-	477	-	1,437	-	188	110	-	177	-	195
TOTAL	6,632	7,756	14,072	20,590	32,621	26,412	8,226	4,294	3,912	6,660	5,761	6,342
MAXIMUM DAY	258	364	537	1,185	1,830	1,565	425	180	459	295	230	234
MINIMUM DAY	201	213	349	443	678	438	188	110	110	177	166	178
MEAN	214	277	454	686	1,052	880	265	139	130	215	192	205
TOTAL AC.FT.	13,154	15,384	27,911	40,840	64,703	52,387	16,316	8,517	7,759	13,210	11,427	12,579
WHOLE YEAR--	TOTAL	143,278	MAX.,	1,830	MIN.,	110	MEAN,	393	TOTAL AC.FT.,	284,187		

Year: 1994

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	279	550	855	637	457	884	1,284	1,179	444	196	213	223
2	295	665	935	576	445	839	1,303	1,204	438	232	210	244
3	303	710	971	612	433	974	1,301	1,200	421	223	199	244
4	303	713	988	685	468	989	1,296	1,161	409	227	180	246
5	304	653	968	697	588	1,005	1,244	1,132	406	237	185	247
6	301	633	909	742	630	1,051	1,229	1,125	405	230	174	248
7	292	557	734	777	487	1,118	1,272	1,158	352	228	182	251
8	291	413	700	753	441	1,213	1,324	1,167	338	223	211	265
9	289	375	639	688	464	1,246	1,353	1,186	356	221	201	267
10	289	364	631	598	477	1,287	1,341	1,183	306	215	220	277
11	286	381	594	593	433	1,237	1,312	1,157	278	223	230	279
12	283	384	558	578	464	1,222	1,293	1,089	243	227	209	293
13	282	354	555	583	527	1,198	1,319	972	236	220	180	286
14	285	356	588	717	575	1,244	1,305	947	232	213	175	283
15	288	356	658	742	581	1,312	1,277	981	248	223	170	275
16	296	406	686	729	580	1,273	1,261	970	204	222	176	252
17	298	413	633	764	564	1,246	1,252	942	193	222	188	242
18	300	429	582	811	518	1,200	1,259	856	199	217	181	246
19	302	423	557	843	546	1,186	1,281	725	203	231	184	231
20	302	446	588	866	607	1,221	1,255	663	251	230	188	216
21	300	541	645	851	423	1,271	1,192	577	243	227	193	231
22	297	589	671	789	433	1,259	1,154	557	223	220	213	232
23	363	600	597	724	455	1,210	1,071	597	210	221	221	245
24	456	588	552	710	514	1,180	1,032	659	190	220	227	247
25	428	579	520	742	668	1,147	1,069	640	166	222	243	257
26	347	583	505	714	753	1,126	1,102	608	156	233	259	266
27	349	676	499	624	774	1,149	1,050	510	149	231	235	262
28	330	743	582	608	788	1,185	1,094	446	192	219	209	248
29	324	-	679	569	872	1,262	1,141	463	196	226	214	254
30	366	-	760	478	958	1,290	1,100	452	216	228	210	236
31	465	-	745	-	930	-	1,135	459	-	223	-	235
TOTAL	9,893	14,480	21,084	20,800	17,853	35,024	37,901	26,965	8,103	6,930	6,080	7,828
MAXIMUM INSTAN.	517	830	1,019	903	1,137	1,339	1,710	1,345	477	243	272	308
MINIMUM INSTAN.	218	311	374	461	390	801	807	436	126	158	154	208
MEAN	319	517	680	693	576	1,167	1,223	870	270	224	203	253
TOTAL AC.FT.	19,622	28,720	41,819	41,256	35,411	69,470	75,175	53,484	16,072	13,745	12,060	15,527
WHOLE YEAR--	TOTAL,	212,941	MAX.,	1,710	MIN.,	126	MEAN,	583	TOTAL AC.FT.,	422,361		

Year: 1994

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	194	0	0	93	0	50	203	0	0	0	0
2	0	247	0	0	107	0	54	211	0	0	0	0
3	0	278	0	0	98	0	72	221	0	0	0	0
4	0	280	0	0	77	0	72	228	0	0	0	0
5	0	257	0	0	56	0	49	216	0	0	0	0
6	0	259	0	0	28	0	66	218	0	0	0	0
7	0	194	0	0	36	46	79	234	0	0	0	0
8	0	23	0	0	35	95	81	241	0	0	0	0
9	0	0	0	0	45	98	68	219	0	0	0	0
10	0	0	0	35	39	189	61	226	0	0	0	0
11	0	0	0	43	35	193	55	226	0	0	0	0
12	0	0	0	28	17	193	18	235	0	0	0	0
13	0	0	0	17	17	189	48	224	0	0	0	0
14	0	0	0	31	34	191	42	195	0	0	0	0
15	0	0	0	43	36	232	55	182	0	0	0	0
16	0	0	0	49	17	227	64	200	0	0	0	0
17	0	0	0	60	0	192	64	212	0	0	0	0
18	0	0	0	50	0	164	65	66	0	0	0	0
19	0	0	0	48	0	143	68	0	0	0	0	0
20	0	0	0	47	11	128	87	0	0	0	0	0
21	0	0	0	39	29	146	71	0	0	0	0	0
22	0	0	0	41	8	126	74	0	0	0	0	0
23	98	0	0	71	0	117	59	0	0	0	0	0
24	226	0	0	63	0	118	63	0	0	0	0	0
25	134	0	0	100	0	89	66	0	0	0	0	0
26	53	0	0	120	0	98	75	0	0	0	0	0
27	0	0	0	109	0	79	55	0	0	0	0	0
28	0	0	0	83	0	38	101	0	0	0	0	0
29	0	-	0	99	0	15	186	0	0	0	0	0
30	26	-	0	100	0	35	197	0	0	0	0	0
31	130	-	0	-	0	-	205	0	-	-	-	0
TOTAL	667	1,732	0	1,276	818	3,141	2,370	3,757	0	0	0	0
MAXIMUM DAY	226	280	0	120	107	232	205	241	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	18	0	0	0	0	0
MEAN	22	62	0	43	26	105	76	121	0	0	0	0
TOTAL AC.FT.	1,323	3,435	0	2,531	1,622	6,230	4,701	7,452	0	0	0	0
WHOLE YEAR--	TOTAL,	13,761	MAX.,	280	MIN.,	0	MEAN,	38	TOTAL AC.FT.,	27,294		

Year: 1994

2800 Acre Well Water Production Conveyed via Kern River Canal

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	62	59	34	0	0	0
2	0	0	0	0	0	0	61	62	34	0	0	0
3	0	0	0	0	0	0	61	63	34	0	0	0
4	0	0	0	0	0	0	58	63	34	0	0	0
5	0	0	0	0	0	0	59	63	34	0	0	0
6	0	0	0	0	0	0	62	63	34	0	0	0
7	0	0	0	0	0	0	64	63	34	0	0	0
8	0	0	0	0	0	39	61	54	12	0	0	0
9	0	0	0	0	0	62	58	34	0	0	0	0
10	0	0	0	0	0	62	59	34	0	0	0	0
11	0	0	0	0	0	66	62	34	0	0	0	0
12	0	0	0	0	0	67	64	34	0	0	0	0
13	0	0	0	0	0	67	64	33	0	0	0	0
14	0	0	0	0	0	67	64	27	0	0	0	0
15	0	0	0	0	0	66	60	30	0	0	0	0
16	0	0	0	0	0	66	62	33	0	0	0	0
17	0	0	0	0	0	66	63	33	0	0	0	0
18	0	0	0	0	0	65	62	34	0	0	0	0
19	0	0	0	0	0	65	60	34	0	0	0	0
20	0	0	0	0	0	65	60	34	0	0	0	0
21	0	0	0	0	0	64	58	34	0	0	0	0
22	0	0	0	0	0	64	58	34	0	0	0	0
23	0	0	0	0	0	64	57	34	0	0	0	0
24	0	0	0	0	0	64	56	34	0	0	0	0
25	0	0	0	0	0	64	56	34	0	0	0	0
26	0	0	0	0	0	62	51	34	0	0	0	0
27	0	0	0	0	0	60	50	34	0	0	0	0
28	0	0	0	0	0	62	50	34	0	0	0	0
29	0	-	0	0	0	64	50	34	0	0	0	0
30	0	-	0	0	0	63	50	34	0	0	0	0
31	0	-	0	-	0	-	51	34	-	0	-	0
TOTAL	0	0	0	0	0	1,454	1,813	1,258	250	0	0	0
MAXIMUM DAY	0	0	0	0	0	67	64	63	34	0	0	0
MINIMUM DAY	0	0	0	0	0	0	50	27	0	0	0	0
MEAN	0	0	0	0	0	48	58	41	8	0	0	0
TOTAL AC.FT.	0	0	0	0	0	2,885	3,596	2,495	495	0	0	0
WHOLE YEAR:-	TOTAL,	4,775	MAX.,	67	MIN.,	0	MEAN,	13	TOTAL AC.FT.,	9,471		

Year: 1994

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	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	0	0	0	0	0	0	0	0	0	0	0
	TOTAL,	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

Quantities in acre-feet

Year: 1994

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista W.S.D. Entitlement	0	0	6,409	9,110	15,517	12,206	1,133	0	0	0	0	0	44,375
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	113	438	740	587	52	0	0	0	0	0	1,930
Kern Island (1-st)	17,637	16,576	18,054	17,851	18,446	17,851	17,298	11,263	8,193	14,063	12,015	14,831	184,078
Eastside													
Kern River Conduit			13,340	14,493	18,093	15,506	1,909						63,341
Castro	38	248		34	89	60			8	8	8		493
KCC & W Co.	97	677		77	216	146			26	24	24		1,287
South Fork	71	486		56	163	107			18		18		919
Buena Vista (1-st)	357	3,142		438	1,226	825			81		60		6,129
James (1-st)	60	2,194		662	1,851	1,236							6,003
Anderson (1-st)		12		111	305	206							634
Stine				829	2,305	1,544							4,678
Meacham				167	454	307							928
Farmers				759	2,215	1,516							4,490
Plunket				165	526	395							1,086
Joyce				153	474	389							1,016
Johnson				131	428	379							938
Pioneer				282	1,259	1,077							2,618
Beardsley (1-st)				54	502	337							893
Lerdo (NKWSD)													
Anderson (2-nd)				6	75	52							133
James & Dixon				18	294	155							467
Wilson					39	20							59
KCC & W Co.					36	20							56
McCaffrey					175	97							272
McCord: Lerdo 30%					173	99							272
Beardsley 70%					409	239							648
Calloway: Central 20%					108	44							152
NKWSD 80%					430	168							598
Railroad: KCC & W Co. 20%													0
NKWSD 80%													0
Buena Vista (2-nd)													0
James (2-nd)													0
Pioneer (2-nd)													0
Beardsley (3-rd)													0
Kern Island (2-nd)													0
Computed Loss	676	611	676	655	676	655	676	676	655	676	655	676	7,963
Total 1st Point Group Entitlement	18,936	23,946	32,183	37,379	51,707	44,017	19,935	11,939	8,981	14,771	12,780	15,507	292,081

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

Year: 1994

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FIRST POINT REGULATED FLOW	19,622	28,720	41,819	41,256	35,411	69,470	75,175	53,484	16,072	13,745	12,060	15,527	422,361
BEARDSLEY CANAL	5,613	13,283	18,248	17,672	11,635	25,659	31,678	21,190	6,543	8,281	6,720	2,226	168,748
CALLOWAY CANAL	960	0	2,580	2,920	2,982	3,475	4,502	4,143	1,267	0	0	0	22,829
KERN ISLAND CANAL	6,774	8,110	13,898	11,290	12,171	20,428	22,139	15,933	5,962	4,788	4,685	7,892	134,070
EASTSIDE CANAL	490	795	1,728	2,279	2,547	3,356	3,564	2,658	1,323	0	0	0	18,740
STINE CANAL	0	0	0	228	105	4,259	2,949	0	0	0	0	0	7,541
TRUXTUN LAKES	0	0	230	131	246	0	206	119	0	0	0	0	932
ARVIN-EDISON TURNOUT	0	0	0	0	0	0	0	0	0	0	0	401	401
BUENA VISTA CANAL	442	1,535	2,323	1,797	1,208	3,283	1,989	0	0	0	0	774	13,351
JAMES CANAL	0	0	0	0	0	0	0	0	0	0	0	0	0
ROSDALE CHANNEL	0	0	0	0	0	0	0	0	0	0	0	145	145
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	792	757	763	807	514	985	1,098	498	0	0	0	456	6,670
RIVER LOSS & SPREADING	3,228	805	2,049	1,601	2,381	1,795	2,349	1,491	977	676	655	3,633	21,640
FIRST POINT GROUP TOTAL FLOW	18,299	25,285	41,819	38,725	33,789	63,240	70,474	46,032	16,072	13,745	12,060	15,527	395,067
SECOND POINT TOTAL FLOW	1,323	3,435	0	2,531	1,622	6,230	4,701	7,452	0	0	0	0	27,294

1994 Summary of Kern River Water
Diversions by Entity

(Acre-Feet)

<u>Area of Use</u>	<u>Diverted</u>
 <u>Above First Point</u>	
Kern Valley Golf Course	186
La Hacienda, Inc.	131
Olcese WD	1,583
Glen Grundeis	2
Lake Ming	790
 Sub-total	 2,692
 <u>Below First Point</u>	
Arvin-Edison WSD	401
Buena Vista WSD	24,634
Cawelo WD	50,090
City of Bakersfield, Irrigation and Spreading (1)	38,606
Improvement District No. 4	25,723
Kern Delta WD	175,390
North Kern WSD	105,741
Rosedale Ranch Improvement District	659
Rosedale Rio Bravo WSD	145
South Fork	972
 Sub-total	 422,361
 Grand Total	 425,053

(1) Includes Kern River Canal & Irrigating Company, Truxtun Lakes, Carrier Canal loss and percolation and Kern River channel loss and percolation.

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

Year: 1994

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	2,500	7,995	11,942	14,237	16,322	11,828	4,619	155	1,607	2,500	2,500	2,500	78,705
Buena Vista	1,500	2,325	1,307	301	605	432	178	0	10	10	393	389	7,450
Stine	448	446	442	761	2,538	1,646	255	243	233	227	225	223	7,687
Farmers	0	0	0	694	2,306	1,428	192	0	0	0	0	0	4,620
KERN DELTA WD TOTAL	4,448	10,766	13,691	15,993	21,771	15,334	5,244	398	1,850	2,737	3,118	3,112	98,462
City of Bakersfield	16,387	16,583	21,493	27,372	34,685	33,053	15,908	743	223	240	272	413	167,372
Kern River Canal & Irr. Co.	5,074	4,709	3,386	1,984	1,643	0	0	0	0	0	0	0	16,796
South Fork	600	831	780	780	865	742	484	288	250	250	393	399	6,662
CITY OF BAKERSFIELD TOTAL	22,061	22,123	25,659	30,136	37,193	33,795	16,392	1,031	473	490	665	812	190,830
NORTH KERN WSD	111,060	105,528	91,388	80,606	83,244	78,462	64,481	62,027	58,276	56,928	56,211	55,501	903,712
TOTAL 1ST POINT STORAGE	137,569	138,417	130,738	126,735	142,208	127,591	86,117	63,456	60,599	60,155	59,994	59,425	1,193,004

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: 1994

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	17,994	19,718	18,054	19,877	24,192	21,736	17,298	11,263	8,274	14,063	12,075	14,831	199,375
Release	(9,941)	(4,072)	(551)	(1,221)	(2,151)	0	0	0	(320)	(8,324)	(6,976)	(5,786)	(39,342)
Entitlement + or - Releases	= 8,053	15,646	17,503	18,656	22,041	21,736	17,298	11,263	7,954	5,739	5,099	9,045	160,033
Into Isabella Storage	232	6,422	4,631	4,373	7,672	1,511	0	155	1,619	951	414	258	28,238
From Isabella Storage	0	60	1,569	1,863	1,507	7,348	9,681	4,932	137	0	0	238	27,335
From City of Bakersfield	333	0	0	0	0	0	0	188	0	0	0	300	821
From Buena Vista WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
To City of Bakersfield	333	0	0	0	0	0	0	188	0	0	0	300	821
Storage Transfer/Exch.	0	0	0	0	0	0	0	(8)	0	0	0	0	(8)
Carrier Canal Loss	619	502	0	0	0	0	0	0	0	0	0	79	1,200
To North Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Via Cawelo Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	(343)	0	0	0	0	0	0	0	(343)
Diverted at Heads of Canals	= 7,202	8,782	14,441	16,146	15,533	27,573	26,979	16,032	6,472	4,788	4,685	8,946	157,579
From Cawelo Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
From North Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Utility Supply	= 7,202	8,782	14,441	16,146	15,533	27,573	26,979	16,032	6,472	4,788	4,685	8,946	157,579
Utility Deliveries	4,261	5,451	9,396	12,412	10,805	18,917	20,093	11,260	3,666	2,161	772	5,722	104,916
Contract Deliveries	94	385	846	385	471	672	350	463	407	299	199	417	4,988
Total Irrigation Deliveries	- 4,355	5,836	10,242	12,797	11,276	19,589	20,443	11,723	4,073	2,460	971	6,139	109,904
Canal Conveyance Losses	= 2,847	2,946	4,199	3,349	4,257	7,984	6,536	4,309	2,399	2,328	3,714	2,807	47,675
Delivery Percentage	60%	66%	71%	79%	73%	71%	76%	73%	63%	51%	21%	69%	70%

Reservoir Evaporation Loss	24	44	137	208	387	600	409	69	30	64	33	26	2,031
End of Month Reservoir Storage	4,448	10,766	13,691	15,993	21,771	15,334	5,244	398	1,850	2,737	3,118	3,112	

Year: 1994

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	20	87	360	282	53	332	359	355	130	111	43	140
2	57	105	377	259	55	337	377	355	135	99	40	144
3	106	106	375	248	75	379	359	363	137	104	61	133
4	110	107	377	267	127	392	343	353	135	95	102	151
5	121	98	309	256	212	387	350	350	137	90	96	187
6	137	97	249	259	215	374	328	358	126	86	104	202
7	147	97	253	261	193	358	339	354	107	76	122	219
8	150	93	254	239	211	370	375	347	103	67	122	251
9	138	94	199	230	196	372	405	381	125	55	107	244
10	146	103	185	131	159	345	390	398	109	53	71	244
11	151	105	180	124	110	283	367	365	111	63	73	248
12	155	104	178	109	116	285	364	316	108	59	65	260
13	168	113	168	126	163	277	390	271	104	59	61	254
14	165	123	177	195	176	317	393	284	98	57	50	251
15	153	107	197	197	176	358	359	328	95	48	42	244
16	144	93	238	178	184	342	336	320	57	53	46	220
17	141	87	206	194	190	344	345	281	60	50	52	182
18	148	130	205	240	162	358	368	267	69	55	52	121
19	155	150	198	258	152	365	377	253	79	78	56	54
20	135	148	192	260	138	387	365	194	135	81	69	38
21	118	182	205	245	124	385	352	143	132	92	75	35
22	96	217	163	216	137	334	349	142	113	92	91	35
23	65	229	152	191	174	311	336	158	94	86	76	35
24	51	238	158	166	226	314	315	177	86	95	104	25
25	85	258	138	170	342	314	344	154	55	127	95	22
26	83	259	134	147	355	318	355	152	40	135	97	37
27	77	262	125	64	342	321	347	129	48	129	92	38
28	86	297	191	66	311	337	376	119	74	67	93	26
29	99	-	246	57	333	351	383	121	86	52	101	33
30	93	-	312	57	366	352	359	126	118	54	104	31
31	83	-	306	-	363	-	357	119	-	46	-	26
TOTAL	3,583	4,089	7,007	5,692	6,136	10,299	11,162	8,033	3,006	2,414	2,362	4,130
MAXIMUM DAY	168	297	377	282	366	392	405	398	137	135	122	260
MINIMUM DAY	20	87	125	57	53	277	315	119	40	46	40	22
MEAN	116	146	226	190	198	343	360	259	100	78	79	133
TOTAL AC.FT.	7,107	8,110	13,898	11,290	12,171	20,428	22,139	15,933	5,962	4,788	4,685	8,192
WHOLE YEAR-	TOTAL	67,913	MAX.,	405	MIN.,	20	MEAN,	186	TOTAL AC.FT.,	134,703		

Quantities in acre-feet

KERN DELTA WATER DISTRICT
KERN ISLAND CANAL SERVICE AREA

Year: 1994

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	+ 17,637	16,576	18,054	17,851	18,446	17,851	17,298	11,263	8,193	14,063	12,015	14,831	184,078
Release	- 10,954	3,818	551	1,350	1,695	0	0	0	249	8,324	7,299	6,639	40,879
Entitlement + or - Releases	= 6,683	12,758	17,503	16,501	16,751	17,851	17,298	11,263	7,944	5,739	4,716	8,192	143,199
Into Storage	- 14	5,525	4,631	2,725	3,753	56	0	155	1,609	951	31	258	19,708
From Storage	+ 0	0	575	234	1,343	4,122	6,866	4,564	137	0	0	238	18,079
From City of Bakersfield	+ 333	0	0	0	0	0	0	188	0	0	0	300	821
Carrier Canal Loss	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	+/- 0	0	0	0	(290)	0	0	(4)	0	0	0	0	(294)
Eastside Canal Entitlement	- 0	0	889	1,989	2,249	3,019	3,007	1,230	0	0	0	0	12,383
Via Eastside (A-EWSD State Payback)	- 0	0	0	0	0	0	0	0	569	0	0	0	569
To City of Bakersfield	- 333	0	0	0	0	0	0	188	0	0	0	300	821
Diverted at Head	= 6,669	7,233	12,558	12,021	11,802	18,898	21,157	14,438	5,903	4,788	4,685	8,172	128,324
From Arvin-Edison WSD	+ 0	0	0	0	0	0	0	0	569	0	0	0	569
Total Utility Supply	= 6,669	7,233	12,558	12,021	11,802	18,898	21,157	14,438	6,472	4,788	4,685	8,172	128,893
Utility Deliveries	4,072	4,441	8,146	9,195	8,044	13,184	16,081	9,980	3,666	2,161	772	5,214	84,956
Contract Deliveries	94	385	830	264	369	665	334	459	407	299	199	417	4,722
Total Irrigation Deliveries	- 4,166	4,826	8,976	9,459	8,413	13,849	16,415	10,439	4,073	2,460	971	5,631	89,678
Canal Conveyance Losses	= 2,503	2,407	3,582	2,562	3,389	5,049	4,742	3,999	2,399	2,328	3,714	2,541	39,215
Delivery Percentage	62%	67%	71%	79%	71%	73%	78%	72%	63%	51%	21%	69%	70%
Into Reservoir Storage	14	5,525	4,631	2,725	3,753	56	0	155	1,609	951	31	258	19,708
Reservoir Evaporation Loss	14	30	109	196	325	428	343	55	20	58	31	20	1,629
From Reservoir Storage	0	0	575	234	1,343	4,122	6,866	4,564	137	0	0	238	18,079
End of Month Reservoir Storage	2,500	7,995	11,942	14,237	16,322	11,828	4,619	155	1,607	2,500	2,500	2,500	
State Exchange Diverted	303	639	742	291	214	498	789	1,009	19	0	0	0	4,504
State Exchange Delivered	303	639	742	291	214	498	789	1,009	19	0	0	0	4,504
2800 Acre Well Water Diverted	0	0	0	0	0	4	20	719	0	0	0	0	743
2800 Acre Well Water Delivered	0	0	0	0	0	4	20	719	0	0	0	0	743

KERN ISLAND CANAL
ENTITLEMENT AND DIVERSION OF CONTRACT WATER
BALFOUR - GUTHRIE CONTRACT

Year: 1994

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	16,661	18,424	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,165
Actual	17,637	16,576	18,054	17,851	18,446	17,851	17,298	11,263	8,193	14,063	12,015	14,831	184,078
Maximum Percentage	95.61%	99.49%	97.99%	100.00%	100.00%	100.00%	93.78%	61.06%	45.90%	76.24%	67.31%	80.40%	

CONTRACT ENTITLEMENT:

Maximum	269	242	269	260	269	260	269	269	260	269	260	--	2,896
Actual	257	241	264	260	269	260	252	164	119	205	175	--	2,466
Sum to Date	257	498	762	1,022	1,291	1,551	1,803	1,967	2,086	2,291	2,466	2,466	

CONTRACT DIVERTED:

For Month	17	168	625	77	170	461	149	222	8	0	89	0	1,986
To Date	17	185	810	887	1,057	1,518	1,667	1,889	1,897	1,897	1,986	1,986	

UNUSED ENTITLEMENT:

For Month	240	73	(361)	183	99	(201)	103	(58)	111	205	86	0	480
Sum to Date	240	313	(48)	135	234	33	136	78	189	394	480	480	

KERN ISLAND CANAL
ENTITLEMENT AND DIVERSION OF CONTRACT WATER
BLOOMFIELD CONTRACT

Year: 1994

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	16,661	18,424	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,165
Actual	17,637	16,576	18,054	17,851	18,446	17,851	17,298	11,263	8,193	14,063	12,015	14,831	184,078
Maximum Percentage	95.61%	99.49%	97.99%	100.00%	100.00%	100.00%	93.78%	61.06%	45.90%	76.24%	67.31%	80.40%	

CONTRACT ENTITLEMENT:

Maximum	336	303	336	325	336	325	336	336	325	336	325	--	3,619
Actual	321	301	329	325	336	325	315	205	149	256	219	--	3,081
Sum to Date	321	622	951	1,276	1,612	1,937	2,252	2,457	2,606	2,862	3,081	3,081	

CONTRACT DIVERTED:

For Month	77	217	205	187	199	204	185	237	399	299	110	417	2,736
To Date	77	294	499	686	885	1,089	1,274	1,511	1,910	2,209	2,319	2,736	

UNUSED ENTITLEMENT:

For Month	244	84	124	138	137	121	130	(32)	(250)	(43)	109	(417)	345
Sum to Date	244	328	452	590	727	848	978	946	696	653	762	345	

Year: 1994

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	6	14	37	32	24	45	59	58	26	0	0	0
2	6	16	38	25	35	40	55	60	21	0	0	0
3	7	7	39	35	46	47	52	58	17	0	0	0
4	11	12	36	41	48	53	50	45	17	0	0	0
5	13	12	11	42	49	54	51	44	17	0	0	0
6	10	11	7	47	34	61	53	42	18	0	0	0
7	10	13	20	38	6	62	54	47	19	0	0	0
8	6	13	21	29	22	66	54	56	24	0	0	0
9	6	13	22	20	40	65	53	60	26	0	0	0
10	10	11	22	21	43	55	57	64	26	0	0	0
11	13	5	22	26	46	52	64	63	26	0	0	0
12	12	5	22	41	49	54	69	62	27	0	0	0
13	10	6	22	51	50	63	72	55	29	0	0	0
14	9	16	27	52	47	64	71	51	32	0	0	0
15	5	16	34	48	45	59	68	43	34	0	0	0
16	5	13	36	38	54	58	64	42	23	0	0	0
17	7	12	33	40	53	56	58	46	14	0	0	0
18	10	9	30	52	51	49	59	46	13	0	0	0
19	10	7	29	54	46	50	57	39	19	0	0	0
20	12	8	31	56	32	57	60	40	20	0	0	0
21	15	12	32	63	29	60	60	39	22	0	0	0
22	11	16	32	63	32	62	61	37	23	0	0	0
23	13	19	35	51	45	68	49	35	20	0	0	0
24	6	21	28	50	50	58	53	34	16	0	0	0
25	16	24	25	48	44	53	58	32	15	0	0	0
26	12	27	21	29	44	52	58	23	18	0	0	0
27	11	30	24	10	39	53	59	17	26	0	0	0
28	9	33	32	16	41	55	58	19	31	0	0	0
29	4	-	36	16	45	61	55	24	31	0	0	0
30	9	-	33	15	46	60	53	29	17	0	0	0
31	11	-	34	-	49	-	53	30	-	0	-	0
TOTAL	295	401	871	1,149	1,284	1,692	1,797	1,340	667	0	0	0
MAXIMUM DAY	16	33	39	63	54	68	72	64	34	0	0	0
MINIMUM DAY	4	5	7	10	6	40	49	17	13	0	0	0
MEAN	10	14	28	38	41	56	58	43	22	0	0	0
TOTAL AC.FT.	585	795	1,728	2,279	2,547	3,356	3,564	2,658	1,323	0	0	0
WHOLE YEAR:-	TOTAL,	9,496	MAX.,	72	MIN.,	0	MEAN,	26	TOTAL AC.FT.,	18,835		

City of Bakersfield Diverted to Kern Delta Water District
via Eastside Canal Headgate
(Non-Kern River)

Year: 1994

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	3	0	0	0	0	0	0	0	0	0	0	0
4	4	0	0	0	0	0	0	0	0	0	0	0
5	3	0	0	0	0	0	0	0	0	0	0	0
6	4	0	0	0	0	0	0	0	0	0	0	0
7	4	0	0	0	0	0	0	0	0	0	0	0
8	4	0	0	0	0	0	0	0	0	0	0	0
9	4	0	0	0	0	0	0	0	0	0	0	0
10	3	0	0	0	0	0	0	0	0	0	0	0
11	4	0	0	0	0	0	0	0	0	0	0	0
12	4	0	0	0	0	0	0	0	0	0	0	0
13	4	0	0	0	0	0	0	0	0	0	0	0
14	3	0	0	0	0	0	0	0	0	0	0	0
15	4	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	48	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	4	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	2	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	95	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR-- TOTAL,	48	MAX.,	4	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	95			

KERN DELTA WATER DISTRICT
EASTSIDE CANAL SERVICE AREA

Year: 1994

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	0	0	889	1,989	2,249	3,019	3,007	1,230	0	0	0	0	12,383
Total River Diverted	0	0	889	1,989	2,249	3,019	3,007	1,230	0	0	0	0	12,383
State Exchange Diverted	490	795	839	290	238	234	476	1,398	754	0	0	0	5,514
City of Bksid. Non-Kern River	95	0	0	0	0	0	0	0	0	0	0	0	95
2800 Acre Well Water Diverted	0	0	0	0	60	103	81	30	0	0	0	0	274
A-EWSD State Water Payback	0	0	0	0	0	0	0	0	569	0	0	0	569
Total State/Other Diverted	585	795	839	290	298	337	557	1,428	1,323	0	0	0	6,452
Eastside Canal at Head	585	795	1,728	2,279	2,547	3,356	3,564	2,658	1,323	0	0	0	18,835
Utility Deliveries	0	0	702	1,655	1,844	2,568	2,498	989	0	0	0	0	10,256
Contract Deliveries	0	0	16	121	102	7	16	4	0	0	0	0	266
Total Utility Deliveries	0	0	718	1,776	1,946	2,575	2,514	993	0	0	0	0	10,522
State Exchange Del.	422	561	690	247	238	234	476	1,229	1,071	85	0	0	5,253
Non-Kern River/Other Del.	2	8	42	43	0	0	0	0	0	0	0	0	95
2800 Acre Well Water Del.	0	0	0	0	60	103	81	30	0	0	0	0	274
Total State/Other Deliveries	424	569	732	290	298	337	557	1,259	1,071	85	0	0	5,622
Total Irrigation Deliveries	424	569	1,450	2,066	2,244	2,912	3,071	2,252	1,071	85	0	0	16,144
Canal Loss (Utility)	0	0	171	213	303	444	493	237	0	0	0	0	1,861
Canal Loss (State/Other)	161	226	107	0	0	0	0	169	252	(85)	0	0	830
Total Canal Loss	161	226	278	213	303	444	493	406	252	(85)	0	0	2,691
Delivery Percentage	72%	72%	84%	91%	88%	87%	86%	85%	81%	0%	0%	0%	86%

Year: 1994

Total Flow via the Buena Vista Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	75	46	17	0	52	0	0	0	0	0
2	11	0	70	48	18	0	52	0	0	0	0	0
3	18	0	72	45	18	0	41	0	0	0	0	0
4	17	0	67	49	23	0	41	0	0	0	0	0
5	15	0	57	48	32	34	41	0	0	0	0	0
6	15	0	54	81	16	55	45	0	0	0	0	0
7	16	0	47	95	0	63	51	0	0	0	0	0
8	16	0	40	79	0	80	48	0	0	0	0	0
9	15	0	36	69	14	90	46	0	0	0	0	0
10	15	0	26	79	32	92	47	0	0	0	0	0
11	0	0	30	84	32	81	46	0	0	0	0	0
12	0	4	29	51	36	80	48	0	0	0	0	0
13	0	20	27	0	36	80	46	0	0	0	0	0
14	0	24	22	0	42	75	58	0	0	0	0	0
15	0	31	18	0	41	62	79	0	0	0	0	0
16	0	35	0	0	41	54	74	0	0	0	0	0
17	12	31	0	0	38	60	65	0	0	0	0	0
18	16	32	0	0	36	66	51	0	0	0	0	4
19	13	47	7	0	29	69	43	0	0	0	0	46
20	4	38	36	0	24	69	29	0	0	0	0	47
21	0	55	43	0	16	65	0	0	0	0	0	47
22	17	63	38	0	17	65	0	0	0	0	0	38
23	20	61	41	0	15	64	0	0	0	0	0	38
24	3	59	44	0	17	59	0	0	0	0	0	39
25	0	64	38	0	19	52	0	0	0	0	0	37
26	0	67	33	0	0	51	0	0	0	0	0	40
27	0	71	41	19	0	47	0	0	0	0	0	40
28	0	72	42	45	0	45	0	0	0	0	0	14
29	0	-	40	38	0	49	0	0	0	0	0	0
30	0	-	47	30	0	48	0	0	0	0	0	0
31	0	-	51	-	0	-	0	0	-	-	-	0
TOTAL	223	774	1,171	906	609	1,655	1,003	0	0	0	0	390
MAXIMUM DAY	20	72	75	95	42	92	79	0	0	0	0	47
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	7	28	38	30	20	55	32	0	0	0	0	13
TOTAL AC.FT.	442	1,535	2,323	1,797	1,208	3,283	1,969	0	0	0	0	774
WHOLE YEAR:-	TOTAL,	6,731	MAX.,	95	MIN.,	0	MEAN,	18	TOTAL AC.FT.,	13,351		

KERN DELTA WATER DISTRICT
BUENA VISTA CANAL SERVICE AREA

Year: 1994

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	357	3,142	0	438	1,226	825	0	0	81	0	60	0	6,129
Release	712	(268)	0	97	262	0	0	0	(71)	0	323	853	1,908
Entitlement + or - Releases	1,069	2,874	0	535	1,488	825	0	0	10	0	383	853	8,037
Into Storage	8	897	0	232	474	355	0	0	10	0	383	0	2,359
From Storage	0	60	994	1,232	164	506	242	178	0	0	0	0	3,376
To North Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	0	0	0	0	(11)	0	0	(4)	0	0	0	0	(15)
Carrier Canal Loss	619	502	0	0	0	0	0	0	0	0	0	79	1,200
Diverted at Head of Canal	442	1,535	994	1,535	1,167	976	242	174	0	0	0	774	7,839
Utility Deliveries	159	1,000	548	1,177	815	742	181	175	0	0	0	508	5,305
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	159	1,000	548	1,177	815	742	181	175	0	0	0	508	5,305
Canal Conveyance Losses	283	535	446	358	352	234	61	(1)	0	0	0	266	2,534
Delivery Percentage	36%	65%	55%	77%	70%	76%	75%	101%	0%	0%	0%	66%	68%

Into Reservoir Storage	8	897	0	232	474	355	0	0	10	0	383	0	2,359
Reservoir Evaporation Loss	8	12	24	6	6	22	12	0	0	0	0	4	94
From Reservoir Storage	0	60	994	1,232	164	506	242	178	0	0	0	0	3,376
End of Month Reservoir Storage	1,500	2,325	1,307	301	605	432	178	0	10	10	393	389	

State Exchange Diverted	0	0	1,329	0	0	1,771	958	0	0	0	0	0	4,058
State Exch. Diverted via Maples Canal	0	0	0	0	0	0	333	0	0	0	0	0	333
State Exchange Delivered	0	0	896	0	0	1,452	687	0	0	0	0	0	3,035
State Exch. Delivered via Maples Canal	0	0	0	0	0	0	319	0	0	0	0	0	319

**KERN DELTA WATER DISTRICT
BUENA VISTA CANAL
DISTRIBUTION OF WATER**

Year: 1994

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista Canal at Headworks	442	1,535	2,323	1,797	1,208	3,283	1,989	0	0	0	0	774	13,351
Buena Vista Canal from Maples Canal	0	0	0	1,180	0	153	1,152	841	0	0	0	0	3,326
TOTAL BUENA VISTA CANAL SUPPLY	442	1,535	2,323	2,977	1,208	3,436	3,141	841	0	0	0	774	16,677

Deliveries: Head to Section 17

Buena Vista Utility	159	1,000	548	529	137	524	77	0	0	0	0	0	2,974
Buena Vista State Exchange	0	0	896	0	0	845	270	0	0	0	0	0	2,011
Stine Utility	0	0	0	0	0	145	131	0	0	0	0	0	276
Stine State Exchange	0	0	0	0	0	16	69	0	0	0	0	0	85
Improvement District #4	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Total	159	1,000	1,444	529	137	1,530	547	0	0	0	0	0	5,346

Deliveries: At or Below Section 17

Buena Vista Utility	0	0	0	648	678	218	104	175	0	0	0	0	2,331
Buena Vista State Exchange	0	0	0	0	0	607	736	0	0	0	0	0	1,343
Stine Utility	0	0	0	379	0	99	0	0	0	0	0	0	478
Stine State Exchange	0	0	0	0	0	99	0	0	0	0	0	0	99
Kern Island Utility	0	0	0	953	24	144	1,093	616	0	0	0	0	2,830
Kern Island State Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
Sub-Total	0	0	0	1,980	702	1,167	1,933	791	0	0	0	508	7,081

TOTAL DELIVERED	159	1,000	1,444	2,509	839	2,697	2,480	791	0	0	0	508	12,427
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Canal Conveyance Losses	283	535	879	468	369	739	661	50	0	0	0	266	4,250
Delivery Percentage	36%	65%	62%	84%	69%	78%	79%	94%	0%	0%	0%	66%	75%

DISTRIBUTION:

Buena Vista Utility	442	1,535	994	1,535	1,167	976	242	174	0	0	0	774	7,839
Buena Vista State Exchange	0	0	1,329	0	0	1,771	1,291	0	0	0	0	0	4,391
Stine Utility	0	0	0	373	0	375	174	0	0	0	0	0	922
Stine State Exchange	0	0	0	0	0	161	113	0	0	0	0	0	274
Improvement District #4	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island Utility	0	0	0	1,069	41	153	1,321	667	0	0	0	0	3,251
Kern Island State Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	442	1,535	2,323	2,977	1,208	3,436	3,141	841	0	0	0	774	16,677

Year: 1994

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	31	0	85	0	0	0	0	0
2	0	0	0	0	22	0	83	0	0	0	0	0
3	0	0	0	0	0	0	84	0	0	0	0	0
4	0	0	0	0	0	0	80	0	0	0	0	0
5	0	0	0	0	0	0	71	0	0	0	0	0
6	0	0	0	0	0	30	72	0	0	0	0	0
7	0	0	0	0	0	66	73	0	0	0	0	0
8	0	0	0	0	0	82	78	0	0	0	0	0
9	0	0	0	0	0	93	79	0	0	0	0	0
10	0	0	0	0	0	95	78	0	0	0	0	0
11	0	0	0	0	0	95	83	0	0	0	0	0
12	0	0	0	0	0	100	88	0	0	0	0	0
13	0	0	0	0	0	95	87	0	0	0	0	0
14	0	0	0	0	0	95	81	0	0	0	0	0
15	0	0	0	0	0	97	70	0	0	0	0	0
16	0	0	0	0	0	89	68	0	0	0	0	0
17	0	0	0	0	0	90	67	0	0	0	0	0
18	0	0	0	0	0	88	64	0	0	0	0	0
19	0	0	0	0	0	82	54	0	0	0	0	0
20	0	0	0	0	0	82	42	0	0	0	0	0
21	0	0	0	0	0	86	0	0	0	0	0	0
22	0	0	0	0	0	87	0	0	0	0	0	0
23	0	0	0	0	0	87	0	0	0	0	0	0
24	0	0	0	0	0	86	0	0	0	0	0	0
25	0	0	0	0	0	86	0	0	0	0	0	0
26	0	0	0	0	0	86	0	0	0	0	0	0
27	0	0	0	12	0	87	0	0	0	0	0	0
28	0	0	0	40	0	92	0	0	0	0	0	0
29	0	-	0	32	0	86	0	0	0	0	0	0
30	0	-	0	31	0	85	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	0	0	-	0
TOTAL	0	0	0	115	53	2,147	1,487	0	0	0	0	0
MAXIMUM DAY	0	0	0	40	31	100	88	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	4	2	72	48	0	0	0	0	0
TOTAL AC.FT.	0	0	0	228	105	4,259	2,949	0	0	0	0	0
WHOLE YEAR--	TOTAL,	3,802	MAX.,	100	MIN.,	0	MEAN,	10	TOTAL AC.FT.,	7,541		

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

Year: 1994

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	0	0	0	829	2,305	1,544	0	0	0	0	0	0	4,678
Release	+ or -	210	0	95	(371)	0	0	0	0	0	0	0	(66)
Entitlement + or - Releases	=	210	0	924	1,934	1,544	0	0	0	0	0	0	4,612
Into Storage	-	210	0	720	1,807	551	0	0	0	0	0	0	3,288
From Storage	+	0	0	397	0	1,366	1,361	0	0	0	0	0	3,124
To North Kern WSD	-	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	+ or -	0	0	0	(22)	0	0	0	0	0	0	0	(22)
Carrier Canal Loss	-	0	0	0	0	0	0	0	0	0	0	0	0
Other	+ or -	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head	=	0	0	601	105	2,359	1,361	0	0	0	0	0	4,426
Utility Deliveries	0	0	0	385	13	828	594	0	0	0	0	0	1,820
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	-	0	0	385	13	828	594	0	0	0	0	0	1,820
Canal Conveyance Losses	=	0	0	216	92	1,531	767	0	0	0	0	0	2,606
Delivery Percentage	0%	0%	0%	64%	12%	35%	44%	0%	0%	0%	0%	0%	41%

Into Reservoir Storage	210	0	0	720	1,807	551	0	0	0	0	0	0	3,288
Reservoir Evaporation Loss	2	2	4	4	30	77	30	12	10	6	2	2	181
From Reservoir Storage	0	0	0	397	0	1,366	1,361	0	0	0	0	0	3,124
End of Month Reservoir Storage	448	446	442	761	2,538	1,646	255	243	233	227	225	223	

State Exchange Diverted	0	0	0	0	0	1,242	1,236	0	0	0	0	0	2,478
State Exchange Delivered	0	0	0	0	0	744	675	0	0	0	0	0	1,419
A-EWSD Payback Diverted	0	40	0	0	0	0	71	0	0	0	0	0	111
A-EWSD Payback Delivered	0	14	0	0	0	0	0	0	0	0	0	0	14
2800 Acre Well Water Diverted	0	0	0	0	0	4	2	0	0	0	0	0	6
2800 Acre Well Water Delivered	0	0	0	0	0	4	2	0	0	0	0	0	6

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

Year: 1994

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	0	0	0	759	2,215	1,516	0	0	0	0	0	0	4,490
Release	+ or -	91	14	(63)	(347)	0	0	0	0	0	0	0	(305)
Entitlement + or - Releases	=	91	14	696	1,868	1,516	0	0	0	0	0	0	4,185
Into Storage	-	0	0	696	1,638	549	0	0	0	0	0	0	2,883
From Storage	+	0	0	0	0	1,354	1,212	190	0	0	0	0	2,756
To North Kern WSD	-	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	-	0	0	0	(20)	0	0	0	0	0	0	0	(20)
Carrier Canal Loss	-	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
Diverted at Head	=	91	14	0	210	2,321	1,212	190	0	0	0	0	4,038
Utility Deliveries		30	10	0	89	1,595	739	116	0	0	0	0	2,579
Contract Deliveries		0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	-	30	10	0	89	1,595	739	116	0	0	0	0	2,579
Canal Conveyance Losses	=	61	4	0	121	726	473	74	0	0	0	0	1,459
Delivery Percentage		33%	71%	0%	42%	69%	61%	61%	0%	0%	0%	0%	64%

Into Reservoir Storage	0	0	0	696	1,638	549	0	0	0	0	0	0	2,883
Reservoir Evaporation Loss	0	0	0	2	26	73	24	2	0	0	0	0	127
From Reservoir Storage	0	0	0	0	0	1,354	1,212	190	0	0	0	0	2,756
End of Month Reservoir Storage	0	0	0	694	2,306	1,428	192	0	0	0	0	0	0

State Exchange Diverted	44	161	527	0	0	135	643	48	0	0	0	0	1,558
State Exchange Delivered	44	90	415	0	0	68	356	37	0	0	0	0	1,010

2800 Acre Well Water Diverted to Kern Delta WD
 (Pursuant to City of Bakersfield/KDWD Letter Agreement Dated 4-20-94) Year: 1994

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	13	0	0	0	0	0
2	0	0	0	0	0	0	13	0	0	0	0	0
3	0	0	0	0	0	0	12	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	8	9	0	0	0	0
6	0	0	0	0	0	0	0	12	0	0	0	0
7	0	0	0	0	0	0	0	11	0	0	0	0
8	0	0	0	0	0	0	0	14	0	0	0	0
9	0	0	0	0	0	0	0	14	0	0	0	0
10	0	0	0	0	0	0	0	12	0	0	0	0
11	0	0	0	0	0	0	0	15	0	0	0	0
12	0	0	0	0	0	0	0	15	0	0	0	0
13	0	0	0	0	0	0	0	18	0	0	0	0
14	0	0	0	0	0	0	0	21	0	0	0	0
15	0	0	0	0	0	0	0	17	0	0	0	0
16	0	0	0	0	0	0	0	18	0	0	0	0
17	0	0	0	0	0	0	0	18	0	0	0	0
18	0	0	0	0	0	0	0	8	0	0	0	0
19	0	0	0	0	0	0	0	10	0	0	0	0
20	0	0	0	0	0	0	0	16	0	0	0	0
21	0	0	0	0	0	0	0	16	0	0	0	0
22	0	0	0	0	0	0	0	16	0	0	0	0
23	0	0	0	0	0	0	0	17	0	0	0	0
24	0	0	0	0	0	0	0	14	0	0	0	0
25	0	0	0	0	0	5	0	16	0	0	0	0
26	0	0	0	0	0	7	0	15	0	0	0	0
27	0	0	0	0	0	12	0	15	0	0	0	0
28	0	0	0	0	0	14	0	15	0	0	0	0
29	0	-	0	0	0	18	0	15	0	0	0	0
30	0	-	0	0	0	21	0	11	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	77	61	378	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	21	15	21	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	3	2	12	0	0	0	0
TOTAL AC.FT.	0	0	0	0	0	153	121	749	0	0	0	0
WHOLE YEAR-	TOTAL,	516	MAX.,	21	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	1,023		

KERN DELTA WATER DISTRICT
State Aqueduct Exchange Diversion and Storage Recapitulation

Quantities in acre-feet

Year: 1994

	Kern Island	Eastside	East of Kern Island	Buena Vista	Stine	Farmers	Reservoir Loss	Via A-EWSD	Total	Storage
										Balance
November	0	0	0	0	0	0	0	0	0	6,000
December	60	149	29	0	0	125	0	0	363	5,637
January	161	490	142	0	0	44	0	0	837	4,800
February	193	795	446	0	0	161	0	0	1,595	3,205
March	374	704	271	1,329	0	527	0	0	3,205	0
Total	788	2,138	888	1,329	0	857	0	0	6,000	

March	56	135	41	0	0	0	0	680	912	13,488
April	22	290	269	0	0	0	0	0	581	12,576
May	152	238	62	0	0	0	0	0	452	11,995
June	278	234	220	1,771	1,242	135	0	0	3,880	11,543
July	337	476	452	1,291	1,236	643	0	0	4,435	7,663
August	590	1,398	419	0	0	48	0	0	2,455	3,228
September	0	754	19	0	0	0	0	0	773	773
October	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0
Total	1,435	3,525	1,482	3,062	2,478	826	0	680	13,488	

November	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0
Total	0									

KERN DELTA WATER DISTRICT
1988 State Pool Payback Diversion Recapitulation

Year: 1994

Quantities in acre-feet

	1988 State Pool Payback Diversion Recapitulation						Payback
	Kern Island	Eastside	East of Kern Island	Buena Vista	Stine	Farmers	Balance
January	0	0	0	0	0	0	1,894
February	0	0	0	0	0	0	1,894
March	0	0	0	0	0	0	1,894
April	0	0	0	0	0	0	1,894
May	0	0	0	0	0	0	1,894
June	0	0	0	0	0	0	1,894
July	0	0	0	0	0	0	1,894
August	0	0	0	0	0	0	1,894
September	0	0	0	0	0	0	1,894
October	0	0	0	0	0	0	1,894
November	0	0	0	0	0	0	1,894
December	0	0	0	0	0	0	1,894
Total	0	0	0	0	0	0	0

CITY OF BAKERSFIELD

**KERN RIVER CHANNEL OPERATIONS
CITY OF BAKERSFIELD**

Quantities in acre-feet

Year: 1994

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ Kern River at First Point of Measurement	19,622	28,720	41,819	41,256	35,411	69,470	75,175	53,484	16,072	13,745	12,060	15,527	422,361
- Computed Loss	676	611	676	655	676	655	676	676	655	676	655	676	7,963
- Beardsley Canal at Head	5,613	13,283	18,248	17,672	11,635	25,659	31,678	21,190	6,543	8,281	6,720	2,226	168,748
- Carrier Canal at Head	9,882	14,826	22,895	22,241	22,193	33,364	32,935	24,256	8,874	4,788	4,685	12,625	213,564
= Rocky Point Weir	3,451	0	0	688	907	9,792	9,886	7,362	0	0	0	0	32,086
+ Carrier Waste Gate	0	0	0	0	0	694	1,065	0	0	0	0	0	1,759
+ Farmers-Stine-Anderson: to River	0	194	3,975	3,178	3,780	750	0	2,011	1,589	0	0	2,894	18,371
- Farmers-Stine-Anderson: from River	0	0	0	0	0	6,621	4,776	4,415	0	0	0	0	15,812
- Calloway Canal at Head	960	0	2,580	2,920	2,982	3,475	4,502	4,143	1,267	0	0	0	22,829
- River Loss: Rocky Point to Calloway Weir	555	194	1,395	946	1,178	1,140	1,391	815	322	0	0	73	8,009
= Calloway River Weir	1,936	0	0	0	527	0	282	0	0	0	0	2,821	5,566
+ CVC T.O. #4 to River	1,099	2,571	0	0	0	0	416	34	0	0	0	0	4,120
+ CVC T.O. #3 to River	898	2,786	0	0	0	0	0	0	0	0	0	0	3,684
+ Friant-Kern Inflow	0	0	0	0	0	0	0	0	0	0	0	0	0
- River Canal from River	0	67	0	0	0	0	0	0	0	0	0	0	67
- River Loss: Cally. Weir to River Canal Weir	3,273	4,762	0	0	527	0	698	34	0	0	0	2,821	12,115
= River Canal Weir	660	528	0	0	0	0	0	0	0	0	0	0	1,188
+ Pioneer Turnout	61	67	0	0	0	0	0	0	0	0	0	266	394
+ CVC T.O. #2 to River	2,031	5,418	0	0	0	0	0	0	19	0	0	0	7,468
- Rosedale Channel at Head	0	0	0	0	0	0	0	0	0	0	0	145	145
- Pioneer Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
- Berranda Mesa Pipeline Turnout	915	0	0	0	0	0	0	0	0	0	0	0	915
- River Loss: River Canal to Bellevue Weir	1,059	1,329	0	0	0	0	0	0	19	0	0	121	2,528
= Flow at Bellevue Weir	778	4,684	0	0	0	0	0	0	0	0	0	0	5,462
- River Loss: Bellevue Weir to ID#4 Boundary	216	613	0	0	0	0	0	0	0	0	0	0	829
- River Loss: ID#4 Boundary to 2800 Acres	165	595	0	0	0	0	0	0	0	0	0	0	760
+ Outflow from Berranda Mesa Spdg. Grounds	0	0	0	0	0	0	0	0	0	0	0	0	0
+ CVC T.O. #1 to River	3,088	9,731	0	0	0	0	0	0	0	0	0	0	12,819
+ River Canal T.O. to 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- Pioneer (P-1 Lateral) from 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- 2800 Acre Recharge Facility	3,485	13,207	0	0	0	0	0	0	0	0	0	0	16,692
= Second Point via Kern River Channel	0	0	0	0	0	0	0	0	0	0	0	0	0

**CARRIER CANAL OPERATIONS
CITY OF BAKERSFIELD**

Quantities in acre-feet

Year: 1994

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ Carrier Canal at Head	9,882	14,826	22,895	22,241	22,193	33,364	32,935	24,256	8,874	4,788	4,685	12,625	213,564
- Carrier Waste Gate	0	0	0	0	0	694	1,065	0	0	0	0	0	1,759
+ Oilfield Discharge (Texaco Inc.)	406	0	0	0	0	0	0	0	0	0	0	699	1,105
= Carrier Reclamation Weir	10,288	14,826	22,895	22,241	22,193	32,670	31,870	24,256	8,874	4,788	4,685	13,324	212,910
+ Oilfield Discharge (Arco Oil)	22	0	0	0	0	0	0	0	0	0	0	45	67
+ Storm Drain Inflow	0	0	48	16	8	0	0	0	0	0	0	42	114
- Eastside Canal at Head	585	795	1,728	2,279	2,547	3,356	3,564	2,658	1,323	0	0	0	18,835
- Kern Island Canal at Head	7,107	8,110	13,898	11,290	12,171	20,428	22,139	15,933	5,962	4,788	4,685	8,192	134,703
= Levee No. 1	2,618	5,921	7,317	8,688	7,483	8,886	6,167	5,665	1,589	0	0	5,219	59,553
- Farmers-Stine-Anderson: to River	0	194	3,975	3,178	3,780	750	0	2,011	1,589	0	0	2,894	18,371
+ Farmers-Stine-Anderson: from River	0	0	0	0	0	6,621	4,776	4,415	0	0	0	0	15,812
= Carrier Canal at Oak Street	2,618	5,727	3,342	5,510	3,703	14,757	10,943	8,069	0	0	0	2,325	56,994
- Stine Canal at Head	0	0	0	228	105	4,259	2,949	0	0	0	0	0	7,541
- Truxtun Lakes	0	0	230	131	246	0	206	119	0	0	0	0	932
- Arvin-Edison Turnout	0	0	0	0	0	0	0	0	0	0	0	401	401
- Total Carrier Canal Loss	792	757	789	823	522	985	1,098	498	0	0	0	884	7,148
+ River Canal from River	0	67	0	0	0	0	0	0	0	0	0	0	67
= River Canal at Stockdale Highway	1,826	5,037	2,323	4,328	2,830	9,513	6,690	7,452	0	0	0	1,040	41,039
- Buena Vista Canal at Head	442	1,535	2,323	1,797	1,208	3,283	1,989	0	0	0	0	774	13,351
- Pioneer Turnout	61	67	0	0	0	0	0	0	0	0	0	266	394
- James Canal at Head	0	0	0	0	0	0	0	0	0	0	0	0	0
= River Canal at Alternate Second Point	1,323	3,435	0	2,531	1,622	6,230	4,701	7,452	0	0	0	0	27,294
+ 2800 Acre Well Water Production	0	0	0	0	0	2,885	3,596	2,495	495	0	0	0	9,471
- 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	1,180	0	510	1,152	841	0	0	0	0	3,683
- Henry Miller WD via River Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
- County of Kern	0	0	0	0	0	0	308	885	495	0	0	0	1,688
= Buena Vista WSD Flow via River Canal	1,323	3,435	0	1,351	1,622	8,605	6,837	8,221	0	0	0	0	31,394

Year: 1994

**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	135	925	13,340	14,604	18,581	15,796	1,909	0	34	32	32	0	65,388
Release	1,095	70	118	141	529	0	0	0	6	1,198	1,158	896	5,211
ENTITLEMENT + OR - RELEASE	1,230	995	13,458	14,745	19,110	15,796	1,909	0	40	1,230	1,190	896	70,599
NKWSD to City	0	0	0	0	321	0	0	0	0	0	0	3,617	3,938
From Reservoir Storage	30	75	26	0	0	4,770	16,303	15,121	492	0	0	8	36,825
Into Reservoir Storage	309	360	5,164	6,248	7,952	4,153	0	103	2	30	43	155	24,519
Other	333	0	0	0	171	2,367	2,616	669	0	0	0	307	6,463
TOTAL SUPPLY	1,284	710	8,320	8,497	11,650	18,780	20,828	15,687	530	1,200	1,147	4,673	93,306

Lake Ming	16	16	44	60	77	105	127	121	91	65	42	26	790
Kern Valley Golf Course	2	0	4	18	27	33	32	31	24	13	2	0	186
Olcese Water District	32	79	79	118	70	0	0	0	0	0	0	0	378
Glen Grundeis	0	0	0	0	0	0	2	0	0	0	0	0	2
North Kern WSD	0	0	0	799	1,540	6,171	6,291	10,035	0	750	63	71	25,720
Cawelo WD	197	362	3,390	2,700	4,490	6,571	6,691	2,586	0	0	353	579	27,919
Kern-Tulare WD	748	0	3,558	3,484	4,309	3,494	2,755	0	0	0	0	0	18,348
Rag Gulch WD	113	0	534	523	646	524	413	0	0	0	0	0	2,753
Rosedale RBWSD	0	0	0	0	0	0	0	0	0	0	0	3,039	3,039
Rosedale Ranch ID (NKWSD Contract)	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch ID (NKWSD Misc.)	0	0	0	0	0	0	0	0	0	0	414	104	518
Kern Delta WD	0	0	0	0	0	0	0	0	0	0	0	0	0
Arvin-Edison WSD	0	0	0	0	0	0	0	0	0	0	0	401	401
Kern River Canal & Irrigating Co.	0	0	0	0	0	300	2,763	2,142	415	371	274	14	6,279
Truxtun Lakes (Direct)	0	0	0	0	0	0	0	0	0	0	0	0	0
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	176	253	711	795	491	1,582	1,754	772	0	1	(1)	439	6,973
TOTAL DIVERTED	1,284	710	8,320	8,497	11,650	18,780	20,828	15,687	530	1,200	1,147	4,673	93,306

Into Reservoir Storage	309	360	5,164	6,248	7,952	4,153	0	103	2	30	43	155	24,519
Reservoir Evaporation Loss	94	89	228	369	639	1,015	842	147	30	13	11	6	3,483
From Reservoir Storage	30	75	26	0	0	4,770	16,303	15,121	492	0	0	8	36,825
End of Month Reservoir Storage	16,387	16,583	21,493	27,372	34,685	33,053	15,908	743	223	240	272	413	

**CITY OF BAKERSFIELD
STATUS OF LONG TERM CONTRACTS**

Quantities in acre-feet

NORTH KERN WATER STORAGE DISTRICT					
Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract Delivered	Cumulative Contract Delivery	Basic Contract Balance
1977	20,000	20,000	20,000	20,000	0
1978	20,000	40,000	20,000	40,000	0
1979	20,000	60,000	20,000	60,000	0
1980	20,000	80,000	20,000	80,000	0
1981	20,000	100,000	20,000	100,000	0
1982	20,000	120,000	20,000	120,000	0
1983	20,000	140,000	20,000	140,000	0
1984	20,000	160,000	20,000	160,000	0
1985	20,000	180,000	20,000	180,000	0
1986	20,000	200,000	20,000	200,000	0
1987	20,000	220,000	20,000	220,000	0
1988	20,000	240,000	20,000	240,000	0
1989	20,000	260,000	20,000	260,000	0
1990	20,000	280,000	20,000	280,000	0
1991	20,000	300,000	20,000	300,000	0
1992	20,000	320,000	14,381	314,381	(5,619)
1993	20,000	340,000	23,700	338,081	(1,919)
1994	20,000	360,000	20,000	358,081	(1,919)

CAWALO WATER DISTRICT					
Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract Delivered	Cumulative Contract Delivery	Basic Contract Balance
1977	27,000	27,000	5,024	5,024	(21,976)
1978	27,000	54,000	35,404	40,428	(13,572)
1979	27,000	81,000	36,780	77,208	(3,792)
1980	27,000	108,000	30,792	108,000	0
1981	27,000	135,000	27,000	135,000	0
1982	27,000	162,000	27,000	162,000	0
1983	27,000	189,000	27,000	189,000	0
1984	27,000	216,000	27,000	216,000	0
1985	27,000	243,000	27,000	243,000	0
1986	27,000	270,000	27,000	270,000	0
1987	27,000	297,000	27,000	297,000	0
1988	27,000	324,000	12,821	309,821	(14,179)
1989	27,000	351,000	22,480	332,281	(18,719)
1990	27,000	378,000	17,723	350,004	(27,996)
1991	27,000	405,000	29,316	379,320	(25,680)
1992	27,000	432,000	28,868	408,188	(23,812)
1993	27,000	459,000	32,000	440,188	(18,812)
1994	27,000	486,000	23,760	463,948	(22,052)

KERN-TULARE WATER DISTRICT					
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)
1978	20,000	40,000	23,690	28,363	(11,637)
1979	20,000	60,000	24,122	52,485	(7,515)
1980	20,000	80,000	23,403	75,888	(4,112)
1981	20,000	100,000	23,700	99,588	(412)
1982	20,000	120,000	20,412	120,000	0
1983	20,000	140,000	4,587	124,587	(15,413)
1984	20,000	160,000	20,000	144,587	(15,413)
1985	20,000	180,000	20,000	164,587	(15,413)
1986	20,000	200,000	20,000	184,587	(15,413)
1987	20,000	220,000	20,000	204,587	(15,413)
1988	20,000	240,000	11,763	216,350	(23,650)
1989	20,000	260,000	16,635	232,985	(27,015)
1990	20,000	280,000	0	232,985	(47,015)
1991	20,000	300,000	20,000	252,985	(47,015)
1992	20,000	320,000	9,089	262,074	(57,926)
1993	20,000	340,000	29,332	291,406	(48,594)
1994	20,000	360,000	18,348	309,754	(50,246)

RAG GULCH WATER DISTRICT					
Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract Delivered	Cumulative Contract Delivery	Basic Contract Balance
1977	3,000	3,000	449	449	(2,551)
1978	3,000	6,000	3,550	3,999	(2,001)
1979	3,000	9,000	3,550	7,549	(1,451)
1980	3,000	12,000	3,550	11,099	(901)
1981	3,000	15,000	3,550	14,649	(351)
1982	3,000	18,000	3,351	18,000	0
1983	3,000	21,000	600	18,600	(2,400)
1984	3,000	24,000	3,000	21,600	(2,400)
1985	3,000	27,000	3,000	24,600	(2,400)
1986	3,000	30,000	3,000	27,600	(2,400)
1987	3,000	33,000	3,000	30,600	(2,400)
1988	3,000	36,000	1,764	32,364	(3,636)
1989	3,000	39,000	2,495	34,859	(4,141)
1990	3,000	42,000	0	34,859	(7,141)
1991	3,000	45,000	3,000	37,859	(7,141)
1992	3,000	48,000	1,363	39,222	(8,778)
1993	3,000	51,000	4,394	43,616	(7,384)
1994	3,000	54,000	2,753	46,369	(7,631)

CITY OF BAKERSFIELD
Deliveries to Long Term Contractors

Basic Contract

Year: 1994

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	1) 748	748	2) 113	113	861	861
February	0	0	0	0	0	748	0	113	0	861
March	0	0	3,390	3,390	3,558	4,306	534	647	7,482	8,343
April	0	0	2,700	6,090	3,484	7,790	523	1,170	6,707	15,050
May	171	171	4,490	10,580	4,309	12,099	646	1,816	9,616	24,666
June	5,000	5,171	5,400	15,980	3,494	15,593	524	2,340	14,418	39,084
July	5,000	10,171	5,400	21,380	2,755	18,348	413	2,753	13,568	52,652
August	9,829	20,000	2,380	23,760	0	18,348	0	2,753	12,209	64,861
September	0	20,000	0	23,760	0	18,348	0	2,753	0	64,861
October	0	20,000	0	23,760	0	18,348	0	2,753	0	64,861
November	0	20,000	0	23,760	0	18,348	0	2,753	0	64,861
December	0	20,000	0	23,760	0	18,348	0	2,753	0	64,861
Year Total	20,000		23,760		18,348		2,753		64,861	

1) Includes water delivered pursuant to terms of City/K-TWD Agreement No. 88-14 W.B. dated August 31, 1988.

2) Includes water delivered pursuant to terms of City/RGWD Agreement No. 88-15 W.B. dated August 31, 1988.

Year: 1994

City of Bakersfield Diverted to North Kern WSD

(Basic Contract)

(Does not include deliveries into Isabella Reservoir storage)

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

City of Bakersfield Diverted to North Kern WSD
(Miscellaneous)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1994

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	10
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	10
17	0	0	0	0	0	0	0	0	0	0	0	16
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	96
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	16
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	1
TOTAL AC.FT.	0	0	0	0	0	0	0	0	0	0	0	71
WHOLE YEAR--	TOTAL	36	MAX.	16	MIN.	0	MEAN	0	TOTAL AC.FT.	71		

City of Bakersfield Diverted to North Kern WSD
(2800 Acre Well Water Purchase)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1994

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	18	22	0	0	0	0
2	0	0	0	0	0	0	17	22	0	0	0	0
3	0	0	0	0	0	0	18	24	0	0	0	0
4	0	0	0	0	0	0	14	23	0	0	0	0
5	0	0	0	0	0	0	19	13	0	0	0	0
6	0	0	0	0	0	0	24	0	0	0	0	0
7	0	0	0	0	0	0	25	0	0	0	0	0
8	0	0	0	0	0	15	24	0	0	0	0	0
9	0	0	0	0	0	27	22	0	0	0	0	0
10	0	0	0	0	0	27	23	0	0	0	0	0
11	0	0	0	0	0	28	24	0	0	0	0	0
12	0	0	0	0	0	30	26	0	0	0	0	0
13	0	0	0	0	0	29	25	0	0	0	0	0
14	0	0	0	0	0	29	25	0	0	0	0	0
15	0	0	0	0	0	29	23	0	0	0	0	0
16	0	0	0	0	0	28	24	0	0	0	0	0
17	0	0	0	0	0	29	24	0	0	0	0	0
18	0	0	0	0	0	28	23	0	0	0	0	0
19	0	0	0	0	0	29	22	0	0	0	0	0
20	0	0	0	0	0	28	23	0	0	0	0	0
21	0	0	0	0	0	28	21	0	0	0	0	0
22	0	0	0	0	0	28	21	0	0	0	0	0
23	0	0	0	0	0	27	21	0	0	0	0	0
24	0	0	0	0	0	28	20	0	0	0	0	0
25	0	0	0	0	0	25	20	0	0	0	0	0
26	0	0	0	0	0	24	18	0	0	0	0	0
27	0	0	0	0	0	19	17	0	0	0	0	0
28	0	0	0	0	0	20	18	0	0	0	0	0
29	0	-	0	0	0	19	17	0	0	0	0	0
30	0	-	0	0	0	16	17	0	0	0	0	0
31	0	-	0	-	0	-	18	0	-	0	-	0
TOTAL	0	0	0	0	0	590	651	104	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	30	26	24	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	14	0	0	0	0	0
MEAN	0	0	0	0	0	20	21	3	0	0	0	0
TOTAL AC.FT.	0	0	0	0	0	1,171	1,291	206	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,345	MAX.,	30	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	2,668		

CAWELO WATER DISTRICT OPERATIONS

Year: 1994

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+ Cawelo WD via Pump Station "B"	597	1,765	3,344	2,957	4,671	9,479	11,331	9,941	5,103	2,497	1,125	581	53,391
+ Lerdo Delivery Gate No. 8-0-2	0	0	0	6	24	26	46	38	0	0	0	0	140
+ 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	0	105	208	389	351	220	67	217	0	0	1,557
+ Lerdo Delivery Gate No. 8-0-25	0	0	182	44	32	34	0	36	12	34	0	0	374
+ Lerdo Delivery Gate No. 8-0-288	0	0	54	0	0	0	0	0	0	0	0	0	54
+ 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	26	46	95	99	115	157	179	91	73	60	0	0	941
+ Lerdo Delivery Gate No. 8-0-292	6	16	22	24	26	34	42	18	18	14	0	0	220
+ Lerdo Delivery Gate No. 8-23-006	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Total Lerdo Gate Deliveries	32	62	353	278	405	640	618	403	170	325	0	0	3,286
+ Beardsley Canal Loss	36	56	61	60	61	60	61	61	60	61	54	40	671
+ Lerdo Loss	6	19	40	35	54	107	125	107	54	32	11	6	596
+ Total Loss	42	75	101	95	115	167	186	168	114	93	65	46	1,267
= Total Diverted for Cawelo WD	671	1,902	3,798	3,330	5,191	10,286	12,135	10,512	5,387	2,915	1,190	627	57,944

Cawelo Water District Source of Supply:

+ City of Bakersfield Basic Contract	0	0	3,390	2,700	4,490	5,400	5,400	2,380	0	0	0	0	23,760
+ City of Bakersfield Miscellaneous	197	362	0	0	0	0	0	0	0	0	353	579	1,491
+ City of Bakersfield 2800 Acre Well Water Purchase	0	0	0	0	0	1,171	1,291	206	0	0	0	0	2,668
+ City of Bakersfield Oilfield Discharge	200	157	408	573	701	611	644	642	455	625	414	48	5,478
+ Buena Vista WSD Exchange	274	1,216	0	57	0	3,104	4,800	7,284	3,272	166	0	0	20,173
+ Kern Delta WD Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Rosedale RBWSD Exchange	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
+ Improvement District #4 Exchange	0	0	0	0	0	0	0	0	1,053	552	393	0	1,998
+ via CVC Conduit "A"	0	0	0	0	0	0	0	0	607	1,572	30	0	2,209
+ North Kern WSD Non-Kern River	0	167	0	0	0	0	0	0	0	0	0	0	167
= Total Cawelo Water District Supply	671	1,902	3,798	3,330	5,191	10,286	12,135	10,512	5,387	2,915	1,190	627	57,944

Year: 1994

Cawelo Water District Total from Beardsley-Lerdo Canal System

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	32	18	49	35	36	129	211	171	128	71	32	0
2	0	17	55	33	38	130	185	207	131	70	32	0
3	0	32	72	34	41	130	188	216	121	69	32	0
4	0	37	89	34	43	129	208	215	122	70	33	0
5	0	34	86	50	47	126	210	212	121	54	32	17
6	0	36	89	53	38	134	192	178	121	55	32	17
7	0	18	85	52	36	133	185	181	107	54	33	17
8	0	22	86	55	34	132	215	190	107	50	32	17
9	0	32	83	76	56	153	217	166	71	51	32	17
10	0	33	88	74	76	185	219	157	68	50	17	17
11	0	33	86	71	77	185	221	140	64	47	18	18
12	0	32	93	72	75	174	217	170	68	25	17	15
13	0	32	84	83	113	175	219	164	72	26	17	15
14	0	33	70	58	110	175	210	165	93	26	17	15
15	9	32	80	56	107	170	200	171	85	25	17	15
16	28	35	45	58	109	176	203	169	84	26	17	12
17	28	33	46	58	123	162	200	174	82	42	18	12
18	18	36	29	58	141	167	202	175	82	64	17	12
19	17	49	26	60	138	175	201	159	85	69	17	17
20	17	52	24	72	108	175	218	149	85	65	17	14
21	17	50	23	67	106	199	220	148	102	69	17	17
22	17	52	41	68	108	199	207	150	100	66	17	17
23	17	35	60	69	110	219	202	166	88	65	18	17
24	18	37	58	66	76	199	184	169	83	69	17	18
25	3	35	60	72	74	214	201	179	82	44	17	0
26	20	34	56	37	78	196	201	176	85	44	17	0
27	21	35	57	39	79	205	178	174	70	35	18	0
28	20	35	51	38	80	201	162	166	71	17	0	0
29	19	-	56	42	76	218	140	170	68	17	0	0
30	19	-	52	39	144	220	136	132	70	17	0	0
31	18	-	36	-	140	-	166	141	-	18	-	0
TOTAL	338	959	1,915	1,679	2,617	5,185	6,118	5,300	2,716	1,470	600	316
MAXIMUM DAY	32	52	93	83	144	220	221	216	131	71	33	18
MINIMUM DAY	0	17	23	33	34	126	136	132	64	17	0	0
MEAN	11	34	62	56	84	173	197	171	91	47	20	10
TOTAL AC.FT.	671	1,902	3,798	3,330	5,191	10,286	12,135	10,512	5,387	2,915	1,190	627
WHOLE YEAR:-	TOTAL,	29,213	MAX.,	221	MIN.,	0	MEAN,	80	TOTAL AC.FT.,	57,944		

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

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1994

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	49	24	24	121	182	140	0	0	0	0
2	0	0	55	23	28	118	159	173	0	0	0	0
3	0	0	72	26	31	117	161	182	0	0	0	0
4	0	0	89	25	33	118	184	181	0	0	0	0
5	0	0	86	43	36	115	184	188	0	0	0	0
6	0	0	89	46	28	123	158	167	0	0	0	0
7	0	0	85	42	24	122	150	169	0	0	0	0
8	0	0	86	47	22	106	181	0	0	0	0	0
9	0	0	72	67	45	117	184	0	0	0	0	0
10	0	0	80	66	65	146	186	0	0	0	0	0
11	0	0	78	62	67	144	188	0	0	0	0	0
12	0	0	83	63	65	134	183	0	0	0	0	0
13	0	0	73	74	102	135	184	0	0	0	0	0
14	0	0	62	49	98	135	173	0	0	0	0	0
15	0	0	71	47	95	130	166	0	0	0	0	0
16	0	0	38	49	99	133	99	0	0	0	0	0
17	0	0	36	49	111	120	0	0	0	0	0	0
18	0	0	21	49	129	128	0	0	0	0	0	0
19	0	0	16	50	126	138	0	0	0	0	0	0
20	0	0	14	61	96	138	0	0	0	0	0	0
21	0	0	14	57	94	163	0	0	0	0	0	0
22	0	0	33	58	97	21	0	0	0	0	0	0
23	0	0	52	53	98	0	0	0	0	0	0	0
24	0	0	50	45	63	0	0	0	0	0	0	0
25	0	0	52	45	61	0	0	0	0	0	0	0
26	0	0	46	27	66	0	0	0	0	0	0	0
27	0	0	48	28	68	0	0	0	0	0	0	0
28	0	0	43	28	68	0	0	0	0	0	0	0
29	0	-	47	31	63	0	0	0	0	0	0	0
30	0	-	43	27	132	0	0	0	0	0	0	0
31	0	-	26	-	130	-	0	0	-	0	-	0
TOTAL	0	0	1,709	1,361	2,264	2,722	2,722	1,200	0	0	0	0
MAXIMUM DAY	0	0	89	74	132	163	188	188	0	0	0	0
MINIMUM DAY	0	0	14	23	22	0	0	0	0	0	0	0
MEAN	0	0	55	45	73	91	88	39	0	0	0	0
TOTAL AC.FT.	0	0	3,390	2,700	4,490	5,400	5,400	2,390	0	0	0	0
WHOLE YEAR:-	TOTAL,	11,978	MAX.,	188	MIN.,	0	MEAN,	33	TOTAL AC.FT.,	23,760		

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

Year: 1994

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	21	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	10
6	0	0	0	0	0	0	0	0	0	0	0	10
7	0	0	0	0	0	0	0	0	0	0	0	9
8	0	2	0	0	0	0	0	0	0	0	0	15
9	0	17	0	0	0	0	0	0	0	0	0	17
10	0	18	0	0	0	0	0	0	0	0	0	17
11	0	15	0	0	0	0	0	0	0	0	9	18
12	0	17	0	0	0	0	0	0	0	0	8	15
13	0	17	0	0	0	0	0	0	0	0	8	15
14	0	17	0	0	0	0	0	0	0	0	15	15
15	2	17	0	0	0	0	0	0	0	0	14	15
16	17	16	0	0	0	0	0	0	0	0	17	12
17	16	9	0	0	0	0	0	0	0	0	18	12
18	8	13	0	0	0	0	0	0	0	0	15	12
19	9	17	0	0	0	0	0	0	0	0	9	17
20	8	8	0	0	0	0	0	0	0	0	8	14
21	7	0	0	0	0	0	0	0	0	0	9	17
22	6	0	0	0	0	0	0	0	0	0	9	17
23	5	0	0	0	0	0	0	0	0	0	9	17
24	0	0	0	0	0	0	0	0	0	0	7	18
25	0	0	0	0	0	0	0	0	0	0	7	0
26	0	0	0	0	0	0	0	0	0	0	8	0
27	0	0	0	0	0	0	0	0	0	0	8	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	99	183	0	0	0	0	0	0	0	0	178	292
MAXIMUM DAY	21	18	0	0	0	0	0	0	0	0	18	18
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	3	7	0	0	0	0	0	0	0	0	6	9
TOTAL AC.FT.	197	362	0	0	0	0	0	0	0	0	353	579
WHOLE YEAR-- TOTAL,	752	752	MAX.,	21	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,491		

**City of Bakersfield Diverted to Cawelo Water District
(2800 Acre Well Water Purchase)**

Year: 1994

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	18	21	0	0	0	0
2	0	0	0	0	0	0	17	23	0	0	0	0
3	0	0	0	0	0	0	18	23	0	0	0	0
4	0	0	0	0	0	0	15	23	0	0	0	0
5	0	0	0	0	0	0	18	14	0	0	0	0
6	0	0	0	0	0	0	25	0	0	0	0	0
7	0	0	0	0	0	0	25	0	0	0	0	0
8	0	0	0	0	0	16	24	0	0	0	0	0
9	0	0	0	0	0	26	22	0	0	0	0	0
10	0	0	0	0	0	27	23	0	0	0	0	0
11	0	0	0	0	0	29	24	0	0	0	0	0
12	0	0	0	0	0	29	25	0	0	0	0	0
13	0	0	0	0	0	29	25	0	0	0	0	0
14	0	0	0	0	0	29	26	0	0	0	0	0
15	0	0	0	0	0	29	23	0	0	0	0	0
16	0	0	0	0	0	29	24	0	0	0	0	0
17	0	0	0	0	0	29	23	0	0	0	0	0
18	0	0	0	0	0	28	24	0	0	0	0	0
19	0	0	0	0	0	28	22	0	0	0	0	0
20	0	0	0	0	0	28	22	0	0	0	0	0
21	0	0	0	0	0	27	21	0	0	0	0	0
22	0	0	0	0	0	28	22	0	0	0	0	0
23	0	0	0	0	0	28	20	0	0	0	0	0
24	0	0	0	0	0	28	21	0	0	0	0	0
25	0	0	0	0	0	25	20	0	0	0	0	0
26	0	0	0	0	0	23	18	0	0	0	0	0
27	0	0	0	0	0	20	17	0	0	0	0	0
28	0	0	0	0	0	19	17	0	0	0	0	0
29	0	-	0	0	0	19	17	0	0	0	0	0
30	0	-	0	0	0	17	18	0	0	0	0	0
31	0	-	0	-	0	-	17	0	-	0	-	0
TOTAL	0	0	0	0	0	590	651	104	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	29	26	23	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	15	0	0	0	0	0
MEAN	0	0	0	0	0	20	21	3	0	0	0	0
TOTAL AC.FT.	0	0	0	0	0	1,171	1,291	206	0	0	0	0
WHOLE YEAR-- TOTAL,	1,345	1,345	MAX.,	29	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	2,668		

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

Year: 1994

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11	3	0	11	12	8	11	10	0	8	11	0
2	0	3	0	10	10	12	9	11	0	8	5	0
3	0	4	0	8	10	13	9	11	0	6	8	0
4	0	4	0	9	10	11	9	11	0	5	8	0
5	0	0	0	7	11	11	8	10	2	6	11	7
6	0	0	0	7	10	11	9	11	2	9	11	7
7	0	1	0	10	12	11	10	9	4	10	11	8
8	0	7	0	8	12	10	10	10	10	12	10	2
9	0	10	11	9	11	10	11	11	10	11	9	0
10	0	10	8	8	11	12	10	10	11	10	10	0
11	0	10	8	9	10	12	9	10	10	10	9	0
12	0	10	10	9	10	11	9	11	9	11	9	0
13	0	11	11	9	11	11	10	11	9	11	9	0
14	0	3	8	9	12	11	11	11	10	11	2	0
15	7	1	9	9	12	11	11	10	10	11	3	0
16	11	0	7	9	10	14	11	10	11	12	0	0
17	12	2	10	9	12	13	11	11	11	10	0	0
18	10	0	8	9	12	11	10	11	11	10	2	0
19	8	0	10	10	12	9	10	10	9	9	8	0
20	9	0	10	11	12	9	10	11	10	10	9	0
21	10	0	9	10	12	9	11	11	10	10	8	0
22	11	0	8	10	11	7	11	9	9	12	8	0
23	12	0	8	12	12	10	13	11	10	13	9	0
24	0	0	8	12	13	9	10	9	10	10	10	0
25	0	0	8	11	13	1	12	9	11	10	10	0
26	0	0	10	10	12	12	10	12	10	10	9	0
27	0	0	9	11	11	13	10	12	8	11	10	0
28	0	0	8	10	12	9	12	13	8	12	0	0
29	0	-	9	11	13	9	12	9	7	13	0	0
30	0	-	9	12	12	8	13	9	7	13	0	0
31	0	-	10	-	10	-	13	10	-	11	-	0
TOTAL	101	79	206	289	353	308	325	324	229	315	209	24
MAXIMUM DAY	12	11	11	12	13	14	13	13	11	13	11	8
MINIMUM DAY	0	0	0	7	10	1	8	9	0	5	0	0
MEAN	3	3	7	10	11	10	10	10	8	10	7	1
TOTAL AC.FT.	200	157	408	573	701	611	644	642	455	625	414	48
WHOLE YEAR-- TOTAL,		2,762	MAX.,	14	MIN.,	0	MEAN,	8	TOTAL AC.FT.,		5,478	

Year: 1994

Improvement District No. 4 Exchange Water Diverted via 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	0	0	0	0	0	21	0
2	0	0	0	0	0	0	0	0	0	0	27	0
3	0	0	0	0	0	0	0	0	0	0	24	0
4	0	0	0	0	0	0	0	0	0	0	25	0
5	0	0	0	0	0	0	0	0	0	0	21	0
6	0	0	0	0	0	0	0	0	0	0	21	0
7	0	0	0	0	0	0	0	0	0	0	7	0
8	0	0	0	0	0	0	0	0	0	26	22	0
9	0	0	0	0	0	0	0	0	0	40	23	0
10	0	0	0	0	0	0	0	0	0	40	7	0
11	0	0	0	0	0	0	0	0	0	37	0	0
12	0	0	0	0	0	0	0	0	29	14	0	0
13	0	0	0	0	0	0	0	0	31	15	0	0
14	0	0	0	0	0	0	0	0	28	15	0	0
15	0	0	0	0	0	0	0	0	37	14	0	0
16	0	0	0	0	0	0	0	0	36	14	0	0
17	0	0	0	0	0	0	0	0	36	0	0	0
18	0	0	0	0	0	0	0	0	36	0	0	0
19	0	0	0	0	0	0	0	0	37	0	0	0
20	0	0	0	0	0	0	0	0	37	0	0	0
21	0	0	0	0	0	0	0	0	34	0	0	0
22	0	0	0	0	0	0	0	0	33	22	0	0
23	0	0	0	0	0	0	0	0	18	21	0	0
24	0	0	0	0	0	0	0	0	16	0	0	0
25	0	0	0	0	0	0	0	0	16	0	0	0
26	0	0	0	0	0	0	0	0	17	0	0	0
27	0	0	0	0	0	0	0	0	22	0	0	0
28	0	0	0	0	0	0	0	0	37	5	0	0
29	0	-	0	0	0	0	0	0	12	4	0	0
30	0	-	0	0	0	0	0	0	19	4	0	0
31	0	-	0	-	0	-	0	0	-	7	-	0
TOTAL	0	0	0	0	0	0	0	0	531	278	198	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	37	40	27	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	18	9	7	0
TOTAL AC.FT.	0	0	0	0	0	0	0	0	1,053	552	393	0
WHOLE YEAR-- TOTAL,	1,007	1,007	MAX.,	40	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	1,998		

Year: 1994

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	15	0	0	0	0	0	0	128	19	0	0
2	0	14	0	0	0	0	0	0	131	18	0	0
3	0	28	0	0	0	0	0	0	121	19	0	0
4	0	33	0	0	0	0	0	0	122	21	0	0
5	0	34	0	0	0	0	0	0	119	4	0	0
6	0	36	0	0	0	0	0	0	119	2	0	0
7	0	17	0	0	0	0	0	3	103	0	0	0
8	0	0	0	0	0	0	0	180	97	0	0	0
9	0	0	0	0	0	0	0	155	61	0	0	0
10	0	0	0	0	0	0	0	147	57	0	0	0
11	0	0	0	0	0	0	0	130	54	0	0	0
12	0	0	0	0	0	0	0	159	30	0	0	0
13	0	0	0	0	0	0	0	153	32	0	0	0
14	0	0	0	0	0	0	0	154	34	0	0	0
15	0	14	0	0	0	0	0	161	38	0	0	0
16	0	19	0	0	0	0	69	159	37	0	0	0
17	0	22	0	0	0	0	166	163	35	0	0	0
18	0	8	0	0	0	0	168	164	35	0	0	0
19	0	16	0	0	0	0	169	149	39	1	0	0
20	0	44	0	0	0	0	186	138	38	0	0	0
21	0	50	0	0	0	0	188	137	34	0	0	0
22	0	52	0	0	0	143	174	141	34	0	0	0
23	0	35	0	4	0	181	169	155	36	0	0	0
24	18	37	0	9	0	162	153	160	33	0	0	0
25	3	35	0	16	0	188	169	170	31	0	0	0
26	20	34	0	0	0	161	173	164	34	0	0	0
27	21	35	0	0	0	172	151	162	16	0	0	0
28	20	35	0	0	0	173	133	153	2	0	0	0
29	19	-	0	0	0	190	111	161	0	0	0	0
30	19	-	0	0	0	195	105	123	0	0	0	0
31	18	-	0	-	0	-	136	131	-	0	-	0
TOTAL	138	613	0	29	0	1,565	2,420	3,672	1,650	84	0	0
MAXIMUM DAY	21	52	0	16	0	195	188	180	131	21	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	4	22	0	1	0	52	78	118	55	3	0	0
TOTAL AC.FT.	274	1,216	0	57	0	3,104	4,800	7,284	3,272	166	0	0
WHOLE YEAR:-	TOTAL,	10,171	MAX.,	195	MIN.,	0	MEAN,	28	TOTAL AC.FT.,	20,173		

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

Year: 1994

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+ Total Basic Contract Diverted	0	0	4,092	4,007	4,955	4,018	3,168	0	0	0	0	0	20,240
- Kern-Tulare Water District	0	0	3,558	3,484	4,309	3,494	2,755	0	0	0	0	0	17,600
= Rag Gulch Water District	0	0	534	523	646	524	413	0	0	0	0	0	2,640
+ Total "1983 Contract" Diverted	861	0	0	0	0	0	0	0	0	0	0	0	861
- Kern-Tulare Water District	748	0	0	0	0	0	0	0	0	0	0	0	748
= Rag Gulch Water District	113	0	0	0	0	0	0	0	0	0	0	0	113
+ Total Misc. Quantity Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
- Kern-Tulare Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
= Rag Gulch Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
= Total Diverted	861	0	4,092	4,007	4,955	4,018	3,168	0	0	0	0	0	21,101

+ via Calloway Canal	266	0	2,489	2,920	2,982	3,475	2,364	0	0	0	0	0	14,496
+ River Transportation Loss/Spreading	595	0	1,321	946	1,705	543	685	0	0	0	0	0	5,795
+ Carrier Canal Recharge	0	0	282	141	268	0	119	0	0	0	0	0	810
+ via Kern River Canal & Irrigating Co.	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	861	0	4,092	4,007	4,955	4,018	3,168	0	0	0	0	0	21,101
- Kern-Tulare Water District	748	0	3,558	3,484	4,309	3,494	2,755	0	0	0	0	0	18,348
= Rag Gulch Water District	113	0	534	523	646	524	413	0	0	0	0	0	2,753

+ 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: 1994

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	29	74	53	70	79	0	0	0	0	0
2	0	0	29	83	45	9	118	0	0	0	0	0
3	0	0	65	68	52	87	112	0	0	0	0	0
4	0	0	69	70	50	98	98	0	0	0	0	0
5	0	0	89	63	92	71	73	0	0	0	0	0
6	0	0	55	45	193	50	75	0	0	0	0	0
7	0	0	18	69	70	57	72	0	0	0	0	0
8	0	0	45	92	43	49	68	0	0	0	0	0
9	0	0	46	83	47	50	70	0	0	0	0	0
10	0	0	50	66	57	47	78	0	0	0	0	0
11	0	0	39	25	54	58	82	0	0	0	0	0
12	0	0	33	45	52	61	92	0	0	0	0	0
13	0	0	48	49	53	57	96	0	0	0	0	0
14	0	0	52	59	79	65	94	0	0	0	0	0
15	0	0	70	68	74	50	95	0	0	0	0	0
16	0	0	99	70	71	50	87	0	0	0	0	0
17	0	0	87	63	59	51	0	0	0	0	0	0
18	0	0	56	47	41	55	0	0	0	0	0	0
19	0	0	42	59	90	52	0	0	0	0	0	0
20	0	0	51	60	181	52	0	0	0	0	0	0
21	0	0	63	63	60	55	0	0	0	0	0	0
22	0	0	108	58	60	55	0	0	0	0	0	0
23	0	0	57	50	37	57	0	0	0	0	0	0
24	0	0	48	52	57	64	0	0	0	0	0	0
25	0	0	62	37	68	74	0	0	0	0	0	0
26	0	0	50	35	68	57	0	0	0	0	0	0
27	0	0	54	57	56	46	0	0	0	0	0	0
28	0	0	52	17	70	57	0	0	0	0	0	0
29	0	-	67	55	80	76	0	0	0	0	0	0
30	0	-	74	74	73	82	0	0	0	0	0	0
31	0	-	87	-	87	-	0	0	-	-	-	0
TOTAL	0	0	1,794	1,756	2,172	1,762	1,389	0	0	0	0	0
MAXIMUM DAY	0	0	108	92	193	98	118	0	0	0	0	0
MINIMUM DAY	0	0	18	17	37	9	0	0	0	0	0	0
MEAN	0	0	58	59	70	59	45	0	0	0	0	0
TOTAL AC.FT.	0	0	3,558	3,484	4,309	3,494	2,755	0	0	0	0	0
WHOLE YEAR--	TOTAL,	8,873	MAX.,	193	MIN.,	0	MEAN,	24	TOTAL AC.FT.,	17,600		

City of Bakersfield Diverted for Kern-Tulare WD (Kern-Tulare WD/Improvement District No. 4 Exchange) (1983 Contract)												Year: 1994		
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	0	0
2	27	0	0	0	0	0	0	0	0	0	0	0	0	0
3	28	0	0	0	0	0	0	0	0	0	0	0	0	0
4	28	0	0	0	0	0	0	0	0	0	0	0	0	0
5	28	0	0	0	0	0	0	0	0	0	0	0	0	0
6	27	0	0	0	0	0	0	0	0	0	0	0	0	0
7	28	0	0	0	0	0	0	0	0	0	0	0	0	0
8	28	0	0	0	0	0	0	0	0	0	0	0	0	0
9	28	0	0	0	0	0	0	0	0	0	0	0	0	0
10	28	0	0	0	0	0	0	0	0	0	0	0	0	0
11	28	0	0	0	0	0	0	0	0	0	0	0	0	0
12	28	0	0	0	0	0	0	0	0	0	0	0	0	0
13	29	0	0	0	0	0	0	0	0	0	0	0	0	0
14	28	0	0	0	0	0	0	0	0	0	0	0	0	0
15	14	0	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	0	0
17	0	0	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	0	0
19	0	0	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	0	0
21	0	0	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	0	0
23	0	0	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	0	0
25	0	0	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	0	0
27	0	0	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	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0	0	0
TOTAL	377	0	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	29	0	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	0	0
MEAN	12	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	748	0	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR-- TOTAL,	377	377	MAX.,	29	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	748				

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

Year: 1994

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	4	10	8	10	12	0	0	0	0	0
2	0	0	4	13	7	1	18	0	0	0	0	0
3	0	0	10	10	8	13	17	0	0	0	0	0
4	0	0	10	11	7	16	15	0	0	0	0	0
5	0	0	15	10	14	11	11	0	0	0	0	0
6	0	0	8	7	29	8	11	0	0	0	0	0
7	0	0	3	10	11	8	11	0	0	0	0	0
8	0	0	7	14	6	7	10	0	0	0	0	0
9	0	0	7	12	7	7	11	0	0	0	0	0
10	0	0	7	10	9	7	12	0	0	0	0	0
11	0	0	6	4	8	9	12	0	0	0	0	0
12	0	0	5	7	8	9	14	0	0	0	0	0
13	0	0	7	7	8	8	14	0	0	0	0	0
14	0	0	8	9	12	10	14	0	0	0	0	0
15	0	0	10	10	11	8	14	0	0	0	0	0
16	0	0	16	10	11	7	12	0	0	0	0	0
17	0	0	13	10	9	8	0	0	0	0	0	0
18	0	0	8	7	6	8	0	0	0	0	0	0
19	0	0	6	9	13	8	0	0	0	0	0	0
20	0	0	8	9	27	8	0	0	0	0	0	0
21	0	0	10	9	9	8	0	0	0	0	0	0
22	0	0	16	9	9	8	0	0	0	0	0	0
23	0	0	8	8	6	9	0	0	0	0	0	0
24	0	0	7	8	8	10	0	0	0	0	0	0
25	0	0	9	6	10	11	0	0	0	0	0	0
26	0	0	7	5	10	8	0	0	0	0	0	0
27	0	0	8	9	8	7	0	0	0	0	0	0
28	0	0	8	3	11	8	0	0	0	0	0	0
29	0	-	10	8	12	12	0	0	0	0	0	0
30	0	-	11	10	11	12	0	0	0	0	0	0
31	0	-	13	-	13	-	0	-	-	-	-	0
TOTAL	0	0	269	264	326	264	208	0	0	0	0	0
MAXIMUM DAY	0	0	16	14	29	16	18	0	0	0	0	0
MINIMUM DAY	0	0	3	3	6	1	0	0	0	0	0	0
MEAN	0	0	9	9	11	9	7	0	0	0	0	0
TOTAL AC-FT.	0	0	534	523	646	524	413	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,331	MAX.,	29	MIN.,	0	MEAN,	4	TOTAL AC-FT.,	2,640		

City of Bakersfield Diverted for Rag Gulch WD
(Rag Gulch WD/Improvement District No. 4 Exchange)
(1983 Contract)

Year: 1994

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	4	0	0	0	0	0	0	0	0	0	0	0
3	4	0	0	0	0	0	0	0	0	0	0	0
4	4	0	0	0	0	0	0	0	0	0	0	0
5	5	0	0	0	0	0	0	0	0	0	0	0
6	4	0	0	0	0	0	0	0	0	0	0	0
7	4	0	0	0	0	0	0	0	0	0	0	0
8	4	0	0	0	0	0	0	0	0	0	0	0
9	4	0	0	0	0	0	0	0	0	0	0	0
10	4	0	0	0	0	0	0	0	0	0	0	0
11	5	0	0	0	0	0	0	0	0	0	0	0
12	4	0	0	0	0	0	0	0	0	0	0	0
13	4	0	0	0	0	0	0	0	0	0	0	0
14	4	0	0	0	0	0	0	0	0	0	0	0
15	3	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	57	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	5	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	2	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	113	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR-- TOTAL,	57	0	0	5	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0	113	0

DISCHARGE IN CUBIC FEET PER SECOND												Total Flow via the Rosedale Channel at Head (All Sources) (Diverted from Kern River Channel)												Year: 1994											
DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC																							
1	0	0	0	0	0	0	0	0	0	0	0	0																							
2	0	0	0	0	0	0	0	0	0	0	0	0																							
3	0	0	0	0	0	0	0	0	0	0	0	0																							
4	0	0	0	0	0	0	0	0	0	0	0	0																							
5	0	0	0	0	0	0	0	0	0	0	0	0																							
6	0	0	0	0	0	0	0	0	0	0	0	0																							
7	0	0	0	0	0	0	0	0	0	0	0	0																							
8	0	0	0	0	0	0	0	0	0	0	0	0																							
9	0	0	0	0	0	0	0	0	0	0	0	0																							
10	0	0	0	0	0	0	0	0	0	0	0	0																							
11	0	0	0	0	0	0	0	0	0	0	0	0																							
12	0	0	0	0	0	0	0	0	0	0	0	0																							
13	0	0	0	0	0	0	0	0	0	0	0	0																							
14	0	0	0	0	0	0	0	0	0	0	0	0																							
15	0	0	0	0	0	0	0	0	0	0	0	0																							
16	0	0	0	0	0	0	0	0	0	0	0	0																							
17	0	0	0	0	0	0	0	0	0	0	0	0																							
18	0	0	0	0	0	0	0	0	0	0	0	0																							
19	0	0	0	0	0	0	0	0	0	0	0	0																							
20	0	0	0	0	0	0	0	0	0	0	0	0																							
21	0	0	0	0	0	0	0	0	0	0	0	0																							
22	0	0	0	0	0	0	0	0	0	0	0	0																							
23	0	0	0	0	0	0	0	0	0	0	0	0																							
24	0	0	0	0	0	0	0	0	0	0	0	0																							
25	0	0	0	0	0	0	0	0	0	0	0	0																							
26	0	0	0	0	0	0	0	0	0	0	0	0																							
27	0	0	0	0	0	0	0	0	0	0	0	0																							
28	0	0	0	0	0	0	0	0	0	0	0	0																							
29	0	-	0	0	0	0	0	0	0	0	0	0																							
30	0	-	0	0	0	0	0	0	0	0	0	0																							
31	0	-	0	-	0	-	0	0	-	0	-	0																							
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0																							
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0																							
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0																							
MEAN	0	0	0	0	0	0	0	0	0	0	0	0																							
TOTAL AC-FT.	0	0	0	0	0	0	0	0	0	0	0	0																							
WHOLE YEAR-	TOTAL,	73	MAX.,	73	MIN.,	73	MEAN,	0	TOTAL AC-FT.,	145																									

City of Bakersfield Diverted for Rosedale Rio Bravo WSD via Calloway River Weir (Basic Contract) (Pursuant to Rosedale RIBWSD letter dated December 20, 1994)												Year: 1994		
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	0	0
2	0	0	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	0	0
4	0	0	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	0	0
6	0	0	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	0	0
8	0	0	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	0	0
10	0	0	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	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	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	0	0
16	0	0	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	0	0
18	0	0	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	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	20
21	0	0	0	0	0	0	0	0	0	0	0	0	0	42
22	0	0	0	0	0	0	0	0	0	0	0	0	0	46
23	0	0	0	0	0	0	0	0	0	0	0	0	0	65
24	0	0	0	0	0	0	0	0	0	0	0	0	0	87
25	0	0	0	0	0	0	0	0	0	0	0	0	0	140
26	0	0	0	0	0	0	0	0	0	0	0	0	0	167
27	0	0	0	0	0	0	0	0	0	0	0	0	0	149
28	0	0	0	0	0	0	0	0	0	0	0	0	0	125
29	0	-	0	0	0	0	0	0	0	0	0	0	0	152
30	0	-	0	0	0	0	0	0	0	0	0	0	0	181
31	0	-	0	-	0	-	0	0	-	0	-	0	0	181
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	104
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0	0	1,459
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0	0	181
MEAN	0	0	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	0	47
WHOLE YEAR-- TOTAL,	1,459	0	0	0	0	0	0	0	0	0	0	0	0	2,894
MAX.,	181	0	0	0	0	0	0	0	0	0	0	0	0	0
MIN.,	0	0	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	0	0
TOTAL AC.FT.,	4	0	0	0	0	0	0	0	0	0	0	0	0	2,894

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

Year: 1994

Quantities in acre-feet

1	2	3	4	5		6		7		8		9	10
				(d)		(e)		(f)	Other				
(a)	(b)	(c)	Total Kern River Delivered	No Charge (1st 4000)	Basic Contract acre-feet Sold at \$1.00	Miscellaneous acre-feet Sold at \$6.00	Miscellaneous acre-feet Sold at \$21.00			Mandatory Release Delivered			
January	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	(g) 3,039	3,039	0	0	0	0	0	0	0	0
Total	0	0	0	3,039	3,039	0	0	0	0	0	0	0	0

3,766	=	Current Escalator	=	3,766
\$0.00	=	Totals	=	\$0.00
				(per 1961 Agreement)

16,890	1993
0	1992
0	1991
0	1990
16,890	Five Year Totals
3,378	Five Year Averages

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.
- (g) Includes 2,894 acre-feet delivered to Improvement District #4 pursuant to RRBWSD letter dated December 20, 1994.

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	
							(4)	CONTRACT BALANCE (3)
							(4)	60,000
1976	0	0	0	0	10,000	(10,000)		50,000
1977	2,199	0	2,199	2,199	10,000	(7,801)		42,199
1978	76,365	4,371	71,994	10,000	10,000	0		42,199
1979	14,568	9,921	4,647	4,647	10,000	(5,353)		36,846
1980	70,790	4,167	66,623	10,000	10,000	0		36,846
1981	773	0	773	773	10,000	(9,227)		27,619
1982	88,374	40,595	47,779	10,000	10,000	0		27,619
1983	134,534	1,440	133,094	10,000	10,000	0		27,619
1984	38,854	0	38,854	10,000	10,000	0		27,619
1985	20,694	0	20,694	0	10,000	(10,000)		17,619
1986	87,761	5,209	82,552	20,000	10,000	10,000		27,619
1987	6,000	0	6,000	0	10,000	(10,000)		17,619
1988	7,845	0	7,845	0	10,000	(10,000)		7,619
1989	4,500	0	4,500	0	10,000	(10,000)		(2,381)
1990	0	0	0	0	10,000	(10,000)		(12,381)
1991	9,076	0	9,076	9,076	10,000	(924)		(13,305)
1992	1,117	0	1,117	1,117	10,000	(8,883)		(22,188)
1993	55,710	28,820	26,890	10,000	10,000	0		(22,188)
1994	3,039	0	3,039	3,039	10,000	(6,961)		(29,149)

(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

Year: 1994

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
City Entitlement + or - Release	1,230	995	13,458	14,745	19,110	15,796	1,909	0	40	1,230	1,190	896	70,599
Lake Ming	16	16	44	60	77	105	127	121	91	65	42	26	790
North Kern Water Storage District	0	0	0	0	171	5,000	5,000	9,829	0	0	0	0	20,000
Cawelo Water District	0	0	3,390	2,700	4,490	5,400	5,400	2,380	0	0	0	0	23,760
Kern-Tulare Water District	748	0	3,558	3,484	4,309	3,494	2,755	0	0	0	0	0	18,348
Rag Gulch Water District	113	0	534	523	646	524	413	0	0	0	0	0	2,753
Rosedale Rio Bravo WSD	0	0	0	0	0	0	0	0	0	0	0	3,039	3,039
Kern River Canal & Irrigating Co.	0	0	0	0	0	300	2,763	2,142	415	371	274	14	6,279
First Point Passing Second Point	0	0	0	0	0	0	0	0	0	0	0	0	0
Isabella Reservoir Loss	94	89	228	369	639	1,015	842	147	30	13	11	6	3,483
River Transportation Loss	176	253	711	795	491	1,582	1,754	772	0	1	(1)	439	6,973
Total Basic Commitments	1,147	358	8,465	7,931	10,823	17,420	19,054	15,391	536	450	326	3,524	85,425

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												

Over (Under) City Miscellaneous Water Obligation.....	0
Prior Year Miscellaneous Water Delivery Balance.....	(14,521)
Cumulative Miscellaneous Water Delivery Balance.....	(14,521)

STATUS OF CONTRACT
ROSEDALE RIO BRAVO WATER STORAGE DISTRICT

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

Quantities in acre-feet

Year	(A) TOTAL CITY MISCELLANEOUS WATER	(B) RRBWS 1/3 SHARE OF MISC.	(C) MISC. WATER DELIVERED TO RRBWS (1)	(D) OVER (UNDER) 1/3 SHARE	(E) END of YEAR CUMULATIVE MISC. WATER BALANCE
					0
1977	0	0	0	0	0
1978	75,473	25,158	29,405	4,247	4,247
1979	34,885	11,628	0	(11,628)	(7,381)
1980	81,572	27,191	28,246	1,055	(6,326)
1981	1,634	545	0	(545)	(6,871)
1982	184,335	61,445	37,779	(23,666)	(30,537)
1983	64,686	21,562	12,292	(9,270)	(39,807)
1984	56,816	18,939	20,856	1,917	(37,890)
1985	50,537	16,846	20,694	3,848	(34,042)
1986	161,307	53,769	56,590	2,821	(31,221)
1987	0	0	6,000	6,000	(25,221)
1988	2,157	719	7,845	7,126	(18,095)
1989	3,838	1,279	4,500	3,221	(14,874)
1990	0	0	0	0	(14,874)
1991	0	0	0	0	(14,874)
1992	0	0	0	0	(14,874)
1993	49,610	16,537	16,890	353	(14,521)
1994	0	0	0	0	(14,521)

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: 1994

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	0	0	0	54	911	576	0	0	0	0	0	0	1,541
Release	0	0	0	0	0	0	0	0	0	0	0	0	0
ENTITLEMENT + OR - RELEASE	=	0	0	54	911	576	0	0	0	0	0	0	1,541
Oilfield Discharge	192	446	159	0	0	0	0	0	125	53	91	0	1,066
Other	0	0	0	0	0	300	2,763	2,142	415	371	274	14	6,279
Into Isabella Storage	0	0	0	0	238	10	0	0	0	0	0	0	248
From Isabella Storage	0	339	1,279	1,360	543	1,627	0	0	0	0	0	0	5,148
To NKWSD in Isabella Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED AT HEAD	=	192	785	1,438	1,414	2,493	2,763	2,142	540	424	365	14	13,786
Irrigation Deliveries	170	694	1,300	1,258	829	2,143	2,548	1,939	455	349	315	8	12,008
NKWSD at Seventh Standard Line	0	0	0	16	274	172	0	0	0	0	0	0	462
Cawelo WD at Pump Station "B"	0	0	0	0	0	0	0	0	0	0	0	0	0
Spreading Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Canal Loss	22	91	138	140	113	178	215	203	85	75	50	6	1,316
Irrigation Delivery Percentage	=	89%	88%	90%	91%	93%	92%	91%	84%	82%	86%	57%	90%

Into Isabella Storage	0	0	0	0	238	10	0	0	0	0	0	0	248
Isabella Evaporation Loss	27	26	44	42	36	26	0	0	0	0	0	0	201
From Isabella Storage	0	339	1,279	1,360	543	1,627	0	0	0	0	0	0	5,148
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
End of Month Isabella Storage	5,074	4,709	3,386	1,984	1,643	0							

SOUTH FORK DIVERSION RIGHT SUMMARY

Quantities in acre-feet

Year: 1994

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	71	486	0	56	163	107	0	0	18	0	18	0	919
Release	(71)	(192)	20	(8)	(32)	0	0	0	(16)	0	125	26	(148)
Entitlement + or - Release	0	294	20	48	131	107	0	0	2	0	143	26	771
Into Isabella Storage	0	231	0	34	97	30	0	0	2	0	143	6	543
From Isabella Storage	0	0	51	34	12	153	258	196	40	0	0	0	744
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries	0	63	71	48	46	230	258	196	40	0	0	20	972
Old South Fork	0	0	0	0	0	0	0	0	0	0	0	0	0
Panama Ranch	0	63	71	48	46	230	258	196	40	0	0	20	972

Into Isabella Storage	0	231	0	34	97	30	0	0	2	0	143	6	543
From Isabella Storage	0	0	51	34	12	153	258	196	40	0	0	0	744
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
End of Month Isabella Storage	600	831	780	780	865	742	484	288	250	250	393	399	

Year: 1994

City of Bakersfield Diverted to Ocese Water District

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	1	1	2	2	0	0	0	0	0	0	0
2	1	2	2	2	2	0	0	0	0	0	0	0
3	0	1	1	2	2	0	0	0	0	0	0	0
4	1	1	1	2	3	0	0	0	0	0	0	0
5	0	2	1	2	2	0	0	0	0	0	0	0
6	1	1	1	2	2	0	0	0	0	0	0	0
7	1	2	2	2	2	0	0	0	0	0	0	0
8	1	1	1	2	3	0	0	0	0	0	0	0
9	0	2	2	2	2	0	0	0	0	0	0	0
10	0	1	1	2	2	0	0	0	0	0	0	0
11	0	1	1	2	2	0	0	0	0	0	0	0
12	1	2	1	2	3	0	0	0	0	0	0	0
13	0	2	2	2	2	0	0	0	0	0	0	0
14	1	1	1	2	2	0	0	0	0	0	0	0
15	0	1	1	2	2	0	0	0	0	0	0	0
16	1	2	1	2	2	0	0	0	0	0	0	0
17	0	1	2	2	0	0	0	0	0	0	0	0
18	1	2	1	2	0	0	0	0	0	0	0	0
19	0	1	1	2	0	0	0	0	0	0	0	0
20	0	1	2	2	0	0	0	0	0	0	0	0
21	1	1	1	2	0	0	0	0	0	0	0	0
22	1	2	1	2	0	0	0	0	0	0	0	0
23	0	1	2	2	0	0	0	0	0	0	0	0
24	1	2	1	2	0	0	0	0	0	0	0	0
25	0	1	1	2	0	0	0	0	0	0	0	0
26	1	1	2	2	0	0	0	0	0	0	0	0
27	0	2	1	2	0	0	0	0	0	0	0	0
28	1	2	1	2	0	0	0	0	0	0	0	0
29	1	-	1	2	0	0	0	0	0	0	0	0
30	0	-	2	2	0	0	0	0	0	0	0	0
31	1	-	1	-	0	-	0	0	-	0	-	0
TOTAL	16	40	40	60	35	0	0	0	0	0	0	0
MAXIMUM DAY	1	2	2	2	3	0	0	0	0	0	0	0
MINIMUM DAY	0	1	1	2	0	0	0	0	0	0	0	0
MEAN	1	1	1	2	1	0	0	0	0	0	0	0
TOTAL AC.FT.	32	79	79	118	70	0	0	0	0	0	0	0
WHOLE YEAR-- TOTAL,	191	MAX.,	3	MIN.,	1	TOTAL AC.FT.,	378					

Year: 1994

City of Bakersfield Diverted to Kern Valley Golf Course

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	1	0	0	1	1	0	0
2	0	0	0	0	1	0	1	1	0	0	0	0
3	0	0	1	0	0	1	0	0	0	0	0	0
4	0	0	0	1	0	0	1	1	1	0	0	0
5	0	0	0	0	0	1	1	0	0	1	1	0
6	0	0	0	0	1	0	0	1	0	0	0	0
7	0	0	0	1	0	1	1	0	1	0	0	0
8	0	0	0	0	1	0	0	1	0	0	0	0
9	1	0	0	0	0	1	1	0	1	0	0	0
10	0	0	0	0	1	0	0	1	0	0	0	0
11	0	0	0	1	0	1	1	0	0	1	0	0
12	0	0	0	0	1	0	0	1	1	0	0	0
13	0	0	0	0	0	1	1	0	1	0	0	0
14	0	0	0	1	1	1	0	1	0	0	0	0
15	0	0	0	0	0	0	1	0	0	1	0	0
16	0	0	0	1	1	1	0	1	0	0	0	0
17	0	0	0	0	0	0	1	0	1	0	0	0
18	0	0	0	0	1	1	0	1	0	0	0	0
19	0	0	0	0	0	0	1	0	1	1	0	0
20	0	0	0	1	1	1	0	1	0	0	0	0
21	0	0	0	0	0	1	1	0	0	0	0	0
22	0	0	1	1	1	0	0	1	0	0	0	0
23	0	0	0	0	0	1	1	0	1	1	0	0
24	0	0	0	0	1	0	0	1	0	0	0	0
25	0	0	0	1	0	1	1	0	1	0	0	0
26	0	0	0	0	1	0	0	1	0	0	0	0
27	0	0	0	0	0	1	1	0	1	0	0	0
28	0	0	0	0	0	1	0	1	0	0	0	0
29	0	-	0	0	0	0	1	0	1	1	0	0
30	0	-	0	1	1	1	0	1	0	0	0	0
31	0	-	0	-	0	-	1	0	-	0	-	0
TOTAL	1	0	2	9	13	17	16	15	12	7	1	0
MAXIMUM DAY	1	0	1	1	1	1	1	1	1	1	1	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	1	1	0	0	0	0	0
TOTAL AC.FT.	2	0	4	18	27	33	32	31	24	13	2	0
WHOLE YEAR-- TOTAL,	93	MAX.,	1	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	186			

Year: 1994

City of Bakersfield 2800 Acre Well Water Diverted to County of Kern
(Pursuant to City/County Letter Agreement dated April 20, 1994)

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	5	8	34	0	0	0
2	0	0	0	0	0	0	5	8	34	0	0	0
3	0	0	0	0	0	0	5	8	34	0	0	0
4	0	0	0	0	0	0	5	8	34	0	0	0
5	0	0	0	0	0	0	5	8	34	0	0	0
6	0	0	0	0	0	0	5	8	34	0	0	0
7	0	0	0	0	0	0	5	8	34	0	0	0
8	0	0	0	0	0	0	5	13	12	0	0	0
9	0	0	0	0	0	0	5	12	0	0	0	0
10	0	0	0	0	0	0	5	14	0	0	0	0
11	0	0	0	0	0	0	5	11	0	0	0	0
12	0	0	0	0	0	0	5	14	0	0	0	0
13	0	0	0	0	0	0	5	10	0	0	0	0
14	0	0	0	0	0	0	5	1	0	0	0	0
15	0	0	0	0	0	0	5	8	0	0	0	0
16	0	0	0	0	0	0	5	10	0	0	0	0
17	0	0	0	0	0	0	5	10	0	0	0	0
18	0	0	0	0	0	0	5	21	0	0	0	0
19	0	0	0	0	0	0	5	24	0	0	0	0
20	0	0	0	0	0	0	5	18	0	0	0	0
21	0	0	0	0	0	0	5	18	0	0	0	0
22	0	0	0	0	0	0	5	18	0	0	0	0
23	0	0	0	0	0	0	5	17	0	0	0	0
24	0	0	0	0	0	0	5	20	0	0	0	0
25	0	0	0	0	0	0	5	18	0	0	0	0
26	0	0	0	0	0	0	5	19	0	0	0	0
27	0	0	0	0	0	0	5	19	0	0	0	0
28	0	0	0	0	0	0	5	19	0	0	0	0
29	0	0	0	0	0	0	5	19	0	0	0	0
30	0	0	0	0	0	0	5	23	0	0	0	0
31	0	0	0	0	0	0	5	34	0	0	0	0
TOTAL	0	0	0	0	0	0	155	446	250	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	5	34	34	0	0	0
MINIMUM DAY	0	0	0	0	0	0	5	1	0	0	0	0
MEAN	0	0	0	0	0	0	5	14	8	0	0	0
TOTAL AC.FT.	0	0	0	0	0	0	308	885	495	0	0	0
WHOLE YEAR-- TOTAL,	851	851	851	34	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,688		

Cross Valley Canal - Turnout #1 to Kern River Channel
(As reported by Kern County Water Agency)
Year: 1994

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	94	0	0	0	0	0	0	0	0	0	0
8	0	235	0	0	0	0	0	0	0	0	0	0
9	0	232	0	0	0	0	0	0	0	0	0	0
10	0	226	0	0	0	0	0	0	0	0	0	0
11	0	239	0	0	0	0	0	0	0	0	0	0
12	0	245	0	0	0	0	0	0	0	0	0	0
13	0	239	0	0	0	0	0	0	0	0	0	0
14	0	235	0	0	0	0	0	0	0	0	0	0
15	0	245	0	0	0	0	0	0	0	0	0	0
16	0	235	0	0	0	0	0	0	0	0	0	0
17	0	245	0	0	0	0	0	0	0	0	0	0
18	0	230	0	0	0	0	0	0	0	0	0	0
19	0	221	0	0	0	0	0	0	0	0	0	0
20	0	239	0	0	0	0	0	0	0	0	0	0
21	0	233	0	0	0	0	0	0	0	0	0	0
22	0	231	0	0	0	0	0	0	0	0	0	0
23	0	241	0	0	0	0	0	0	0	0	0	0
24	0	241	0	0	0	0	0	0	0	0	0	0
25	126	230	0	0	0	0	0	0	0	0	0	0
26	249	199	0	0	0	0	0	0	0	0	0	0
27	249	231	0	0	0	0	0	0	0	0	0	0
28	252	140	0	0	0	0	0	0	0	0	0	0
29	255	-	0	0	0	0	0	0	0	0	0	0
30	255	-	0	0	0	0	0	0	0	0	0	0
31	171	-	0	-	0	-	0	0	-	0	-	0
TOTAL	1,557	4,906	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	255	245	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	50	175	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	3,088	9,731	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	6,463	MAX.,	255	MIN.,	0	MEAN,	18	TOTAL AC.FT.,	12,819		

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

Year: 1994

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	19	0	0	0	0	0	0	0	0	0	0
8	0	153	0	0	0	0	0	0	0	0	0	0
9	0	153	0	0	0	0	0	0	0	0	0	0
10	0	155	0	0	0	0	0	0	0	0	0	0
11	0	155	0	0	0	0	0	0	0	0	0	0
12	0	155	0	0	0	0	0	0	0	0	0	0
13	0	155	0	0	0	0	0	0	0	0	0	0
14	0	154	0	0	0	0	0	0	0	0	0	0
15	0	155	0	0	0	0	0	0	0	0	0	0
16	0	157	0	0	0	0	0	0	0	0	0	0
17	0	156	0	0	0	0	0	0	0	0	0	0
18	0	149	0	0	0	0	0	0	0	0	0	0
19	0	146	0	0	0	0	0	0	0	0	0	0
20	0	155	0	0	0	0	0	0	9	0	0	0
21	0	155	0	0	0	0	0	0	0	0	0	0
22	0	156	0	0	0	0	0	0	0	0	0	0
23	0	152	0	0	0	0	0	0	0	0	0	0
24	0	67	0	0	0	0	0	0	0	0	0	0
25	84	63	0	0	0	0	0	0	0	0	0	0
26	167	57	0	0	0	0	0	0	0	0	0	0
27	167	56	0	0	0	0	0	0	0	0	0	0
28	167	9	0	0	0	0	0	0	0	0	0	0
29	167	-	0	0	0	0	0	0	0	0	0	0
30	167	-	0	0	0	0	0	0	0	0	0	0
31	105	-	0	-	0	-	0	0	-	0	-	0
TOTAL	1,024	2,732	0	0	0	0	0	0	9	0	0	0
MAXIMUM DAY	167	157	0	0	0	0	0	0	9	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	33	98	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	2,031	5,418	0	0	0	0	0	0	19	0	0	0
WHOLE YEAR-- TOTAL,	TOTAL,	3,765	MAX.,	167	MIN.,	0	MEAN,	10	TOTAL AC.FT.,	7,468		

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

Year: 1994

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	23	0	0	0	0	0	0	0	0	0	0
8	0	47	0	0	0	0	0	0	0	0	0	0
9	0	42	0	0	0	0	0	0	0	0	0	0
10	0	71	0	0	0	0	0	0	0	0	0	0
11	0	80	0	0	0	0	0	0	0	0	0	0
12	0	70	0	0	0	0	0	0	0	0	0	0
13	0	54	0	0	0	0	0	0	0	0	0	0
14	0	71	0	0	0	0	0	0	0	0	0	0
15	0	73	0	0	0	0	0	0	0	0	0	0
16	0	75	0	0	0	0	0	0	0	0	0	0
17	0	78	0	0	0	0	0	0	0	0	0	0
18	0	97	0	0	0	0	0	0	0	0	0	0
19	0	99	0	0	0	0	0	0	0	0	0	0
20	0	91	0	0	0	0	0	0	0	0	0	0
21	0	73	0	0	0	0	0	0	0	0	0	0
22	0	77	0	0	0	0	0	0	0	0	0	0
23	0	88	0	0	0	0	0	0	0	0	0	0
24	0	88	0	0	0	0	0	0	0	0	0	0
25	38	30	0	0	0	0	0	0	0	0	0	0
26	70	29	0	0	0	0	0	0	0	0	0	0
27	70	30	0	0	0	0	0	0	0	0	0	0
28	70	19	0	0	0	0	0	0	0	0	0	0
29	70	-	0	0	0	0	0	0	0	0	0	0
30	86	-	0	0	0	0	0	0	0	0	0	0
31	49	-	0	-	0	-	0	0	-	0	-	0
TOTAL	453	1,405	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	86	99	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	15	50	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	898	2,786	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,858	MAX.,	99	MIN.,	0	MEAN,	5	TOTAL AC.FT.,	3,684		

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

Year: 1994

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	26	0	0	0	0	0
2	0	0	0	0	0	0	58	0	0	0	0	0
3	0	0	0	0	0	0	53	0	0	0	0	0
4	0	0	0	0	0	0	45	0	0	0	0	0
5	0	0	0	0	0	0	28	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	38	0	0	0	0	0	0	0	0	0	0
8	0	88	0	0	0	0	0	0	0	0	0	0
9	0	89	0	0	0	0	0	0	0	0	0	0
10	0	59	0	0	0	0	0	0	0	0	0	0
11	0	59	0	0	0	0	0	0	0	0	0	0
12	0	59	0	0	0	0	0	0	0	0	0	0
13	0	58	0	0	0	0	0	0	0	0	0	0
14	0	58	0	0	0	0	0	0	0	0	0	0
15	0	57	0	0	0	0	0	0	0	0	0	0
16	0	56	0	0	0	0	0	0	0	0	0	0
17	0	60	0	0	0	0	0	0	0	0	0	0
18	0	59	0	0	0	0	0	0	0	0	0	0
19	0	60	0	0	0	0	0	0	0	0	0	0
20	0	60	0	0	0	0	0	0	0	0	0	0
21	0	60	0	0	0	0	0	0	0	0	0	0
22	0	60	0	0	0	0	0	17	0	0	0	0
23	0	60	0	0	0	0	0	0	0	0	0	0
24	0	58	0	0	0	0	0	0	0	0	0	0
25	40	58	0	0	0	0	0	0	0	0	0	0
26	90	59	0	0	0	0	0	0	0	0	0	0
27	90	58	0	0	0	0	0	0	0	0	0	0
28	90	23	0	0	0	0	0	0	0	0	0	0
29	90	-	0	0	0	0	0	0	0	0	0	0
30	90	-	0	0	0	0	0	0	0	0	0	0
31	64	-	0	-	0	-	0	0	-	0	-	0
TOTAL	554	1,296	0	0	0	0	210	17	0	0	0	0
MAXIMUM DAY	90	89	0	0	0	0	58	17	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	18	46	0	0	0	0	7	1	0	0	0	0
TOTAL AC.FT.	1,099	2,571	0	0	0	0	416	34	0	0	0	0
WHOLE YEAR:-	TOTAL,	2,077	MAX.,	90	MIN.,	0	MEAN,	6	TOTAL AC.FT.,	4,120		

Cross Valley Canal - Pioneer Siphon
(As reported by Kern County Water Agency)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1994

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	19	0	0	0	0	0	0	0	0	0	0
8	0	38	0	0	0	0	0	0	0	0	0	0
9	0	38	0	0	0	0	0	0	0	0	0	0
10	0	38	0	0	0	0	0	0	0	0	0	0
11	0	38	0	0	0	0	0	0	0	0	0	0
12	0	38	0	0	0	0	0	0	0	0	0	0
13	0	38	0	0	0	0	0	0	0	0	0	0
14	0	38	0	0	0	0	0	0	0	0	0	0
15	0	38	0	0	0	0	0	0	0	0	0	0
16	0	38	0	0	0	0	0	0	0	0	0	0
17	0	38	0	0	0	0	0	0	0	0	0	0
18	0	38	0	0	0	0	0	0	0	0	0	0
19	0	38	0	0	0	0	0	0	0	0	0	0
20	0	38	0	0	0	0	0	0	0	0	0	0
21	0	38	0	0	0	0	0	0	0	0	0	0
22	0	38	0	0	0	0	0	0	0	0	0	0
23	0	38	0	0	0	0	0	0	0	0	0	0
24	0	38	0	0	0	0	0	0	0	0	0	0
25	22	38	0	0	0	0	0	0	0	0	0	0
26	38	38	0	0	0	0	0	0	0	0	0	0
27	38	38	0	0	0	0	0	0	0	0	0	0
28	38	10	0	0	0	0	0	0	0	0	0	0
29	38	-	0	0	0	0	0	0	0	0	0	0
30	38	-	0	0	0	0	0	0	0	0	0	0
31	24	-	0	-	0	-	0	0	-	0	-	0
TOTAL	236	789	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	38	38	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	8	28	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	469	1,565	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,025	MAX.,	38	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	2,034		

NORTH KERN WATER STORAGE DISTRICT

NORTH KERN WATER STORAGE DISTRICT

Year: 1994

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWS River Entitlement	60	2,206	113	2,133	7,184	5,147	52	0	0	0	0	0	16,895
Releasee	8,917	4,194	413	1,088	1,654	0	0	0	330	7,126	5,693	4,864	34,279
ENTITLEMENT + OR - RELEASE	8,977	6,400	526	3,221	8,838	5,147	52	0	330	7,126	5,693	4,864	51,174
From KRC & Irr. Company	0	0	0	16	274	172	0	0	0	0	0	0	462
From City of Bakerfield	0	0	0	799	1,540	6,171	6,291	10,035	0	750	477	175	26,238
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 Isabella Reservoir Storage	172	5,404	13,053	9,965	536	7,158	15,532	8,525	1,737	622	516	500	63,720
To City of Bakerfield	0	0	0	0	321	0	0	0	0	0	0	3,617	3,938
To Cawelo Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
To La Hacienda, Inc.	17	9	0	4	0	0	0	0	0	0	58	36	124
To Improvement District #4	2,651	0	0	0	0	0	0	0	0	552	393	0	3,596
Into Isabella Reservoir Storage	1,339	429	0	480	4,836	4,985	4,451	9,338	264	754	535	256	27,667
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	172	0	0	(44)	0	0	0	0	131
TOTAL DIVERTED FROM RIVER	5,142	11,366	13,579	13,517	6,203	13,663	17,424	9,178	1,803	7,192	5,700	1,633	106,400
Loss to Seventh Standard Line	61	66	62	60	64	60	61	61	72	61	96	137	861
Oilfield Discharge	520	802	774	778	916	819	861	853	793	898	809	235	9,058
NKWS Deep Well Production	0	0	0	0	6,272	7,509	8,075	8,063	5,687	914	0	0	36,520
Private Well Production	0	0	0	0	225	288	313	288	287	4	0	0	1,405
Poso Creek Natural Flow	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch ID	41	0	0	0	0	0	0	0	0	0	1,020	373	1,434
Semittropic WSD via Poso Creek	0	0	0	0	0	0	0	0	0	0	0	0	0
Cawelo Water District (Non-Kern River)	0	167	0	0	0	0	0	0	0	0	0	0	167
CVC Conduit "A" Inflow	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DISTRICT SUPPLY	5,560	11,935	14,291	14,235	13,552	22,219	26,612	18,321	8,498	8,947	5,393	1,358	150,921
Class 1 Irrigation Deliveries	2,389	6,717	8,251	9,286	9,822	17,702	20,291	13,936	5,563	4,820	463	137	99,377
Class 2 Irrigation Deliveries	1,065	2,933	3,756	3,003	1,750	2,662	3,608	2,054	1,136	1,338	125	115	23,545
Shafter-Wasco Irrigation District	0	0	0	0	182	270	405	441	347	268	103	0	2,016
TOTAL IRRIGATION USE	3,454	9,650	12,007	12,289	11,754	20,634	24,304	16,431	7,046	6,426	691	252	124,938
District Spreading Ponds (Kern)	667	523	413	0	0	0	0	0	0	0	1,635	240	3,478
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	667	523	413	0	1,635	240	3,478						
TOTAL DISTRICT USE	4,121	10,173	12,420	12,289	11,754	20,634	24,304	16,431	7,046	6,426	2,326	492	128,416
Total NKWS Canal Loss	1,439	1,762	1,871	1,946	1,798	1,585	2,308	1,890	1,452	2,521	3,067	866	22,505
Into Reservoir Storage	1,339	429	0	480	4,836	4,985	4,451	9,338	264	754	535	256	27,667
Reservoir Evaporation Loss	622	557	1,087	1,297	1,662	2,609	2,900	3,267	2,278	1,480	736	466	18,961
From Reservoir Storage	172	5,404	13,053	9,965	536	7,158	15,532	8,525	1,737	622	516	500	63,720
END OF MONTH RESERVOIR STORAGE	111,060	105,528	91,388	80,606	83,244	78,462	64,481	62,027	58,276	56,928	56,211	55,501	

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

Year: 1994

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	129	230	303	168	157	416	540	456	206	74	159	72
2	6	272	349	126	133	441	506	471	192	122	159	89
3	0	295	376	182	117	437	527	449	165	108	127	100
4	0	280	406	222	112	396	558	414	150	121	67	84
5	0	259	476	253	112	406	553	404	171	136	78	49
6	0	238	510	279	97	437	538	379	161	133	59	35
7	0	225	372	281	156	442	558	399	145	141	49	21
8	0	259	313	278	108	429	571	419	148	145	78	18
9	0	257	309	251	95	427	574	412	123	155	83	29
10	0	239	319	241	118	431	567	395	98	151	138	39
11	0	252	293	259	124	426	556	390	80	149	146	38
12	0	232	264	277	161	403	533	367	97	157	133	37
13	0	186	261	303	180	382	519	325	92	150	108	36
14	32	170	275	343	165	384	496	313	91	145	114	36
15	83	177	306	349	175	407	489	308	108	164	117	35
16	112	238	286	355	182	396	510	289	113	158	119	33
17	112	260	283	370	194	382	519	291	108	161	125	32
18	101	234	264	387	205	369	524	334	106	151	118	32
19	103	197	242	394	193	377	561	350	94	142	117	40
20	137	230	243	411	171	403	564	341	85	138	108	40
21	135	271	267	408	131	433	586	329	78	124	107	46
22	141	270	288	377	146	462	563	315	76	117	111	43
23	163	261	281	330	157	445	516	315	85	124	134	38
24	144	243	246	346	131	424	494	334	77	114	112	28
25	155	209	229	354	170	420	492	350	85	84	137	9
26	177	204	234	348	265	423	496	339	87	87	151	10
27	244	234	225	324	318	480	469	277	64	91	132	10
28	224	275	236	315	344	513	442	231	76	141	105	11
29	210	-	258	241	391	560	392	247	68	163	102	10
30	216	-	257	138	451	585	361	211	70	163	95	13
31	206	-	229	-	407	-	397	229	-	166	-	9
TOTAL	2,830	6,697	9,200	8,910	5,866	12,936	15,971	10,883	3,299	4,175	3,388	1,122
MAXIMUM DAY	244	295	510	411	451	585	586	471	206	166	159	100
MINIMUM DAY	0	170	225	126	95	369	361	211	64	74	49	9
MEAN	91	239	297	297	189	431	515	345	110	135	113	36
TOTAL AC.FT.	5,613	13,283	18,248	17,672	11,635	25,659	31,678	21,190	6,543	8,281	6,720	2,226
WHOLE YEAR:-	TOTAL,	85,077	MAX.,	586	MIN.,	0	MEAN,	233	TOTAL AC.FT.,	168,748		

Year: 1994

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	25	24	23	25	27	19	26	23	21	23	25	18
2	0	23	25	23	23	27	21	25	24	21	24	21
3	0	25	25	19	24	30	21	25	26	16	25	23
4	0	28	24	21	23	25	21	25	27	21	24	21
5	0	25	28	18	25	25	20	23	26	23	27	18
6	0	28	28	18	24	26	22	26	21	26	26	18
7	0	26	13	23	28	25	23	21	22	24	25	19
8	0	23	21	20	27	24	23	24	24	27	24	5
9	0	23	25	21	25	23	25	26	24	26	22	0
10	0	24	19	19	26	27	23	23	25	23	23	0
11	0	24	19	21	24	28	22	23	24	24	22	0
12	0	24	24	21	23	26	22	25	22	26	22	0
13	0	25	25	21	25	26	24	26	22	26	22	0
14	0	25	19	22	28	26	25	25	24	25	20	0
15	18	23	21	22	27	25	26	23	24	26	20	0
16	25	25	18	22	24	32	26	24	25	27	20	0
17	27	27	23	22	28	29	26	25	25	24	18	0
18	24	27	20	22	27	25	23	26	25	25	22	0
19	26	28	23	24	28	22	24	24	22	22	19	0
20	28	24	23	25	28	21	24	25	23	27	21	0
21	28	26	21	23	28	22	26	25	23	28	19	0
22	26	28	20	23	26	18	25	22	22	28	20	0
23	27	27	20	27	27	24	29	26	24	30	21	0
24	28	22	20	27	29	22	24	21	24	27	23	0
25	28	28	19	25	29	4	27	22	25	28	24	0
26	25	28	23	24	28	28	24	28	24	32	25	0
27	24	24	21	26	26	29	24	27	19	28	24	0
28	26	24	19	24	27	22	28	30	20	28	19	0
29	27	-	21	25	29	21	27	22	18	29	18	0
30	25	-	22	28	28	20	29	21	17	29	19	0
31	23	-	24	-	24	-	29	23	-	26	-	0
TOTAL	460	708	676	681	815	721	759	754	692	795	663	143
MAXIMUM DAY	28	28	28	28	29	32	29	30	27	32	27	23
MINIMUM DAY	0	22	13	18	23	4	20	21	17	16	18	0
MEAN	15	25	22	23	26	24	24	24	23	26	22	5
TOTAL AC.FT.	912	1,405	1,341	1,351	1,617	1,430	1,505	1,496	1,373	1,576	1,314	283
WHOLE YEAR:-	TOTAL,	7,867	MAX.,	32	MIN.,	0	MEAN,	22	TOTAL AC.FT.,	15,602		

Total Diverted via
Cross Valley Canal Conduit "A" Year: 1994

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	44	0	0
2	0	0	0	0	0	0	0	0	0	44	0	0
3	0	0	0	0	0	0	0	0	0	44	0	0
4	0	0	0	0	0	0	0	0	0	44	0	0
5	0	0	0	0	0	0	0	0	0	44	0	0
6	0	0	0	0	0	0	0	0	0	44	0	0
7	0	0	0	0	0	0	0	0	0	44	15	0
8	0	0	0	0	0	0	0	0	0	12	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	21	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	32	0	0
18	0	0	0	0	0	0	0	0	0	54	0	0
19	0	0	0	0	0	0	0	0	0	59	0	0
20	0	0	0	0	0	0	0	0	0	55	0	0
21	0	0	0	0	0	0	0	0	24	59	0	0
22	0	0	0	0	0	0	0	0	24	32	0	0
23	0	0	0	0	0	0	0	0	24	31	0	0
24	0	0	0	0	0	0	0	0	24	59	0	0
25	0	0	0	0	0	0	0	0	24	34	0	0
26	0	0	0	0	0	0	0	0	24	34	0	0
27	0	0	0	0	0	0	0	0	24	24	0	0
28	0	0	0	0	0	0	0	0	24	0	0	0
29	0	-	0	0	0	0	0	0	49	0	0	0
30	0	-	0	0	0	0	0	0	44	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	306	793	15	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	49	59	15	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	10	26	1	0
TOTAL AC.FT.	0	0	0	0	0	0	0	0	607	1,572	30	0
WHOLE YEAR:-	TOTAL,	1,114	MAX.,	59	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	2,209		

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

Quantities in acre-feet

Year: 1994

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River	5,613	13,283	18,248	17,672	11,635	25,659	31,678	21,190	6,543	8,281	6,720	2,226	168,748
Oilfield Discharge	912	1,405	1,341	1,351	1,617	1,430	1,505	1,495	1,373	1,576	1,314	283	15,602
C.V.C. Conduit "A"	0	0	0	0	0	0	0	0	607	1,572	30	0	2,209
+ TOTAL BEARDSLEY CANAL SUPPLY	6,525	14,688	19,589	19,023	13,252	27,089	33,183	22,685	8,523	11,429	8,064	2,509	186,559
KRC & Irr. Co. # 1 Lateral	0	0	2	552	73	188	407	436	0	0	0	0	1,658
KRC & Irr. Co. # 2 Lateral	0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. # 4 Lateral	0	337	541	175	120	843	916	739	85	16	26	0	3,798
KRC & Irr. Co. # 5 Lateral	0	280	444	186	347	855	1,002	822	218	52	187	0	4,393
KRC & Irr. Co. Bidart Boosters	170	122	390	422	341	373	373	81	189	295	122	8	2,886
KRC & Irr. Co. via 1-0-20	0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. via 1-0-80	0	0	1	3	3	2	4	3	0	0	0	0	16
Lined Section Loss	22	46	60	60	58	60	61	61	48	61	30	6	573
- TOTAL KRC & IRR. CO. DIVERTED	192	785	1,438	1,398	942	2,321	2,763	2,142	540	424	365	14	13,324
Kern River Supply	0	339	1,279	1,398	942	2,321	2,763	2,142	415	371	274	14	12,258
Oilfield Discharge Supply	192	446	159	0	0	0	0	0	125	53	91	0	1,066
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"	597	1,765	3,344	2,957	4,671	9,479	11,331	9,941	5,103	2,497	1,125	581	53,391
Cawelo WD Lerdo Gate Deliveries	32	62	353	278	405	640	618	403	170	325	0	0	3,286
Lined Section Loss	36	56	61	60	61	60	61	61	60	61	54	40	671
Lerdo Canal Loss	6	19	40	35	54	107	125	107	54	32	11	6	596
- TOTAL CAWELO WD DIVERTED	671	1,902	3,798	3,330	5,191	10,286	12,135	10,512	5,387	2,915	1,190	627	57,944
Kern River Supply	471	1,578	3,390	2,757	4,490	9,675	11,491	9,870	4,325	718	746	579	50,090
Oilfield Discharge Supply	200	324	408	573	701	611	644	642	455	625	414	48	5,645
C.V.C. Conduit "A" Supply	0	0	0	0	0	0	0	0	607	1,572	30	0	2,209
Rosedale Ranch ID Diverted	41	0	0	0	0	0	0	0	0	0	1,020	373	1,434
Kern-Tulare WD/Flag Gulch WD Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss: NKWSD	61	66	62	60	64	60	61	61	72	61	96	137	861
= NKWSD FROM LERDO CANAL	5,560	11,935	14,291	14,235	7,055	14,422	18,224	9,970	2,524	8,029	5,393	1,358	112,996
Kern River Supply	5,142	11,366	13,579	13,517	6,203	13,663	17,424	9,178	1,803	7,192	5,244	1,430	105,741
Oilfield Discharge Supply	479	635	774	778	916	819	861	853	793	898	245	65	8,116
C.V.C. Conduit "A" Supply	0	0	0	0	0	0	0	0	0	0	0	0	0

Year: 1994

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	151	245	295	163	167	403	523	429	205	123	177	87
2	3	286	337	125	130	425	483	444	192	172	157	107
3	0	311	364	183	118	424	507	424	174	161	128	120
4	0	298	390	228	111	383	520	390	163	170	68	102
5	0	271	466	256	124	390	517	376	186	183	83	64
6	0	252	499	277	116	421	510	368	167	193	64	50
7	0	239	348	282	181	423	535	398	155	200	68	37
8	0	277	287	270	132	406	546	408	164	177	88	20
9	0	277	298	246	108	406	553	399	144	174	96	26
10	0	260	303	239	131	412	544	379	120	166	158	36
11	0	273	275	247	134	409	526	368	101	166	165	35
12	0	253	258	266	173	393	498	345	116	178	152	34
13	0	208	259	289	198	374	489	305	111	170	127	33
14	29	185	268	345	186	377	471	305	133	165	126	33
15	98	189	300	350	195	393	465	286	124	185	130	32
16	134	250	283	355	190	382	487	271	130	180	129	29
17	136	275	287	365	188	367	496	284	122	206	134	27
18	122	247	268	382	200	350	495	319	120	221	131	28
19	124	211	248	393	198	365	539	332	107	214	133	37
20	160	241	249	402	177	396	543	329	99	211	126	37
21	159	267	273	396	143	421	571	321	113	202	123	43
22	164	263	295	364	162	441	556	306	111	170	128	40
23	187	255	288	334	173	431	513	303	126	179	152	35
24	158	232	263	352	151	408	481	319	118	191	132	25
25	169	201	243	353	193	379	474	346	128	138	158	6
26	189	196	249	339	273	407	472	343	116	145	172	7
27	256	222	238	323	322	464	445	285	87	135	153	7
28	237	264	241	314	338	486	419	249	98	160	121	8
29	223	-	244	241	384	532	368	239	117	183	117	7
30	228	-	248	147	445	559	345	203	112	184	111	10
31	217	-	224	-	401	-	384	222	-	185	-	6
TOTAL	3,144	6,948	9,088	8,826	6,142	12,427	15,275	10,295	3,959	5,487	3,807	1,168
MAXIMUM DAY	256	311	499	402	445	559	571	444	205	221	177	120
MINIMUM DAY	0	185	224	125	108	350	345	203	87	123	64	6
MEAN	101	248	293	294	198	414	493	332	132	177	127	38
TOTAL AC.FT.	6,236	13,781	18,028	17,505	12,185	24,648	30,298	20,421	7,851	10,883	7,549	2,318
WHOLE YEAR-- TOTAL,	86,566	MAX.,	571	MIN.,	0	MEAN,	237	TOTAL AC.FT.,	171,703			

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

Year: 1994

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Total Beardsley Canal Supply	+ 6,525	14,688	19,589	19,023	13,252	27,089	33,183	22,685	8,523	11,429	8,064	2,509	186,559
+ KRC & Irr. Co. Laterals	0	617	987	913	540	1,886	2,325	1,997	303	68	213	0	9,849
+ KRC & Irr. Co. Boosters	170	122	391	425	344	375	377	84	189	295	122	8	2,902
+ Lined Section Loss: KRC & Irr. Co.	22	46	60	60	58	60	61	61	48	61	30	6	573
= KRC & Irr. Co. from Beardsley	192	785	1,438	1,398	942	2,321	2,763	2,142	540	424	365	14	13,324
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	36	56	61	60	61	60	61	61	60	61	54	40	671
Lined Section Loss: NKWSD	61	66	62	60	64	60	61	61	72	61	96	137	861
Lerdo Canal Total Flow	= 6,236	13,781	18,028	17,505	12,185	24,648	30,298	20,421	7,851	10,883	7,549	2,318	171,703
KRC & Irr. Co. via 8-1-0	0	0	0	0	0	0	0	0	0	0	0	0	0
City via 8-1-0	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch ID via Lerdo	41	0	0	0	0	0	0	0	0	0	1,020	373	1,434
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"	597	1,765	3,344	2,957	4,671	9,479	11,331	9,941	5,103	2,497	1,125	581	53,391
+ Cawelo WD 8-0 Deliveries	32	62	353	278	405	640	618	403	170	325	0	0	3,286
+ Lerdo Loss: to Station "B"	6	18	33	30	46	95	113	99	51	25	11	6	533
+ Lerdo Loss: 8-0 Deliveries	0	1	7	5	8	12	12	8	3	7	0	0	63
= Cawelo WD Total from Lerdo	635	1,846	3,737	3,270	5,130	10,226	12,074	10,451	5,327	2,854	1,136	587	57,273
North Kern WSD from Lerdo	= 5,560	11,935	14,291	14,235	7,055	14,422	18,224	9,970	2,524	8,029	5,393	1,358	112,996

Year: 1994

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	31	0	43	47	51	49	68	74	60	0	0	0
2	30	0	44	48	48	51	71	66	62	0	0	0
3	32	0	44	57	43	53	77	68	63	0	0	0
4	31	0	43	53	42	55	76	72	52	0	0	0
5	32	0	38	52	43	57	68	74	56	0	0	0
6	36	0	30	50	41	53	72	73	63	0	0	0
7	28	0	35	52	45	52	73	77	70	0	0	0
8	29	0	38	50	40	51	70	74	57	0	0	0
9	30	0	36	40	47	51	70	71	53	0	0	0
10	34	0	36	41	49	51	71	74	52	0	0	0
11	36	0	33	49	50	63	78	74	51	0	0	0
12	30	0	35	53	49	65	78	72	0	0	0	0
13	33	0	37	51	49	57	81	68	0	0	0	0
14	40	0	48	53	57	67	81	67	0	0	0	0
15	32	0	49	58	57	55	83	70	0	0	0	0
16	0	0	51	60	44	53	77	71	0	0	0	0
17	0	0	48	58	40	52	78	79	0	0	0	0
18	0	0	41	51	37	59	77	73	0	0	0	0
19	0	0	36	49	40	58	75	62	0	0	0	0
20	0	0	37	54	43	58	77	68	0	0	0	0
21	0	0	45	56	52	60	72	68	0	0	0	0
22	0	0	43	54	56	55	71	46	0	0	0	0
23	0	0	42	48	52	57	69	57	0	0	0	0
24	0	0	42	42	57	64	70	72	0	0	0	0
25	0	0	39	36	56	64	67	62	0	0	0	0
26	0	0	45	39	56	57	70	60	0	0	0	0
27	0	0	48	38	54	57	71	59	0	0	0	0
28	0	0	48	34	47	64	70	63	0	0	0	0
29	0	-	50	49	51	80	69	59	0	0	0	0
30	0	-	50	50	55	84	72	56	0	0	0	0
31	0	-	47	-	52	-	68	60	-	0	-	0
TOTAL	484	0	1,301	1,472	1,503	1,752	2,270	2,069	639	0	0	0
MAXIMUM DAY	40	0	51	60	57	84	83	79	70	0	0	0
MINIMUM DAY	0	0	30	34	37	49	67	46	0	0	0	0
MEAN	16	0	42	49	48	58	73	67	21	0	0	0
TOTAL AC.FT.	960	0	2,580	2,920	2,982	3,475	4,502	4,143	1,267	0	0	0
WHOLE YEAR-- TOTAL,	11,510	0	84	84	MIN.,	0	MEAN,	32	TOTAL AC.FT.,	22,829	0	0

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

Quantities in acre-feet

Year: 1994

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FLOW AT HEADWORKS	+	960	0	2,580	2,920	2,982	4,502	4,143	1,267	0	0	0	22,829
KCWA Armco Turnout	-	847	0	2,338	2,741	3,213	4,121	3,846	1,187	0	0	0	21,057
Seepage Loss	-	77	0	228	165	232	276	212	60	0	0	0	1,422
FLOW AT MEASURING STATION	=	36	0	14	14	46	105	85	20	0	0	0	350
CVC Turnout to Calloway	+	0	0	0	0	0	0	0	0	0	0	0	0
Seepage Loss	-	36	0	14	14	46	105	85	20	0	0	0	350
FLOW AT STANDARD WEIR	=	0	0	0	0	0	0	0	0	0	0	0	0
Bartell Spreading	-	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Inflow	+	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. 1-1-0 Inflow	+	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. Calloway Del.	-	0	0	0	0	0	0	0	0	0	0	0	0
Seepage Loss	-	0	0	0	0	0	0	0	0	0	0	0	0
FLOW AT LABORDE WEIR	=	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. Calloway Del.	-	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch ID at Headworks	-	0	0	0	0	0	0	0	0	0	0	0	0
Seepage Loss	-	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD 8-1-0 Inflow	+	0	0	0	0	0	0	0	0	0	0	0	0
FLOW AT SEVENTH STANDARD LINE	=	0	0	0	0	0	0	0	0	0	0	0	0
for Rosedale Ranch ID	-	0	0	0	0	0	0	0	0	0	0	0	0
for North Kern WSD	=	0	0	0	0	0	0	0	0	0	0	0	0

KERN COUNTY WATER AGENCY / I.D. #4:

Operating Loss	+	99	0	295	213	224	286	327	249	72	0	0	1,765
Turnout #4 to River	+	0	0	0	0	0	0	0	34	0	0	0	34
ID #4 Treatment Plant	+	825	0	2,271	2,693	2,712	3,159	4,070	3,775	1,175	0	0	20,680
Spreading Below Measuring Sta.	+	36	0	14	14	46	30	105	85	20	0	0	350
TOTAL DIVERTED	=	960	0	2,580	2,920	2,982	3,475	4,502	4,143	1,267	0	0	22,829

KERN RIVER CANAL & IRRIGATING CO.:

Calloway Irrigation Deliveries	+	0	0	0	0	0	0	0	0	0	0	0	0
Delivery Loss/ Spreading	+	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED	=	0	0	0	0	0	0	0	0	0	0	0	0

ROSEDALE RANCH ID:

Flow at Headworks	+	0	0	0	0	0	0	0	0	0	0	0	0
Flow at Seventh Standard Line	+	0	0	0	0	0	0	0	0	0	0	0	0
Assigned Loss	+	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED	=	0	0	0	0	0	0	0	0	0	0	0	0

NORTH KERN WATER STORAGE DISTRICT:

Flow at Seventh Standard Line	+	0	0	0	0	0	0	0	0	0	0	0	0
Total Loss	+	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DIVERTED	=	0	0	0	0	0	0	0	0	0	0	0	0

Year: 1994

North Kern Water Storage District
Class 1 Irrigation Deliveries

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	4	131	164	96	62	328	351	320	157	96	41	0
2	0	158	145	33	100	344	344	303	144	56	25	0
3	12	160	160	36	111	359	335	283	118	112	21	5
4	8	148	190	123	125	333	347	253	87	124	16	0
5	11	142	169	133	139	320	353	259	107	123	18	0
6	0	132	158	135	126	379	356	235	118	111	15	0
7	0	129	160	112	115	374	346	224	123	96	19	0
8	0	120	155	138	77	337	380	278	129	68	9	0
9	0	112	142	100	103	298	323	272	121	59	15	0
10	12	117	145	88	105	281	289	278	67	82	10	0
11	7	110	105	124	126	259	328	249	52	78	10	0
12	0	100	109	137	147	222	334	244	73	77	0	0
13	0	83	110	141	168	236	322	210	67	68	0	4
14	0	100	136	205	135	231	292	189	57	93	0	0
15	0	90	141	226	113	283	311	206	72	60	1	0
16	0	110	149	224	141	249	300	207	77	46	0	0
17	0	106	151	209	131	267	309	202	67	126	0	2
18	26	107	133	241	131	234	347	226	46	109	0	6
19	40	108	119	203	157	214	354	252	78	102	0	7
20	51	108	116	219	161	273	355	230	72	78	0	11
21	73	155	153	229	106	265	381	202	89	81	9	9
22	59	130	134	228	105	305	375	207	91	54	9	12
23	64	125	126	188	158	298	330	214	92	52	4	8
24	100	127	105	175	163	283	326	231	73	84	0	5
25	87	98	109	204	151	278	353	233	63	86	4	0
26	104	110	117	201	230	265	279	218	93	66	0	0
27	120	107	87	165	285	329	343	185	105	72	0	0
28	119	164	111	140	305	341	329	138	106	61	5	0
29	108	-	111	137	273	368	323	178	124	42	3	0
30	100	-	131	92	354	372	272	147	136	32	0	0
31	100	-	119	-	349	-	243	153	-	37	-	0
TOTAL	1,205	3,387	4,160	4,682	4,952	8,925	10,230	7,026	2,804	2,430	234	69
MAXIMUM DAY	120	164	190	241	354	379	381	320	157	126	41	12
MINIMUM DAY	0	83	87	33	62	214	243	138	46	32	0	0
MEAN	39	121	134	156	160	298	330	227	93	78	8	2
TOTAL AC.FT.	2,389	6,717	8,251	9,286	9,822	17,702	20,291	13,936	5,563	4,820	463	137
WHOLE YEAR:-	TOTAL,	50,104	MAX.,	381	MIN.,	0	MEAN,	137	TOTAL AC.FT.,	99,377		

North Kern Water Storage District
Class 2 Irrigation Deliveries
Year: 1994

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	5	71	56	43	21	53	55	36	20	17	11	0
2	5	92	77	36	16	54	59	37	19	18	11	0
3	0	81	75	23	13	62	58	60	17	21	11	0
4	0	82	73	79	21	47	65	38	10	17	7	0
5	0	73	72	60	21	46	58	32	22	16	0	0
6	0	51	44	57	25	45	59	23	26	15	0	0
7	0	61	56	63	27	37	60	33	30	14	4	0
8	0	64	51	59	29	32	53	33	31	5	1	12
9	0	68	42	51	26	43	63	30	35	4	1	12
10	0	64	40	48	25	47	60	38	28	6	1	13
11	0	49	40	54	22	42	65	35	15	6	1	0
12	0	34	33	44	21	42	64	44	15	28	0	2
13	0	33	34	44	20	45	53	24	12	33	0	2
14	0	51	58	58	19	51	67	13	11	38	0	2
15	0	58	60	48	15	52	64	21	17	27	0	2
16	0	43	86	44	23	44	66	20	20	22	0	2
17	0	39	70	44	18	47	55	29	23	29	0	0
18	26	41	80	64	23	41	59	42	5	29	0	2
19	29	33	84	64	21	34	62	43	8	34	1	2
20	22	27	67	65	29	47	68	30	16	32	1	2
21	25	48	77	64	31	46	65	21	21	27	4	2
22	26	49	76	59	31	44	66	37	17	20	3	1
23	25	53	71	58	31	38	45	42	21	17	0	2
24	39	48	60	48	41	41	44	49	27	29	0	0
25	35	45	63	53	39	32	64	44	13	28	3	0
26	41	36	74	42	46	33	61	41	20	31	3	0
27	55	35	53	46	40	44	67	25	22	31	0	0
28	52	50	56	39	43	44	54	30	20	30	0	0
29	44	-	49	38	43	52	55	26	14	21	0	0
30	39	-	50	19	50	57	43	27	18	16	0	0
31	69	-	67	-	52	-	42	32	-	14	-	0
TOTAL	537	1,479	1,894	1,514	882	1,342	1,819	1,035	573	675	63	58
MAXIMUM DAY	69	92	86	79	52	62	68	60	35	38	11	13
MINIMUM DAY	0	27	33	19	13	32	42	13	5	4	0	0
MEAN	17	53	61	50	28	45	59	33	19	22	2	2
TOTAL AC.FT.	1,065	2,933	3,756	3,003	1,750	2,662	3,608	2,054	1,136	1,338	125	115
WHOLE YEAR-	TOTAL,	11,871	MAX.,	92	MIN.,	0	MEAN,	33	TOTAL AC.FT.,	23,545		

Year: 1994

Total Diverted to Rosedale Franch Improvement District

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	10	0	0	0	0	0	0	0	0	0	12	38
2	0	0	0	0	0	0	0	0	0	0	13	38
3	0	0	0	0	0	0	0	0	0	0	14	38
4	0	0	0	0	0	0	0	0	0	0	13	38
5	0	0	0	0	0	0	0	0	0	0	13	24
6	0	0	0	0	0	0	0	0	0	0	3	12
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	5	0
11	0	0	0	0	0	0	0	0	0	0	14	0
12	0	0	0	0	0	0	0	0	0	0	13	0
13	0	0	0	0	0	0	0	0	0	0	14	0
14	0	0	0	0	0	0	0	0	0	0	13	0
15	0	0	0	0	0	0	0	0	0	0	17	0
16	0	0	0	0	0	0	0	0	0	0	16	0
17	0	0	0	0	0	0	0	0	0	0	17	0
18	0	0	0	0	0	0	0	0	0	0	18	0
19	0	0	0	0	0	0	0	0	0	0	18	0
20	0	0	0	0	0	0	0	0	0	0	21	0
21	0	0	0	0	0	0	0	0	0	0	23	0
22	0	0	0	0	0	0	0	0	0	0	27	0
23	0	0	0	0	0	0	0	0	0	0	26	0
24	0	0	0	0	0	0	0	0	0	0	24	0
25	0	0	0	0	0	0	0	0	0	0	22	0
26	0	0	0	0	0	0	0	0	0	0	21	0
27	0	0	0	0	0	0	0	0	0	0	22	0
28	0	0	0	0	0	0	0	0	0	0	37	0
29	5	-	0	0	0	0	0	0	0	0	41	0
30	6	-	0	0	0	0	0	0	0	0	37	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	21	0	0	0	0	0	0	0	0	0	514	188
MAXIMUM DAY	10	0	0	0	0	0	0	0	0	0	41	38
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	0	0	0	0	0	0	17	6
TOTAL AC.FT.	41	0	0	0	0	0	0	0	0	0	1,020	373
WHOLE YEAR-- TOTAL,	723	MAX.,	41	MIN.,	2	TOTAL AC.FT.,	1,434					

**ROSEDALE RANCH IMPROVEMENT DISTRICT
SUMMARY OF OPERATIONS**

Quantities in acre-feet Year: 1994

	Points of Diversion				Irrigation Deliveries				Canal Loss				
	RRID at Head	R-7	R-21	Total	NKWSD Exch.	NKWSD Other	City Miscellaneous	Total	NKWSD Exch.	NKWSD Other	City Miscellaneous	City Non-Kern River	Total
Jan	20	21	0	41	0	21	0	21	0	20	0	0	20
Feb	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct	0	0	0	0	0	0	0	0	0	0	0	0	0
Nov	1,020	0	0	1,020	20	42	0	62	22	476	414	46	958
Dec	373	0	0	373	0	0	0	0	99	101	104	69	373
Total	1,413	21	0	1,434	20	63	0	83	121	597	518	115	1,351

Year: 1994

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
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	0	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR-- TOTAL,	TOTAL AC.FT.,											
	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
	MIN.,											
	0	0	0	0	0	0	0	0	0	0	0	0
	MAX.,											
	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

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

Year: 1994

Quantities in acre-feet

	CAWELO WD		KERN DELTA WD		SEMITROPIC WSD		SHAFTER-WASCO ID		IMPROVEMENT DISTRICT NO. 4		PARAMOUNT FARMING CO.		ROSEDALE RANCH ID		LA HACIENDA, INC.		BUENA VISTA WSD		
	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	182	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	270	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	405	0	0	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	441	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	347	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	268	0	552	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	103	0	393	0	0	0	42	0	58	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	99	0	36	0	0	0	0
Yearly Status	0	0	0	0	0	0	2,016	0	3,596	0	0	0	141	0	124	0	0	0	0
Overall Status	695	0	0	0	6,461	0	15,974	0	2,399	0	839	0	3,356	0	34,022	0	0	0	4,649

NKWS/IMPROVEMENT DISTRICT #4 EXCHANGE SUMMARY

Block	Agreement	Date		NKWS ID #4	to	NKWS ID #4	to	NKWS ID #4	Balance
		of	of						
A	12-13-85			21,635		21,635		21,635	0
B	12-08-87			13,350		13,350		13,350	0
C	09-09-88			12,163		7,796		4,367	4,367
D	03-03-89			403		403		403	0
E	11-29-89			1,500		1,500		1,500	0
F	06-06-90			0		1,630		1,630	(1,630)
G	05-13-91			395		0		0	395
H	08-22-91			0		261		261	(261)
I	04-23-93			4,164		9,434		9,434	(5,270)
To Date Totals				53,610		56,009		56,009	(2,399)

North Kern WSD Exchange Water Delivered to Improvement District No. 4
(Pursuant to ID4/North Kern WSD Exchange Agreement Dated April 23, 1993)
Year: 1994

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	83	0	0	0	0	0	0	0	0	0	21	0
2	161	0	0	0	0	0	0	0	0	0	27	0
3	125	0	0	0	0	0	0	0	0	0	24	0
4	121	0	0	0	0	0	0	0	0	0	25	0
5	111	0	0	0	0	0	0	0	0	0	21	0
6	94	0	0	0	0	0	0	0	0	0	21	0
7	77	0	0	0	0	0	0	0	0	0	7	0
8	74	0	0	0	0	0	0	0	0	26	22	0
9	90	0	0	0	0	0	0	0	0	40	23	0
10	81	0	0	0	0	0	0	0	0	40	7	0
11	95	0	0	0	0	0	0	0	0	37	0	0
12	90	0	0	0	0	0	0	0	0	14	0	0
13	77	0	0	0	0	0	0	0	0	15	0	0
14	50	0	0	0	0	0	0	0	0	15	0	0
15	8	0	0	0	0	0	0	0	0	14	0	0
16	0	0	0	0	0	0	0	0	0	14	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	22	0	0
23	0	0	0	0	0	0	0	0	0	21	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	5	0	0
29	0	-	0	0	0	0	0	0	0	4	0	0
30	0	-	0	0	0	0	0	0	0	4	0	0
31	0	-	0	-	0	-	0	0	-	7	-	0
TOTAL	1,337	0	0	0	0	0	0	0	0	278	198	0
MAXIMUM DAY	161	0	0	0	0	0	0	0	0	40	27	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	43	0	0	0	0	0	0	0	0	9	7	0
TOTAL AC.FT.	2,651	0	0	0	0	0	0	0	0	552	393	0
WHOLE YEAR-	TOTAL,	1,813	MAX.,	161	MIN.,	0	MEAN,	5	TOTAL AC.FT.,	3,596		

North Kern Water Storage District												Year: 1994		
Shafter-Wasco Irrigation District Exchange Deliveries														
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	5	4	8	7	4	5	0		
2	0	0	0	0	0	4	5	8	7	4	6	0		
3	0	0	0	0	0	3	5	8	8	5	4	0		
4	0	0	0	0	0	3	4	7	7	3	4	0		
5	0	0	0	0	0	4	5	8	9	3	5	0		
6	0	0	0	0	0	4	6	7	5	2	4	0		
7	0	0	0	0	0	4	5	8	8	2	4	0		
8	0	0	0	0	0	3	5	6	7	2	4	0		
9	0	0	0	0	0	5	5	6	7	2	5	0		
10	0	0	0	0	0	5	6	6	7	2	5	0		
11	0	0	0	0	0	4	7	7	7	2	6	0		
12	0	0	0	0	4	5	8	7	7	4	0	0		
13	0	0	0	0	4	6	8	7	6	5	0	0		
14	0	0	0	0	4	5	7	7	7	4	0	0		
15	0	0	0	0	4	5	8	8	7	4	0	0		
16	0	0	0	0	5	5	8	8	7	4	0	0		
17	0	0	0	0	5	5	7	8	9	4	0	0		
18	0	0	0	0	4	5	7	7	2	5	0	0		
19	0	0	0	0	4	6	7	7	3	5	0	0		
20	0	0	0	0	4	4	6	6	6	5	0	0		
21	0	0	0	0	5	4	7	4	8	5	0	0		
22	0	0	0	0	5	5	7	8	7	5	0	0		
23	0	0	0	0	5	6	8	7	4	4	0	0		
24	0	0	0	0	4	5	7	7	3	7	0	0		
25	0	0	0	0	4	4	8	6	3	7	0	0		
26	0	0	0	0	5	5	7	8	3	6	0	0		
27	0	0	0	0	6	4	7	7	4	7	0	0		
28	0	0	0	0	5	5	8	8	3	7	0	0		
29	0	-	0	0	5	4	7	8	3	6	0	0		
30	0	-	0	0	5	4	8	7	4	5	0	0		
31	0	-	0	-	5	-	7	8	-	5	-	0		
TOTAL	0	0	0	0	92	136	204	222	175	135	52	0		
MAXIMUM DAY	0	0	0	0	6	6	8	8	9	7	6	0		
MINIMUM DAY	0	0	0	0	0	3	4	4	2	2	0	0		
MEAN	0	0	0	0	3	5	7	7	6	4	2	0		
TOTAL AC.FT.	0	0	0	0	182	270	405	441	347	268	103	0		
WHOLE YEAR:-	TOTAL,	1,016	MAX.,	9	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	2,016				

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
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	

1993													
NKWSD to CITY	13,221	11,651	0	0	0	0	0	0	0	0	0	0	24,872
CITY to NKWSD	0	0	2,292	0	0	5,000	5,000	5,000	0	0	0	0	17,292
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	53,944	65,595	63,303	63,303	63,303	58,303	53,303	48,303	48,303	48,303	48,303	48,303	

1994													
NKWSD to CITY	0	0	0	0	321	0	0	0	0	0	0	3,617	3,938
CITY to NKWSD	0	0	0	799	1,369	0	0	0	0	750	63	0	2,981
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	48,303	48,303	48,303	47,504	46,456	46,456	46,456	46,456	46,456	45,706	45,643	49,260	

**COST ALLOCATION
AND
WATERMASTER SUMMARIES**

CARRIER CANAL ABOVE FOUR WEIRS - ALLOCATION
Utilization of Water - Preceding Five Years

Pursuant to Kern Delta Water District/City of Bakersfield Common Use Agreement dated January 1, 1994

Year: 1994

Quantities in acre-feet

	Five Year					Allocation Percentage	
	1990	1991	1992	1993	1994		Total
Carrier Canal at Head	140,647	202,512	185,729	248,721	213,564	991,173	99.55%
Oilfield Discharge	0	2,130	165	365	1,172	3,832	0.38%
Storm Drain Inflow	43	51	278	187	114	673	0.07%
TOTAL CARRIER CANAL FLOW	140,690	204,693	186,172	249,273	214,850	995,678	100.00%
Kern Island Canal (1)	111,373	121,694	116,948	136,717	134,703	621,435	62.41%
Eastside Canal	12,012	11,700	15,327	19,528	18,835	77,402	7.77%
Kern Delta WD via Levee #1	13,132	20,104	17,627	43,880	23,249	117,992	11.85%
KERN DELTA WATER DISTRICT TOTAL	136,517	153,498	149,902	200,125	176,787	816,829	82.03%
Carrier Waste Gate	0	2,031	0	9,159	1,759	12,949	1.30%
Kern River Conduit via Levee #1	4,173	49,164	36,270	39,989	36,304	165,900	16.67%
CITY OF BAKERSFIELD TOTAL	4,173	51,195	36,270	49,148	38,063	178,849	17.97%

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

CARRIER CANAL BELOW FOUR WEIRS - ALLOCATION
Utilization of Water - Preceding Five Years

Year: 1994

Quantities in acre-feet

	1990	1991	1992	1993	1994	Five Year	
						Total	Allocation Percentage
TOTAL CARRIER CANAL FLOW (1)	11,375	94,595	43,743	177,635	57,061	384,409	100.00%
Stine Canal Total Diverted (2)	0	6,665	0	30,925	7,541	45,131	11.74%
Buena Vista Canal Total Diverted (2)	11,350	15,070	17,861	42,919	14,551	101,751	26.47%
River Canal Total Diverted	0	555	1,827	2,128	2,660	7,170	1.87%
KERN DELTA WATER DISTRICT TOTAL DIVERTED FROM CARRIER CANAL	11,350	22,290	19,688	75,972	24,752	154,052	40.08%
KERN RIVER CONDUIT (City of Bakersfield)	25	72,305	24,055	101,663	32,309	230,357	59.92%

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

1994

Quantities in acre-feet

BEARDSLEY CANAL USED

Preceding Five Years

Year	Diverted via Beardsley Canal						
	North Kern Water Storage District			CITY	Subtotal	CWD/Other	TOTAL
	NKWSD	RRID	TOTAL				
1990	57,127	0	57,127	15,470	72,597	60,557	133,154
1991	34,997	0	34,997	16,446	51,443	40,264	91,707
1992	51,067	0	51,067	14,896	65,963	42,674	108,637
1993	144,312	8,943	153,255	23,920	177,175	73,033	250,208
1994	113,395	1,434	114,829	19,264	134,093	52,466	186,559
Total	400,898	10,377	411,275	89,996	501,271	268,994	770,265
Percent	79.98%	2.07%	82.05%	17.95%	100.00%		

CALLOWAY CANAL USED

Preceding Ten Years

Year	Diverted via Calloway Canal				
	NKWSD	CITY	Subtotal	ID4	TOTAL
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
1993	27,341	14,356	41,697	38,873	80,570
1994	0	0	0	22,829	22,829
Total	149,234	48,167	197,401	252,767	450,168
Percent	75.60%	24.40%	100.00%		

Year: 1994

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

Quantities in acre-feet
except where noted...

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Operating Loss	99	0	295	213	224	286	327	249	72	0	0	0	1,765
Treatment Plant	825	0	2,271	2,683	2,712	3,159	4,070	3,775	1,175	0	0	0	20,880
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	34	0	0	0	0	34
Loss to Standard Weir	36	0	14	14	46	30	105	85	20	0	0	0	350
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	960	0	2,580	2,920	2,982	3,475	4,502	4,143	1,287	0	0	0	22,829
Base Rate	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75	\$0.75
Escalator	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191	1.191
Current Rate	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89
SUB-TOTAL CHARGE	\$854.40	\$0.00	\$2,266.20	\$2,588.80	\$2,653.98	\$3,092.75	\$4,006.78	\$3,687.27	\$1,127.63	\$0.00	\$0.00	\$0.00	\$20,317.81
W	0	0	0	0	0	0	0	0	0	0	0	0	0
ER	0	0	0	0	0	0	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0	0	0	0	0	0	0
TA	0	0	0	0	0	0	0	0	0	0	0	0	0
EC	0	0	0	0	0	0	0	0	0	0	0	0	0
Current Rate	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89	\$0.89
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	\$854.40	\$0.00	\$2,266.20	\$2,588.80	\$2,653.98	\$3,092.75	\$4,006.78	\$3,687.27	\$1,127.63	\$0.00	\$0.00	\$0.00	\$20,317.81

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

Year: 1994

Quantities in acre-feet

Canal	Five Year Total					Percentage
	1990	1991	1992	1993	1994	
Kern Island	114,497	115,718	116,586	135,092	132,003	613,896 37.47%
Eastside	12,012	11,700	15,327	19,528	18,740	77,307 4.72%
Buena Vista	2,354	10,229	10,882	25,922	12,148	61,535 3.75%
Stine	0	6,884	3,740	26,952	6,904	44,480 2.71%
Farmers	34	7,248	3,407	17,789	5,596	34,074 2.08%
Subtotal Kern Delta WD	128,897	151,779	149,942	225,283	175,391	831,292 50.73%
City of Bakersfield	16,829	50,090	28,150	122,553	50,623	268,245 16.37%
K.R.C. & I. Co. (Beardsley)	11,166	10,181	8,963	10,593	12,258	53,161 3.24%
Central - I.D. #4 (Calloway)	3,317	14,857	10,095	38,418	22,829	89,516 5.46%
James	0	0	0	1,886	0	1,886 0.12%
Pioneer	0	0	0	0	0	0 0.00%
Subtotal City of Bakersfield	31,312	75,128	47,208	173,450	85,710	412,808 25.19%
North Kern WSD	42,733	27,984	42,080	174,338	107,345	394,480 24.08%
Total First Point Group	202,942	254,891	239,230	573,071	368,446	1,638,580 100.00%
South Fork	672	488	727	961	972	
First Point passing 2nd Point	0	0	0	0	0	
River Loss and Spreading	15,887	23,499	18,376	42,648	28,309	
Flow Above First Point	904	1,092	2,084	2,582	2,634	
Total 1st Point Group Diverted	220,405	279,970	260,417	619,262	400,361	

- Note:
ALL FIGURES REFLECT GROSS DIVERSIONS...

**KERN RIVER WATERMASTER
ISABELLA RESERVOIR INTER-DISTRICT RENTAL CHARGES**

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

COMPUTED YEAR: 1994

Year	Acre-Foot Days of Irrigation Storage			Isabella O&M Charges (2)
	NKWSD (1)	BVWSD	Total A.F.D.	
1990	9,463,145	5,039,885	14,503,030	(3) \$108,642
1991	18,113,853	6,387,809	24,501,662	\$151,324
1992	21,518,752	4,641,621	26,160,373	(4) \$135,599
1993	52,868,053	27,522,072	80,390,125	\$151,324
1994	37,200,539	20,487,825	57,688,364	\$142,254
5-Year Totals	139,164,342	64,079,212	203,243,554	\$689,143

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

- Total 5-Year Operation & Interest Charge..... \$1,832,393

Total 5-Year Cost \$1,832,393 \$0.0090157

----- = ----- = -----
Total 5-Year Use 203,243,554 Rental Charge
Per
Acre-Foot Day

TOTAL 1994 HACIENDA WD Acre-Foot Storage Days = 0

TOTAL 1994 HACIENDA WD Share of 1994 Storage Costs = \$0.00

- (1) Includes Hacienda Water District Storage when such storage occurs...
- (2) \$ 32,603 per year through 1973; \$ 66,038 per year 1974 through 1978;
\$ 91,598 per year 1979 through 1983; \$159,115 per year 1984 through
1988; \$151,324 per year 1989 through 1993; \$142,254 per year 1994
through 1998... (includes contract administration charges by the U.S.B.R.)
- (3) Reflects adjustment of Isabella Reservoir O&M Charges for years 1989-1990
pursuant to Corps of Engineers revised billing dated July 1, 1990...
- (4) Reflects adjustment of Isabella Reservoir O&M Charges for years 1991-1992
pursuant to Corps of Engineers revised billing dated April 20, 1992...

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

Year: 1994

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	242,525	7,419	555			
January	240,600	7,385	560	1,170	16	83
February	234,660	7,279	570	1,063	16	73
March	229,094	7,178	580	2,212	44	173
April	231,182	7,216	575	2,945	60	240
May	258,469	7,694	530	4,253	77	309
June	238,022	7,340	565	6,827	105	480
July	176,658	6,128	690	6,833	127	635
August	129,120	4,998	830	5,585	121	778
September	118,296	4,711	865	3,431	91	605
October	116,888	4,673	870	2,221	65	411
November	116,374	4,659	875	1,099	42	208
December	115,585	4,637	875	704	26	131
TOTALS				38,343	790	4,126

ISABELLA RESERVOIR RECREATION POOL:

15,125 S.F.D.

30,000 ACRE- FEET

NOTE: Storage & Area quantities reflect last day of month

REPORT OF THE KERN RIVER WATERMASTER

SUMMARY OF KERN RIVER RUNOFF

Year: 1994

Quantities in acre-feet

	CALENDAR YEAR				WATER YEAR			
	FIRST POINT		YEAR		POINT		YEAR	
	REGULATED	NATURAL	NKWS	BVWS	REGULATED	NATURAL	NKWS	BVWS
JANUARY	19,622	18,936	18,936	0	34,725	14,223	14,223	0
To Date	19,622	18,936	18,936	0	34,725	14,223	14,223	0
FEBRUARY	28,720	23,946	23,946	0	14,021	14,398	14,398	0
	48,342	42,882	42,882	0	48,746	28,621	28,621	0
MARCH	41,819	38,592	32,183	6,409	18,264	18,163	18,163	0
	90,161	81,474	75,065	6,409	67,010	46,784	46,784	0
APRIL	41,256	46,489	37,379	9,110	19,622	18,936	18,936	0
	131,417	127,963	112,444	15,519	86,632	65,720	65,720	0
MAY	35,411	67,224	51,707	15,517	28,720	23,946	23,946	0
	166,828	195,187	164,151	31,036	115,352	89,666	89,666	0
JUNE	69,470	56,223	44,017	12,206	41,819	38,592	32,183	6,409
	236,298	251,410	208,168	43,242	157,171	128,258	121,849	6,409
JULY	75,175	21,068	19,935	1,133	41,256	46,489	37,379	9,110
	311,473	272,478	228,103	44,375	198,427	174,747	159,228	15,519
AUGUST	53,484	11,939	11,939	0	35,411	67,224	51,707	15,517
	364,957	284,417	240,042	44,375	233,838	241,971	210,935	31,036
SEPTEMBER	16,072	8,981	8,981	0	69,470	56,223	44,017	12,206
	381,029	293,398	249,023	44,375	303,308	298,194	254,952	43,242
OCTOBER	13,745	14,771	14,771	0	75,175	21,068	19,935	1,133
	394,774	308,169	263,794	44,375	378,483	319,262	274,867	44,375
NOVEMBER	12,060	12,780	12,780	0	53,484	11,939	11,939	0
	406,834	320,949	276,574	44,375	431,967	331,201	286,826	44,375
DECEMBER	15,527	15,507	15,507	0	16,072	8,981	8,981	0
Year	422,361	336,456	292,081	44,375	448,039	340,182	295,807	44,375

1894 to 1994 Mean April-July Runoff = 462,797 acre-feet (100% of Average)
 1994 April-July Runoff = 191,004 acre-feet (41% of Average)

1894 to 1994 Mean March-October Runoff = 593,316 acre-feet (100% of Average)
 1994 March-October Runoff = 285,287 acre-feet (48% of Average)

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR STORAGE		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	CHANGE IN STORAGE + LOSS		COMPUTED NATURAL FLOW	MEAN TOTAL	STORAGE		KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	FRONT INFLOW
		MIDNIGHT	S.F.D.				STORAGE	+1ST POINT + FLOW ABOVE			IRRIGATION	Dead Storage			
Previous Day	2571.24	242,525	122,273	9	277	1	287	107,055	1	0	0	0	0	0	0
1	2571.23	242,450	122,235	33	279	1	287	107,029	2	0	0	0	0	0	1
2	2571.23	242,450	122,235	15	295	2	289	107,006	1	0	0	0	0	0	2
3	2571.22	242,376	122,198	13	303	1	284	106,973	1	0	0	0	0	0	3
4	2571.20	242,228	122,123	33	303	1	280	106,916	2	0	0	0	0	0	4
5	2571.19	242,153	122,086	30	304	1	277	106,858	2	0	0	0	0	0	5
6	2571.18	242,079	122,048	5	301	2	290	106,840	0	0	0	0	0	0	6
7	2571.18	242,079	122,048	10	292	1	289	106,826	1	0	0	0	0	0	7
8	2571.17	242,005	122,011	37	291	2	302	106,798	3	0	0	0	0	0	8
9	2571.17	242,005	122,011	20	289	1	302	106,790	1	0	0	0	0	0	9
10	2571.17	242,005	122,011	13	289	1	306	106,793	1	0	0	0	0	0	10
11	2571.17	242,005	122,011	18	286	1	290	106,778	1	0	0	0	0	0	11
12	2571.16	241,931	121,974	15	283	1	291	106,770	1	0	0	0	0	0	12
13	2571.16	241,931	121,974	23	282	1	291	106,755	2	0	0	0	0	0	13
14	2571.16	241,931	121,974	18	285	1	295	106,746	1	0	0	0	0	0	14
15	2571.15	241,857	121,936	25	288	1	286	106,718	2	0	0	0	0	0	15
16	2571.14	241,783	121,899	18	296	1	292	106,695	1	0	0	0	0	0	16
17	2571.14	241,783	121,899	23	298	1	294	106,667	2	0	0	0	0	0	17
18	2571.13	241,708	121,861	20	300	1	308	106,654	1	0	0	0	0	0	18
19	2571.13	241,708	121,861	15	302	1	297	106,633	1	0	0	0	0	0	19
20	2571.12	241,634	121,824	23	302	1	308	106,615	2	0	0	0	0	0	20
21	2571.12	241,634	121,824	15	300	1	296	106,595	1	0	0	0	0	0	21
22	2571.11	241,560	121,787	23	297	1	295	106,569	2	0	0	0	0	0	22
23	2571.12	241,634	121,824	13	363	1	414	106,606	1	98	0	0	0	0	23
24	2571.11	241,560	121,787	20	456	1	440	106,569	1	226	0	0	0	0	24
25	2571.10	241,486	121,749	13	428	1	365	106,492	1	134	0	0	0	0	25
26	2571.08	241,338	121,675	13	347	1	338	106,469	1	53	0	0	0	0	26
27	2571.07	241,264	121,637	10	349	1	306	106,415	1	0	0	0	0	0	27
28	2571.06	241,190	121,600	13	330	1	312	106,383	1	0	0	0	0	0	28
29	2571.05	241,116	121,563	20	324	1	308	106,346	2	0	0	0	0	0	29
30	2571.03	240,968	121,488	18	366	1	309	106,270	1	26	0	0	0	0	30
31	2570.98	240,600	121,303	25	465	1	306	106,085	2	130	0	0	0	0	31
TOTAL SECOND FOOT DAYS				590	9,893	34	9,547	106,085	42	667	0	0	0	0	
TOTAL ACRE- FEET				1,170	19,622	67	18,936	210,416	83	1,323	0	0	0	0	

By:  Date: FEBRUARY 14, 1994

WATERMASTER NOTES *** KERN RIVER BULLETIN

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

SNOW SURVEY DATA FOR KERN RIVER BASIN

Date: February 1, 1994

SNOW COURSE	SNOW SENSOR	CALIF. NUMBER	ELEV. IN FEET	APRIL 1ST AVERAGE WATER CONTENT	DATE MEASURED	SNOW DEPTH IN INCHES	DENSITY (%)	WATER CONTENT IN INCHES	% OF APRIL 1ST AVERAGE	MEASURED BY
Upper Tyndall Creek		516	11,450	27.7	1-26	39.7	25%	10.0	36%	DWR
Bighorn Plateau		250	11,350	21.9	1-26	23.7	19%	4.6	21%	DWR
Cottonwood Pass		251	11,050	13.4	1-26	7.7	13%	1.0	7%	DWR
Siberian Pass		252	10,900	18.3	1-29	15.1	23%	3.5	19%	DWR
Crabtree Meadow		253	10,700	18.8	1-27	27.2	20%	5.4	29%	DWR
	Crabtree Meadow	253	10,700	19.8	1-27			4.9	25%	DWR
Guyot Flat		254	10,650	20.0	1-28	27.1	19%	5.1	26%	DWR
Tyndall Creek		255	10,650	18.3	1-26	29.1	17%	4.9	27%	DWR
Sandy Meadow		275	10,650	18.3	1-26	29.3	17%	5.0	27%	DWR
	Chagooopa Plateau	514	10,300	21.8						
		257	9,750	16.6	1-29	13.9	25%	3.5	21%	DWR
Big Whitney Meadow		256	9,600	17.2	1-28	25.1	20%	5.1	30%	DWR
Rock Creek		569	9,130	24.9	1-26	40.0	20%	8.0	32%	USFS
	Pascoe	258	9,000	24.9	1-26	33.0	22%	7.3	29%	USFS
Round Meadow		830	8,960	15.6	1-31	9.5	23%	2.2	14%	DWR
	Tunnel Guard	518	8,950	30.3						
	Wet Meadow	259	8,700	11.3	1-30	12.5	16%	2.0	18%	DWR
Ramshaw Meadow		260	8,500	13.5	1-30	18.3	19%	3.4	25%	DWR
Little Whitney Mea.		262	8,400	19.6	1-29	27.1	22%	5.9	30%	USFS
Casa Vieja Meadow		262	8,400	20.9	1-29	28.0	25%	7.0	33%	USFS
	Casa Vieja Meadows	264	8,350	19.4						
Quinn Ranger Sta.		261	8,300	13.8	1-26	21.5	23%	4.9	36%	USFS
Bonita Meadows		265	7,650	8.9	1-29	19.1	24%	4.6	52%	USFS
Beech Meadows		860	7,650	11.0	1-29	6.9	14%	1.0	9%	USFS

CALIFORNIA COOPERATIVE SNOW SURVEYS FORECAST as of FEBRUARY 1, 1994 for KERN RIVER INFLOW TO ISABELLA RESERVOIR...
 April-July = 200,000 acre-feet (43% of Average) *** Water Year = 350,000 acre-feet (49% of Average)
 80 Percent Probability Range (Actual runoff should fall within the stated limits eight times out of ten) ...
 April-July = 110,000 AcFt (24% of Average) to 520,000 AcFt (113% of Average) *** Water Year = 220,000 AcFt (31% of Average) to 800,000 AcFt (112% of Average)

Quantities in S.F.D. except where noted

FEBRUARY 1994

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		KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	FRIANT-KERN INFLOW	DAY
		ACRE-FEET	S.F.D.	MIDNIGHT STORAGE	S.F.D.				+1ST POINT	+FLOW ABOVE 1ST POINT			IRRIGATION	Dead Storage				
Previous Day	2570.98	240,600	121,303	25	465	1	306	306	106,085	2	130	0	1					
1	2570.90	240,009	121,005	22	550	1	275	287	105,799	2	194	0	1					
2	2570.80	239,271	120,633	15	665	2	310	292	105,409	1	247	0	2					
3	2570.68	238,390	120,188	24	710	1	290	366	105,040	2	278	0	3					
4	2570.62	237,949	119,966	5	713	2	498	398	104,718	0	280	0	4					
5	2570.55	237,435	119,707	11	653	2	407	421	104,473	1	257	0	5					
6	2570.47	236,850	119,412	19	633	1	358	406	104,226	1	259	0	6					
7	2570.44	236,631	119,302	2	557	2	451	457	104,122	0	194	0	7					
8	2570.47	236,850	119,412	38	413	2	563	469	104,138	3	23	0	8					
9	2570.47	236,850	119,412	17	375	2	394	453	104,197	1	0	0	9					
10	2570.47	236,850	119,412	36	364	2	402	386	104,181	3	0	0	10					
11	2570.46	236,777	119,375	17	381	2	363	392	104,173	1	0	0	11					
12	2570.46	236,777	119,375	24	384	2	410	358	104,121	2	0	0	12					
13	2570.44	236,631	119,302	19	354	2	302	338	104,084	1	0	0	13					
14	2570.42	236,484	119,227	19	356	2	302	327	104,034	1	0	0	14					
15	2570.42	236,484	119,227	19	356	2	377	359	104,016	1	0	0	15					
16	2570.41	236,411	119,191	26	406	2	398	422	104,004	2	0	0	16					
17	2570.43	236,557	119,264	4	413	2	492	484	104,069	0	0	0	17					
18	2570.46	236,777	119,375	19	429	2	561	510	104,129	1	0	0	18					
19	2570.47	236,850	119,412	17	423	1	478	537	104,225	1	0	0	19					
20	2570.50	237,070	119,523	13	446	2	572	500	104,264	1	0	0	20					
21	2570.47	236,850	119,412	19	541	2	451	496	104,198	1	0	0	21					
22	2570.43	236,557	119,264	21	589	2	464	451	104,037	2	0	0	22					
23	2570.38	236,191	119,080	19	600	2	437	466	103,882	1	0	0	23					
24	2570.35	235,972	118,969	19	588	2	498	477	103,750	1	0	0	24					
25	2570.32	235,753	118,859	26	579	2	497	500	103,643	2	0	0	25					
26	2570.29	235,534	118,748	30	583	2	504	504	103,532	2	0	0	26					
27	2570.24	235,171	118,565	15	676	2	510	508	103,347	1	0	0	27					
28	2570.17	234,660	118,308	21	743	2	509	509	103,090	2	0	0	28					
TOTAL SECOND FOOT DAYS				536	14,480	52	12,073	12,073	103,090	37	1,732	0	0					
TOTAL ACRE-FEET				1,063	28,720	104	23,946	23,946	204,476	73	3,435	0	0					

By: *[Signature]*

Date: MARCH 15, 1994

REPORT OF THE KERN RIVER WATERMASTER

FEBRUARY 1994

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
February	26-28	2	BWWSDFLOW - FOR KCWA	Delivered as per terms of La Hacienda, Inc./BUENA VISTA WATER STORAGE DISTRICT letter dated October 5, 1993 and La Hacienda, Inc./Kern County Water Agency purchase agreement dated September 20, 1993.

Date: March 1, 1994

SNOW SURVEY DATA FOR KERN RIVER BASIN

SNOW COURSE	SNOW SENSOR	CALIF. NUMBER	ELEV. IN FEET	APRIL 1ST AVERAGE WATER CONTENT	DATE MEASURED	SNOW DEPTH IN INCHES	DENSITY (%)	WATER CONTENT IN INCHES	% OF APRIL 1ST AVERAGE	MEASURED BY
Upper Tyndall Creek		516	11,450	27.7	1-26	39.7	25%	10.0	36%	DWR
Bighorn Plateau		250	11,350	21.9	1-26	54.7	27%	14.9	54%	DWR
Cottonwood Pass		251	11,050	13.4	2-27	23.7	19%	4.6	21%	DWR
Siberian Pass		252	10,900	18.3	1-26	45.9	27%	12.3	56%	DWR
Crabtree Meadow		253	10,700	18.8	1-26	7.7	13%	1.0	7%	DWR
Guyot Flat		253	10,700	19.8	2-24	26.6	21%	5.7	43%	DWR
Tyndall Creek		254	10,650	20.0	1-29	15.1	23%	3.5	19%	DWR
Sandy Meadow		255	10,650	18.3	2-24	38.3	25%	9.5	52%	DWR
Big Whitney Meadow		256	9,600	17.2	1-27	27.2	20%	5.4	29%	DWR
Rock Creek		257	9,750	16.6	2-27	46.2	25%	11.4	61%	DWR
Round Meadow		258	9,000	24.9	1-27	27.1	19%	4.9	25%	DWR
Ramshaw Meadow		259	8,700	11.3	1-28	46.1	25%	11.5	26%	DWR
Little Whitney Mea.		260	8,500	13.5	1-26	29.3	17%	5.0	60%	DWR
Casa Vieja Meadow		262	8,400	19.6	2-27	42.6	26%	10.9	60%	DWR
Bonita Meadows		261	8,300	13.8	3-02	53.0	28%	14.8	68%	SKNP
Beach Meadows		265	7,650	8.9	2-25	38.1	23%	8.8	21%	DWR
		860	7,650	11.0	1-28	25.1	20%	5.1	53%	DWR
					2-25	43.7	20%	11.1	65%	DWR
					1-31	9.5	23%	2.2	14%	DWR
					3-03	26.5	31%	8.3	53%	DWR
					2-25	40.0	20%	8.0	32%	USFS
					2-28	68.5	27%	18.8	76%	USFS
					1-26	33.0	22%	7.3	29%	USFS
					2-28	59.8	27%	16.0	64%	USFS
					1-31	9.5	23%	2.2	14%	DWR
					3-03	26.5	31%	8.3	53%	DWR
					2-25	40.0	20%	8.0	32%	USFS
					2-28	68.5	27%	18.8	76%	USFS
					1-26	33.0	22%	7.3	29%	USFS
					2-28	59.8	27%	16.0	64%	USFS
					1-31	9.5	23%	2.2	14%	DWR
					3-03	26.5	31%	8.3	53%	DWR
					2-25	40.0	20%	8.0	32%	USFS
					2-28	68.5	27%	18.8	76%	USFS
					1-26	33.0	22%	7.3	29%	USFS
					2-28	59.8	27%	16.0	64%	USFS
					1-30	18.3	19%	3.4	25%	DWR
					3-02	34.7	31%	10.9	81%	SKNP
					1-29	27.1	22%	5.9	30%	USFS
					3-01	46.8	28%	13.1	67%	USFS
					3-01	47.5	25%	12.0	33%	USFS
					2-25	49.7	32%	15.7	57%	SKNP
					1-26	21.5	23%	4.9	81%	USFS
					2-28	38.6	31%	12.0	36%	USFS
					1-29	19.1	24%	4.6	52%	USFS
					3-01	31.7	31%	9.9	111%	USFS
					1-29	6.9	14%	1.0	9%	USFS
					3-01	20.9	33%	6.8	62%	USFS

CALIFORNIA COOPERATIVE SNOW SURVEYS FORECAST as of MARCH 1, 1994 for KERN RIVER INFLOW TO ISABELLA RESERVOIR...
 April - July = 260,000 acre-feet (56% of Average) *** Water Year = 410,000 acre-feet (57% of Average)
 80 Percent Probability Range (Actual runoff should fall within the stated limits eight times out of ten) ...
 April - July = 180,000 AcFt (39% of Average) to 480,000 AcFt (104% of Average) *** Water Year = 310,000 AcFt (43% of Average) to 680,000 AcFt (95% of Average)

DAY	ISABELLA		RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	C-HANGE IN		COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL = 15,218 S.F.D. (90,184 ACFT)	STORAGE		KERN COUNTY REC-REACTION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	FRIANT- KERN INFLOW
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE- FEET	S.F.D.	STORAGE+LOSS +FLOW ABOVE 1ST POINT				STORAGE IRRIGATION	Recreation Pool + Dead Storage							
Previous Day	2570.17	234,660	118,308	21	743	2	509	509	509	509	118,308	103,090	2	0	0	0
1	2570.07	233,932	117,941	29	855	2	519	522	522	522	117,944	102,726	2	0	0	1
2	2569.95	233,062	117,502	29	935	2	527	541	541	541	117,519	102,301	2	0	0	2
3	2569.83	232,192	117,064	43	971	2	578	577	577	577	117,080	101,862	3	0	0	3
4	2569.72	231,398	116,663	37	988	2	626	626	626	626	116,679	101,461	3	0	0	4
5	2569.63	230,748	116,336	33	968	1	675	659	659	659	116,336	101,118	3	0	0	5
6	2569.64	230,821	116,372	6	909	2	953	953	953	953	116,372	101,154	0	0	0	6
7	2569.64	230,821	116,372	20	734	2	756	736	736	736	116,352	101,134	2	0	0	7
8	2569.63	230,748	116,336	29	700	2	695	695	695	695	116,316	101,098	2	0	0	8
9	2569.62	230,676	116,299	31	639	2	635	641	641	641	116,285	101,067	2	0	0	9
10	2569.60	230,532	116,227	33	631	2	594	629	629	629	116,248	101,030	3	0	0	10
11	2569.61	230,604	116,263	28	594	1	659	659	659	659	116,263	101,045	2	0	0	11
12	2569.63	230,748	116,336	29	558	2	662	626	626	626	116,300	101,082	2	0	0	12
13	2569.62	230,676	116,299	37	555	2	557	602	602	602	116,308	101,090	3	0	0	13
14	2569.61	230,604	116,263	33	588	2	587	577	577	577	116,262	101,044	3	0	0	14
15	2569.58	230,388	116,154	37	658	1	587	603	603	603	116,169	100,951	3	0	0	15
16	2569.55	230,172	116,045	55	686	2	634	664	664	664	116,090	100,872	4	0	0	16
17	2569.58	230,388	116,154	26	633	2	770	703	703	703	116,132	100,914	2	0	0	17
18	2569.60	230,532	116,227	49	582	2	706	715	715	715	116,214	100,996	4	0	0	18
19	2569.62	230,676	116,299	39	557	2	670	704	704	704	116,320	101,102	3	0	0	19
20	2569.65	230,893	116,409	35	588	3	736	687	687	687	116,381	101,163	3	0	0	20
21	2569.64	230,821	116,372	43	645	2	653	675	675	675	116,366	101,148	3	0	0	21
22	2569.62	230,676	116,299	35	671	3	636	654	654	654	116,311	101,093	3	0	0	22
23	2569.63	230,748	116,336	35	597	3	672	646	646	646	116,322	101,104	3	0	0	23
24	2569.64	230,821	116,372	41	552	2	631	618	618	618	116,345	101,127	3	0	0	24
25	2569.64	230,821	116,372	29	520	2	551	574	574	574	116,368	101,150	2	0	0	25
26	2569.64	230,821	116,372	33	505	3	541	545	545	545	116,372	101,154	3	0	0	26
27	2569.64	230,821	116,372	43	499	2	544	524	524	524	116,352	101,134	3	0	0	27
28	2569.60	230,532	116,227	47	582	2	486	502	502	502	116,223	101,005	4	0	0	28
29	2569.53	230,028	115,973	49	679	2	476	506	506	506	115,999	100,781	4	0	0	29
30	2569.46	229,526	115,719	47	760	3	556	530	530	530	115,719	100,501	4	0	0	30
31	2569.40	229,094	115,502	55	745	2	585	585	585	585	115,502	100,284	4	0	0	31
TOTAL SECOND FOOT DAYS					1,115	21,084	64	19,457	19,457	19,457	115,502	100,284	87	0	0	0
TOTAL ACRE- FEET					2,212	41,819	127	38,592	38,592	38,592	229,094	198,910	173	0	0	0

By:  Date: APRIL 11, 1994

REPORT OF THE KERN RIVER WATERMASTER

MARCH 1994

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH

DAY(S)

PAGE NO.

TITLE OF COLUMN

COMMENT

March

None

PAN EVAPORATION AT ISABELLA DAM & RESERVOIR
OCTOBER 1953 TO SEPTEMBER 1993
(In Inches)

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1953-54	5.98	3.42	1.92	1.77	1.93	3.19	6.93	10.60	11.82	14.48	11.94	9.21	83.19
1954-55	6.57	3.03	2.02	1.24	2.52	5.05	5.94	8.93	11.76	13.92	13.67	9.66	84.31
1955-56	6.67	3.24	1.56	1.52	2.60	5.30	5.70	8.87	11.91	12.37	11.84	9.57	81.17
1956-57	4.93	3.99	2.29	1.83	2.46	4.40	6.60	7.55	12.51	13.76	12.90	9.18	82.38
1957-58	4.74	3.27	2.14	2.08	1.93	2.73	5.97	9.46	10.68	12.56	11.87	8.64	76.07
1958-59	6.54	3.03	2.60	2.36	2.13	5.95	7.98	9.73	13.56	15.53	13.76	9.03	92.20
1959-60	6.57	4.05	2.67	1.49	2.10	5.08	6.39	8.46	13.11	13.14	12.99	9.54	85.59
1960-61	5.43	2.34	2.02	2.60	3.05	4.28	7.20	8.99	13.65	15.41	10.39	9.06	84.42
1961-62	6.42	3.18	1.80	2.28	1.65	3.47	7.29	8.49	12.03	13.33	12.56	9.30	81.80
1962-63	5.55	3.00	2.70	2.82	2.74	4.46	4.38	8.31	10.74	14.32	12.03	7.89	78.94
1963-64	4.59	2.40	2.08	2.26	3.11	4.37	6.51	8.93	11.88	12.68	12.68	9.30	82.06
1964-65	6.54	2.58	2.02	1.83	2.97	3.94	4.74	8.90	10.32	11.87	10.48	8.19	74.38
1965-66	6.26	2.25	1.40	2.11	2.41	4.84	7.86	11.10	12.75	14.07	14.04	9.51	88.60
1966-67	6.20	2.55	1.58	1.89	2.52	4.43	3.72	8.22	10.20	12.71	11.63	7.41	73.06
1967-68	6.32	2.94	1.49	1.83	2.35	3.72	6.54	10.23	12.60	12.77	11.04	9.09	80.92
1968-69	5.24	2.58	1.24	1.40	1.57	4.03	5.76	9.30	9.78	12.28	12.56	8.70	74.44
1969-70	5.43	3.27	1.83	1.95	2.97	4.56	6.09	10.85	11.85	13.49	13.36	10.23	85.88
1970-71	6.63	3.51	1.36	1.74	2.77	5.61	6.63	8.49	12.51	14.38	13.30	9.93	86.86
1971-72	6.32	3.39	1.46	2.33	3.47	6.94	7.89	11.28	12.03	16.09	12.93	9.33	93.46
1972-73	5.24	2.43	1.71	2.20	2.55	3.69	7.17	10.20	13.83	15.78	13.14	10.56	88.50
1973-74	6.79	3.69	1.89	1.83	3.42	4.28	7.02	12.06	14.82	15.13	14.32	11.82	97.07
1974-75	5.64	3.24	2.20	2.51	2.52	3.97	5.70	11.53	15.72	16.93	15.53	10.68	96.17
1975-76	6.39	3.87	2.45	3.69	3.61	6.11	8.04	13.86	15.68	15.93	13.27	8.88	101.78
1976-77	6.17	4.47	2.76	2.14	3.75	5.49	10.05	9.36	15.03	18.45	15.41	11.52	103.85
1977-78	7.56	3.24	1.67	2.14	2.18	4.34	6.15	12.21	15.36	16.34	14.82	8.76	97.03
1978-79	7.56	3.42	2.39	2.05	2.63	4.22	7.83	11.87	15.08	15.97	13.36	10.98	96.25
1979-80	6.14	4.05	2.82	2.39	3.11	3.94	8.46	8.46	12.39	14.23	14.14	9.78	87.08
1980-81	6.96	3.66	2.36	2.08	3.06	6.84	7.98	11.56	17.16	17.92	15.69	11.34	104.92
1981-82	5.55	3.66	2.70	2.11	2.10	3.78	5.67	10.91	13.32	14.32	10.11	9.81	82.40
1982-83	5.77	2.70	1.80	2.11	3.22	5.83	7.71	13.61	14.22	13.14	12.06	10.20	92.40
1983-84	5.30	2.43	1.86	2.82	3.00	4.56	8.76	12.43	15.18	16.03	14.76	8.79	96.37
1984-85	5.95	2.73	1.92	2.26	3.00	4.56	8.31	12.28	14.82	15.56	15.25	9.60	96.74
1985-86	6.42	3.09	1.74	1.83	3.30	4.46	8.52	10.45	14.19	15.59	15.31	10.74	96.29
1986-87	5.98	3.81	2.11	1.83	3.67	6.94	7.56	10.45	12.38	15.25	12.74	9.84	92.92
1987-88	6.85	3.18	1.77	2.29	2.74	6.01	9.90	12.43	14.94	18.07	14.88	9.93	103.05
1988-89	6.73	3.24	1.95	2.23	2.97	6.73	7.98	12.25	15.36	17.48	14.85	10.95	104.89
1989-90	6.54	4.38	2.98	2.60	3.84	3.75	7.98	10.35	12.96	14.07	12.65	9.60	92.64
1990-91	8.40	4.02	2.54	2.48	3.84	5.86	9.45	11.56	12.36	14.14	14.20	10.53	104.48
1991-92	7.44	5.61	4.71	4.25	4.37	4.99	7.92	10.79	12.15	14.57	13.18	9.66	96.40
1992-93	6.48	4.32	4.37	3.63	4.34	4.67	7.12	10.41	13.12	14.77	13.23	9.63	89.71
MEAN	6.22	3.33	2.17	2.23	2.82	4.67	7.12	10.41	13.12	14.77	13.23	9.63	89.71

REPORT OF THE KERN RIVER WATERMASTER

APRIL 1994

Quantities in S.F.D. except where noted

DAY	ISABELLA		RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	CHANGE IN		COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	STORAGE IRRIGATION	KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	FRONT- KERN INFLOW	DAY								
	ELEVATION (FEET)	ACRE-FEET	MIDNIGHT STORAGE	S.F.D.				STORAGE+LOSS +1ST POINT +FLOW ABOVE	STORAGE+LOSS 1ST POINT															
Previous Day	2569.40	229,094	115,502	55	55	745	2	585	585	585	115,502	100,284	4	0	0	1								
1	2569.39	229,022	115,465	49	49	637	3	652	671	680	115,484	100,266	4	0	0	2								
2	2569.41	229,166	115,538	57	57	576	3	709	680	686	115,528	100,310	5	0	0	3								
3	2569.41	229,166	115,538	64	64	612	3	679	686	679	115,545	100,327	5	0	0	4								
4	2569.40	229,094	115,502	48	48	685	4	701	674	674	115,482	100,264	4	0	0	5								
5	2569.37	228,879	115,393	52	52	697	3	643	643	643	115,373	100,155	4	0	0	6								
6	2569.31	228,448	115,176	58	58	742	3	586	595	570	115,165	99,947	5	0	0	7								
7	2569.23	227,876	114,888	61	61	777	4	554	570	570	114,893	99,675	5	0	0	8								
8	2569.17	227,447	114,671	32	32	753	3	571	575	575	114,680	99,462	3	0	0	9								
9	2569.14	227,232	114,563	16	16	688	3	599	593	593	114,566	99,348	1	0	0	10								
10	2569.13	227,161	114,527	42	42	598	3	607	589	589	114,512	99,294	3	10	0	11								
11	2569.11	227,018	114,455	36	36	593	4	561	566	566	114,445	99,227	3	0	0	12								
12	2569.08	226,804	114,347	58	58	578	3	531	536	536	114,342	99,124	5	0	0	13								
13	2569.04	226,518	114,203	75	75	583	3	517	551	551	114,232	99,014	6	0	0	14								
14	2568.99	226,163	114,024	63	63	717	4	605	607	607	114,055	98,837	5	0	0	15								
15	2568.96	225,949	113,916	61	61	742	3	698	671	671	113,920	98,702	5	0	0	16								
16	2568.94	225,807	113,844	50	50	729	4	711	756	756	113,893	98,675	4	9	0	17								
17	2568.95	225,878	113,880	56	56	764	3	859	807	807	113,877	98,659	5	20	0	18								
18	2568.94	225,807	113,844	74	74	811	3	852	877	877	113,866	98,648	6	15	0	19								
19	2568.94	225,807	113,844	74	74	843	3	920	964	964	113,910	98,692	6	13	0	20								
20	2568.99	226,163	114,024	71	71	866	4	1,121	1,074	1,074	114,043	98,825	6	12	0	21								
21	2569.06	226,661	114,275	75	75	851	3	1,180	1,161	1,161	114,275	99,057	6	9	0	22								
22	2569.16	227,375	114,635	75	75	789	4	1,228	1,228	1,228	114,635	99,417	6	11	0	23								
23	2569.26	228,090	114,995	42	42	724	3	1,129	1,129	1,129	114,995	99,777	3	36	0	24								
24	2569.35	228,735	115,321	14	14	710	3	1,053	1,025	1,025	115,293	100,075	1	28	0	25								
25	2569.41	229,166	115,538	6	6	742	4	969	989	989	115,530	100,312	0	65	0	26								
26	2569.47	229,597	115,755	12	12	714	3	946	931	931	115,732	100,514	1	85	0	27								
27	2569.53	230,028	115,973	32	32	624	4	878	872	872	115,944	100,726	3	86	0	28								
28	2569.57	230,316	116,118	35	35	608	4	792	824	824	116,121	100,903	3	83	0	29								
29	2569.62	230,676	116,299	50	50	569	3	803	800	800	116,299	101,081	4	99	0	30								
30	2569.69	231,182	116,554	47	47	478	4	784	784	784	116,554	101,336	4	100	0									
TOTAL SECOND FOOT DAYS														1,485	20,800	101	23,438	23,438	116,554	101,336	121	681	0	
TOTAL ACRE-FEET														2,945	41,256	200	46,489	46,489	231,182	200,998	240	1,351	0	

By: *[Signature]* Date: *May 12, 1994*

REPORT OF THE KERN RIVER WATERMASTER

APRIL 1994

WATERMASTER NOTES *** KERN RIVER BULLETIN

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

April

None

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

YEAR	BIGHORN PLATEAU	COTTONWOOD PASS	SIBERIAN PASS	CRABTREE MEADOW	GUYOT FLAT	SANDY MEADOWS	TYNDALL CREEK	WHITNEY MEADOW	ROCK CREEK	ROUND MEADOW	RAMSHAW MEADOWS	WHITNEY MEADOW	LITTLE VIEJA MEADOWS	CASA VIEJA MEADOWS	QUINN RANGER STATION	BONITA MEADOWS	BEACH MEADOWS	BASIN WIDE AVERAGE	A--J RUNOFF IN PERCENT OF AVERAGE
1948	-	3.8	6.6	-	-	-	4.9	-	18.5	4.4	5.2	10.6	14.6	10.5	6.8	6.8	13.1	52%	
1949	13.2	5.8	9.1	12.8	12.0	12.8	11.6	9.8	28.7	9.4	10.6	15.0	20.1	15.9	10.5	13.1	16.8	45%	
1950	21.0	10.9	18.5	17.8	17.8	18.3	16.9	16.9	30.2	10.5	12.1	18.7	17.6	13.5	7.1	8.5	18.8	64%	
1951	17.3	8.3	12.5	9.7	11.8	11.5	9.7	7.5	4.3	0.0	0.0	0.0	1.6	0.0	0.0	0.0	6.5	56%	
1952	49.2	32.2	37.7	35.3	37.7	35.6	34.2	35.3	53.9	30.9	33.2	44.9	49.1	32.5	23.2	27.1	37.1	241%	
1953	16.8	9.4	14.1	12.3	12.9	12.3	12.3	12.1	18.4	6.3	9.2	11.7	17.4	8.2	5.3	12.1	17.8	71%	
1954	22.0	11.8	18.0	16.8	18.7	18.3	18.3	18.3	29.2	12.2	17.0	23.5	21.3	15.4	10.1	11.9	17.8	78%	
1955	14.7	8.1	11.8	13.4	13.4	10.7	10.7	12.3	14.9	7.0	8.0	11.3	13.5	6.5	3.3	11.1	14.9	46%	
1956	33.3	12.6	26.7	26.7	27.9	25.1	24.3	23.0	22.3	9.0	13.5	15.1	12.8	8.9	0.0	18.5	11.3	13%	
1957	14.3	11.7	14.1	11.8	12.6	11.5	11.5	10.0	14.7	9.8	7.1	10.9	14.4	6.3	0.0	16.5	18.6	13%	
1958	25.9	20.5	25.0	23.5	25.3	24.5	24.0	23.7	38.2	17.0	21.2	30.3	26.6	26.6	21.6	24.8	27.8	173%	
1959	10.3	5.7	9.7	9.0	9.7	7.3	8.2	8.4	6.0	5.6	6.6	8.4	5.7	1.8	0.0	7.0	7.0	28%	
1960	11.8	4.7	9.4	9.4	10.9	7.9	9.5	9.4	20.2	2.0	2.5	6.1	5.7	5.9	2.7	4.4	4.6	36%	
1961	6.0	3.8	6.0	7.1	7.8	4.5	4.3	4.8	12.6	0.0	0.0	8.0	6.0	2.1	0.0	4.6	19%		
1962	37.4	27.0	31.8	33.7	35.5	32.6	31.4	30.7	40.5	0.0	0.0	32.1	35.3	27.9	21.3	32.0	111%	102%	
1963	19.7	17.5	16.1	17.1	18.4	17.1	17.2	17.0	13.5	12.9	-	11.0	5.6	5.7	1.0	13.5	18.5	102%	
1964	5.1	1.5	3.9	6.1	6.1	5.4	4.8	4.3	15.1	8.6	11.4	6.1	10.8	5.2	2.7	6.1	16.1	98%	
1965	25.8	13.1	16.4	20.1	18.0	19.8	17.8	15.0	25.2	5.3	6.9	17.0	16.5	10.3	7.0	16.0	19.5	47%	
1966	15.7	7.1	14.0	12.9	15.3	11.9	13.2	11.6	10.9	18.5	3.0	14.2	10.6	10.9	4.7	25.5	47%		
1967	37.1	25.2	32.9	32.2	35.8	30.6	30.0	30.3	30.4	19.4	19.5	20.3	17.9	14.5	3.0	25.5	30.0	188%	
1968	14.1	8.9	12.6	12.3	14.0	11.8	12.6	11.1	17.5	7.6	6.2	12.9	9.7	8.6	4.1	11.0	11.0	53%	
1969	55.3	41.1	48.4	48.5	50.6	46.3	48.6	45.0	69.8	38.1	46.1	61.4	59.8	50.2	36.8	49.5	49.5	375%	
1970	17.0	9.1	12.6	16.4	14.7	16.1	14.6	11.4	16.7	4.5	7.2	13.4	12.7	6.1	4.1	11.8	11.8	69%	
1971	15.7	5.7	12.6	11.7	13.2	11.9	13.1	10.8	11.1	21.2	3.3	5.5	14.0	9.4	3.4	11.2	11.2	53%	
1972	7.6	2.5	6.6	6.3	7.6	5.2	3.4	4.1	4.8	0.0	0.0	3.4	2.2	0.0	0.0	3.7	3.7	27%	
1973	33.6	24.4	30.0	31.7	33.7	31.3	31.8	27.2	30.4	42.7	28.2	31.7	40.8	28.1	22.3	30.8	30.8	135%	
1974	25.4	13.2	20.6	20.5	22.6	19.0	20.4	19.1	29.8	14.3	14.8	21.2	25.0	10.3	10.1	19.4	19.4	115%	
1975	18.9	9.7	15.0	16.9	17.6	16.2	15.1	15.9	26.8	11.6	14.0	20.7	25.3	10.3	10.3	16.5	16.5	63%	
1976	5.9	4.4	5.8	3.3	5.4	3.3	4.7	5.5	3.6	11.9	0.9	7.2	6.3	-	2.2	4.8	4.8	23%	
1977	5.0	3.5	4.0	4.7	4.8	3.2	3.5	4.9	3.1	10.8	2.1	0.0	2.0	6.7	0.0	3.7	3.7	21%	
1978	43.1	40.1	40.1	39.7	41.7	40.1	40.6	37.3	46.8	31.9	37.6	41.1	43.7	32.2	23.6	38.7	38.7	235%	
1979	19.9	13.2	17.5	18.2	17.5	17.7	18.8	14.7	25.3	21.6	14.2	14.2	-	18.2	14.9	16.9	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	36.7	18.7	16.2	30.2	30.2	213%	
1981	15.3	11.8	13.0	14.0	14.8	14.1	15.8	10.9	12.8	8.6	9.6	14.6	15.7	12.3	7.5	13.0	13.0	54%	
1982	32.4	17.4	24.6	23.2	24.3	24.1	26.3	20.3	31.0	15.2	19.0	29.2	-	11.8	11.8	23.0	23.0	171%	
1983	48.9	34.9	45.0	45.3	49.2	46.9	43.7	38.8	44.7	63.4	33.2	48.1	52.1	42.2	30.8	44.0	44.0	332%	
1984	21.9	9.7	15.4	20.1	17.6	18.1	17.0	13.8	15.7	2.1	2.6	11.9	9.4	2.1	0.0	11.9	11.9	91%	
1985	18.6	17.2	20.5	17.2	20.8	16.3	15.5	19.0	18.9	26.2	14.6	15.0	19.1	17.7	10.8	18.3	18.3	91%	
1986	45.1	34.1	39.3	39.6	37.3	35.1	34.8	36.5	44.2	22.8	25.4	35.0	29.8	21.3	11.8	32.5	32.5	190%	
1987	11.3	7.6	8.9	9.3	11.5	9.2	7.8	8.1	15.8	6.3	8.3	9.8	17.3	9.0	1.3	9.5	9.5	35%	
1988	8.6	5.3	7.8	8.8	8.9	8.0	8.0	6.3	7.2	0.0	0.0	2.7	2.4	0.4	0.0	5.1	5.1	45%	
1989	15.3	10.2	13.0	12.3	15.7	13.3	11.0	14.4	21.7	7.3	11.5	17.2	12.9	14.6	5.2	13.1	12.9	50%	
1990	7.8	1.9	6.1	6.6	7.2	4.9	7.9	6.2	4.0	9.9	0.9	2.2	4.9	1.6	0.0	4.8	4.8	24%	
1991	19.7	14.1	17.5	14.1	18.9	17.1	17.2	15.1	24.7	11.6	14.8	14.0	21.0	15.0	7.0	16.2	16.2	59%	
1992	12.7	13.2	11.7	11.0	10.7	12.2	12.0	9.1	9.9	21.0	7.7	8.0	10.8	11.0	4.0	11.1	11.1	38%	
1993	33.7	19.6	29.9	27.6	30.2	27.7	29.3	28.4	41.0	19.8	22.5	30.0	32.1	14.5	14.5	27.3	27.3	126%	
1994	13.4	6.7	11.3	12.1	13.6	11.2	11.5	8.8	10.6	14.3	5.9	7.1	7.9	7.3	3.2	9.7	9.7	44%	
MAXIMUM	55.3	41.1	48.4	48.5	50.6	46.9	48.6	45.0	69.8	38.1	46.1	61.4	59.8	50.2	36.8	49.5	49.5	44%	
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	1.6	0.0	0.0	3.7	3.7	21%	
AVERAGE	21.7	13.8	18.2	18.3	19.8	18.2	18.3	16.4	24.4	10.8	13.0	19.2	18.4	13.6	8.2	16.8	16.8	102%	

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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. (30,184 ACFT)	STORAGE IRRIGATION	KERN COUNTY REC REACTION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	FRONT-KERN INFLOW
		ACRE- FEET	S.F.D.				+1ST POINT	+FLOW ABOVE 1ST POINT						
Previous Day	2569.69	231,182	116,554	47	478	4	784	784	784	116,554	101,336	4	100	0
1	2569.77	231,758	116,845	56	457	4	808	798	798	116,835	101,617	4	93	0
2	2569.84	232,265	117,100	75	445	4	779	787	787	117,098	101,880	6	107	0
3	2569.92	232,845	117,393	44	433	4	774	785	785	117,402	102,184	3	98	0
4	2569.99	233,353	117,649	73	468	4	801	816	816	117,673	102,455	6	77	0
5	2570.05	233,787	117,868	63	588	4	874	884	884	117,902	102,684	5	56	0
6	2570.13	234,369	118,161	50	630	4	977	949	949	118,167	102,949	4	28	0
7	2570.26	235,315	118,638	27	487	4	995	939	939	118,588	103,370	2	36	0
8	2570.36	236,045	119,006	31	441	5	845	877	877	118,988	103,770	2	35	0
9	2570.43	236,557	119,264	65	464	4	791	815	815	119,270	104,052	5	45	0
10	2570.50	237,070	119,523	70	477	4	810	836	836	119,555	104,337	5	39	0
11	2570.61	237,875	119,929	63	433	4	906	936	936	119,991	104,773	5	35	0
12	2570.75	238,905	120,448	103	464	5	1,091	1,152	1,152	120,571	105,353	8	17	0
13	2570.98	240,600	121,303	72	527	4	1,458	1,392	1,392	121,360	106,142	5	17	0
14	2571.24	242,525	122,273	79	575	4	1,628	1,571	1,571	122,273	107,055	6	34	0
15	2571.51	244,531	123,284	90	581	4	1,686	1,686	1,686	123,284	108,066	7	36	0
16	2571.75	246,326	124,189	51	580	5	1,541	1,474	1,474	124,122	108,904	4	17	0
17	2571.95	247,825	124,945	17	564	4	1,341	1,340	1,340	124,877	109,659	1	0	0
18	2572.10	249,953	125,514	45	518	5	1,137	1,155	1,155	125,464	110,246	3	0	0
19	2572.20	249,707	125,894	56	546	5	987	1,034	1,034	125,891	110,673	4	0	0
20	2572.28	250,310	126,198	61	607	5	977	960	960	126,178	110,960	4	11	0
21	2572.39	251,143	126,618	69	423	4	916	919	919	126,601	111,383	5	29	0
22	2572.48	251,825	126,962	83	433	5	865	897	897	126,977	111,759	6	8	0
23	2572.58	252,583	127,344	68	455	5	910	913	913	127,362	112,144	5	0	0
24	2572.67	253,267	127,689	100	514	5	964	1,002	1,002	127,745	112,527	7	0	0
25	2572.76	253,951	128,034	116	668	4	1,133	1,085	1,085	128,042	112,824	8	0	0
26	2572.84	254,562	128,342	92	753	5	1,158	1,177	1,177	128,369	113,151	6	0	0
27	2572.94	255,326	128,727	77	774	5	1,241	1,250	1,250	128,763	113,545	5	0	0
28	2573.06	256,243	129,189	97	788	4	1,351	1,305	1,305	129,179	113,961	7	0	0
29	2573.15	256,933	129,537	99	872	4	1,323	1,360	1,360	129,564	114,346	7	0	0
30	2573.25	257,701	129,924	55	958	5	1,405	1,378	1,378	129,924	114,706	4	0	0
31	2573.35	258,469	130,312	97	930	5	1,420	1,420	1,420	130,312	115,094	7	0	0
TOTAL SECOND FOOT DAYS				2,144	17,853	137	33,892	33,892	33,892	130,312	115,094	156	818	0
TOTAL ACRE-FEET				4,253	35,411	272	67,224	67,224	67,224	258,469	228,285	309	1,622	0

By: *[Signature]* Date: JUNE 10, 1994

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
May	1-22	2	BWSD FLOW ABOVE FIRST POINT - La HACIENDA, INC.	Delivery of Carmel "Power Flow" water as per terms of La Hacienda, Inc./ Olcese Water District letter agreement dated May 27, 1994.
May	17	2	BWSD FLOW ABOVE FIRST POINT - OLCESE WD	Delivery of 2800 Acre Well Exchange water as per terms of BUENA VISTA WATER STORAGE DISTRICT/Olcese Water District letter agreement dated May 2, 1994.

KERN RIVER
SECOND POINT ENTITLEMENT
1954-1993

(Quantities in thousands of acre-feet)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual	Mar-Aug	Sep-Feb
1954	0.0	0.0	7.2	20.6	26.4	30.7	9.3	2.1	0.0	0.0	0.0	0.0	96.3	96.3	0.0
1955	0.0	0.0	0.0	4.8	16.2	22.9	3.4	0.0	0.0	0.0	0.0	13.2	60.5	47.3	13.2
1956	6.8	0.0	14.2	25.3	48.0	51.8	25.9	7.7	0.0	0.0	0.0	0.0	179.7	172.9	6.8
1957	0.0	0.0	1.1	4.8	19.5	38.1	8.1	0.3	0.0	0.0	0.0	0.0	71.9	71.9	0.0
1958	0.0	0.6	12.9	52.5	118.7	72.6	20.9	11.9	0.0	0.0	0.0	0.0	290.1	289.5	0.6
1959	0.0	0.0	0.4	7.2	6.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0	17.4	17.4	0.0
1960	0.0	0.2	0.0	7.2	12.7	8.6	0.2	0.0	0.0	0.0	0.0	0.0	28.9	28.7	0.2
1961	0.0	0.0	0.0	2.0	3.7	2.3	0.7	0.0	0.0	0.0	0.0	0.0	8.7	8.7	0.0
1962	0.0	2.6	1.4	43.9	39.4	47.1	17.9	2.8	0.0	0.0	0.0	0.0	155.1	152.5	2.6
1963	4.1	13.5	8.0	16.4	39.5	50.1	27.9	9.0	0.0	0.0	0.0	0.0	168.5	150.9	17.6
1964	0.0	0.0	2.2	8.0	13.7	11.7	1.7	0.1	0.0	0.0	0.0	3.8	41.2	37.4	3.8
1965	0.0	0.0	5.8	20.0	37.3	44.2	24.5	9.7	0.0	0.0	0.0	0.0	141.5	141.5	0.0
1966	0.0	0.0	6.6	16.2	20.3	8.8	1.5	0.6	0.0	0.0	0.0	75.6	129.6	54.0	75.6
1967	0.4	0.3	21.6	24.2	89.3	111.0	75.1	24.2	0.0	0.0	0.0	0.0	346.1	345.4	0.7
1968	0.0	9.8	15.2	22.1	14.7	3.9	0.9	0.0	0.0	0.0	0.0	0.0	66.6	66.6	0.0
1969	39.3	9.4	48.6	124.3	222.1	173.1	81.4	29.7	0.0	0.0	0.0	0.0	727.9	679.2	48.7
1970	4.3	0.0	13.3	14.5	29.8	25.1	10.1	1.9	0.0	0.0	0.0	0.0	99.0	94.7	4.3
1971	0.0	0.0	7.5	11.1	15.3	20.6	7.7	0.9	0.0	0.0	0.0	0.0	63.1	63.1	0.0
1972	0.0	0.0	4.7	3.3	8.8	6.6	0.2	0.0	0.0	0.0	0.0	0.0	23.6	23.6	0.0
1973	0.0	0.0	11.1	31.1	102.0	76.3	23.1	7.1	0.0	0.0	0.0	0.0	250.7	250.7	0.0
1974	0.1	0.0	17.8	31.0	57.7	52.5	16.3	6.8	0.0	0.0	0.0	0.0	182.2	182.1	0.1
1975	0.0	0.0	7.8	9.2	43.7	42.2	10.6	1.5	0.0	0.0	0.0	0.0	115.0	115.0	0.0
1976	0.0	0.0	1.5	2.6	9.1	1.1	0.5	0.4	0.0	0.0	0.0	0.0	15.2	15.2	0.0
1977	0.0	0.0	0.0	2.0	2.3	5.7	0.0	0.1	0.0	0.0	0.0	0.4	10.5	10.1	0.4
1978	0.7	15.2	56.0	54.8	132.4	106.6	61.6	17.6	3.1	0.0	0.0	0.0	448.0	429.0	19.0
1979	0.0	0.0	17.3	26.9	49.9	28.7	9.0	2.8	0.0	0.0	0.0	0.0	134.6	134.6	0.0
1980	25.2	30.5	40.5	65.4	97.2	94.8	57.9	19.0	0.0	0.0	0.0	0.0	430.5	374.8	55.7
1981	0.0	0.0	8.7	16.4	23.4	15.2	2.3	0.1	0.0	0.0	0.0	0.0	66.1	66.1	0.0
1982	0.0	1.4	19.4	73.8	86.0	60.0	30.0	13.7	5.8	0.0	2.5	3.5	296.1	282.9	13.2
1983	6.1	17.7	95.9	57.4	171.2	208.8	87.6	46.1	0.0	0.0	2.4	7.5	700.7	667.0	33.7
1984	0.5	0.0	20.7	23.4	48.9	24.0	18.6	9.9	0.0	0.0	0.0	0.0	146.0	145.5	0.5
1985	0.0	0.0	11.3	39.3	42.5	26.4	7.3	1.7	0.0	0.0	0.0	0.0	128.5	128.5	0.0
1986	0.1	26.8	68.0	63.5	99.5	87.5	31.4	12.2	0.0	0.0	0.0	0.0	389.0	362.1	26.9
1987	0.0	0.0	7.4	11.9	18.0	12.2	2.1	0.1	0.0	0.0	0.0	0.0	51.7	51.7	0.0
1988	0.0	0.0	3.8	6.9	12.7	8.1	1.0	0.1	0.0	0.0	0.0	0.0	32.6	32.6	0.0
1989	0.0	0.0	15.7	23.4	17.0	10.2	1.1	0.0	0.0	0.0	0.0	0.0	67.4	67.4	0.0
1990	0.0	0.0	1.5	4.5	6.4	3.7	0.0	0.0	0.0	0.0	0.0	0.0	16.1	16.1	0.0
1991	0.0	0.0	9.9	12.8	19.5	26.7	6.3	0.1	0.0	0.0	0.0	0.0	75.3	75.3	0.0
1992	0.0	0.0	2.5	12.0	17.8	4.8	0.1	0.0	0.0	0.0	0.0	0.0	37.2	37.2	0.0
1993	0.5	0.0	24.3	38.0	64.6	49.2	22.1	4.5	0.0	0.0	0.0	0.0	203.2	202.7	0.5
Mean	2.2	3.0	15.2	25.7	47.8	42.2	17.7	6.1	0.2	0.0	0.1	2.6	162.8	154.7	8.1

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DAY	ISABELLA		RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL STORAGE = 15,218 S.F.D. (90,184 ACFT)	KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	FRIANT- KERN INFLOW
	ELEVATION (FEET)	MIDNIGHT STORAGE	ACRE- FEET	S.F.D.				+1ST POINT	+FLOW ABOVE					
Previous Day	2573.35	258,469	130,312	97	930	5	1,420	1,420	1,420	1,420	130,312	7	0	0
1	2573.47	259,394	130,778	100	884	5	1,455	1,455	1,455	1,455	130,778	7	0	0
2	2573.60	260,396	131,283	107	839	5	1,456	1,456	1,458	1,458	131,285	7	0	0
3	2573.69	261,093	131,634	133	974	6	1,464	1,464	1,463	1,463	131,635	9	0	0
4	2573.78	261,789	131,985	122	989	6	1,468	1,468	1,411	1,411	131,929	8	0	0
5	2573.83	262,177	132,181	96	1,005	5	1,302	1,302	1,331	1,331	132,154	6	0	0
6	2573.85	262,332	132,259	87	1,051	6	1,222	1,222	1,211	1,211	132,221	6	0	0
7	2573.82	262,099	132,142	101	1,118	6	1,108	1,108	1,137	1,137	132,133	7	0	0
8	2573.76	261,633	131,907	98	1,213	5	1,081	1,081	1,076	1,076	131,893	7	0	0
9	2573.68	261,015	131,595	98	1,246	6	1,038	1,038	1,096	1,096	131,639	7	59	0
10	2573.62	260,551	131,361	110	1,287	6	1,169	1,169	1,141	1,141	131,377	7	189	0
11	2573.58	260,242	131,205	129	1,237	6	1,216	1,216	1,201	1,201	131,206	9	193	0
12	2573.54	259,932	131,049	147	1,222	6	1,219	1,219	1,174	1,174	131,005	10	193	0
13	2573.48	259,471	130,817	116	1,198	6	1,088	1,088	1,118	1,118	130,803	8	189	0
14	2573.39	258,777	130,467	145	1,244	7	1,046	1,046	1,063	1,063	130,470	10	191	0
15	2573.29	258,007	130,079	126	1,312	6	1,056	1,056	1,013	1,013	130,039	9	232	0
16	2573.17	257,086	129,614	121	1,273	7	936	936	943	943	129,581	8	227	0
17	2573.04	256,089	129,112	88	1,246	6	838	838	838	838	129,079	6	192	0
18	2572.89	254,943	128,534	111	1,200	7	740	740	767	767	128,528	8	164	0
19	2572.74	253,801	127,958	106	1,186	7	723	723	718	718	127,947	7	143	0
20	2572.57	252,507	127,306	115	1,221	7	691	691	703	703	127,307	8	128	0
21	2572.39	251,143	126,618	105	1,271	7	695	695	682	682	126,606	7	146	0
22	2572.20	249,707	125,894	119	1,259	6	660	660	673	673	125,895	9	126	0
23	2572.02	248,350	125,210	132	1,210	7	665	665	637	637	125,183	10	117	0
24	2571.83	246,924	124,491	118	1,180	7	586	586	604	604	124,482	9	118	0
25	2571.64	245,502	123,774	123	1,147	7	560	560	587	587	123,792	9	89	0
26	2571.47	244,234	123,135	122	1,126	6	615	615	578	578	123,116	9	98	0
27	2571.28	242,820	122,422	115	1,149	7	558	558	575	575	122,420	9	79	0
28	2571.08	241,338	121,675	107	1,185	7	552	552	562	562	121,683	8	38	0
29	2570.86	239,714	120,856	125	1,262	7	575	575	567	567	120,856	9	15	0
30	2570.63	238,022	120,003	120	1,290	7	564	564	564	564	120,003	9	35	0
TOTAL SECOND FOOT DAYS					3,442	35,024	189	28,346	28,346	28,346	120,003	242	2,961	0
TOTAL ACRE-FEET					6,827	69,470	374	56,223	56,223	56,223	238,022	480	5,873	0

By: *[Signature]*

Date: July 13, 1994

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

Previous Day	FLOW ABOVE FIRST POINT				FLOW ABOVE FIRST POINT				FLOW ABOVE FIRST POINT				ENTITLEMENT Contributed by: NAKWSD BVWSD	RESERVOIR STORAGE		RESERVOIR STORAGE		LOSS	STORAGE	DAY
	ENTL AT 1ST POINT	FLOW MING	LAKE OLCSE	VALLEY GOLF	ENTL AT 2ND POINT	VIA KWD	VIA CWD	FOR CITY	AT 2ND POINT	OLCSE WD	RESERVOIR STORAGE	LOSS		RESERVOIR STORAGE	LOSS	STORAGE	INC.			
1	1,088	868	1	0	1	63	71,852	367	16	0	0	0	0	3	37	43,708	0	0	0	1
2	1,090	821	2	0	0	67	72,052	368	18	0	0	0	0	3	40	44,015	0	0	0	2
3	1,093	958	1	0	1	84	72,101	370	16	0	0	0	0	4	49	44,316	0	0	0	3
4	1,058	971	2	0	0	77	72,109	353	18	0	0	0	0	4	45	44,602	0	0	0	4
5	1,003	982	1	0	1	60	72,068	328	23	0	0	0	0	3	36	44,868	0	0	0	5
6	921	1,029	2	0	0	54	71,904	290	22	0	0	0	0	4	33	45,099	0	0	0	6
7	871	1,088	1	0	1	63	71,622	266	30	0	0	0	0	4	38	45,293	0	0	0	7
8	829	1,136	2	0	0	61	71,252	247	46	0	31	0	0	3	37	45,423	0	0	0	8
9	843	1,069	1	0	1	61	70,963	253	64	0	54	59	0	4	37	45,458	0	0	0	9
10	873	962	2	0	0	68	70,804	268	82	0	54	189	0	4	42	45,355	0	0	0	10
11	914	912	1	0	1	80	70,724	287	74	0	58	193	0	4	49	45,264	0	0	0	11
12	896	883	2	0	0	91	70,644	278	87	0	59	193	0	4	56	45,143	0	0	0	12
13	858	866	1	0	1	72	70,562	260	84	0	59	189	0	4	44	45,023	0	0	0	13
14	820	888	2	0	1	90	70,401	243	106	0	59	191	0	4	55	44,851	0	0	0	14
15	786	933	2	0	0	78	70,174	227	89	0	58	232	0	4	48	44,647	0	0	0	15
16	738	919	2	0	1	75	69,915	205	69	0	58	227	0	4	46	44,448	0	0	0	16
17	667	910	2	0	0	55	69,615	171	86	0	58	192	0	4	33	44,246	0	0	0	17
18	618	877	2	0	1	69	69,284	149	102	0	57	164	0	4	42	44,026	0	0	0	18
19	585	918	2	0	0	66	68,883	133	68	0	57	143	0	5	40	43,846	0	0	0	19
20	575	976	2	0	1	71	68,408	128	60	0	57	128	0	4	44	43,681	0	0	0	20
21	560	1,011	2	0	1	65	67,889	122	58	0	56	146	0	4	40	43,499	0	0	0	21
22	554	967	2	0	0	74	67,500	119	67	143	56	126	0	4	45	43,177	0	0	0	22
23	530	786	2	0	1	82	67,159	107	70	181	56	117	0	4	50	42,806	0	0	0	23
24	507	771	2	0	0	73	66,820	97	73	162	56	118	0	5	45	42,444	0	0	0	24
25	496	742	2	0	1	76	66,495	91	77	188	51	89	0	4	47	42,079	0	0	0	25
26	490	719	2	0	0	76	66,188	88	101	161	47	98	0	4	46	41,710	0	0	0	26
27	488	782	2	0	1	72	65,819	87	76	172	40	79	0	4	43	41,383	0	0	0	27
28	479	852	2	0	1	67	65,376	83	82	173	40	38	0	4	40	41,089	0	0	0	28
29	482	933	2	0	0	78	64,845	85	86	190	38	15	0	5	47	40,793	0	0	0	29
30	480	920	2	0	1	75	64,327	84	106	195	34	35	0	4	45	40,458	0	0	0	30
S.F.D.	22,192	27,349	53	0	17	2,143	64,327	6,154	1,956	1,565	1,193	2,961	119	1,299	40,458	0	0	0	0	S.F.D.
AC.FT.	44,017	54,246	105	0	33	4,250	127,591	12,206	3,880	3,104	2,367	5,873	236	2,577	80,247	0	0	0	0	AC.FT.
															TOTAL ACRE-FOOT STORAGE DAYS	2,603,800	TOTAL ACRE-FOOT STORAGE DAYS	2,603,800	TOTAL ACRE-FOOT STORAGE DAYS	0

Revision of report dated July 13, 1994

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH DAY(S) PAGE NO. TITLE OF COLUMN

COMMENT

June 8 2 BWSW FLOW - FOR CITY

Delivered as per terms of BUENA VISTA WATER STORAGE DISTRICT/City of Bakersfield Agreement No. 94-01 W.B. "RECOVERY AND EXCHANGE OF BANKED WATER" dated January 19, 1994.

ISABELLA RESERVOIR STORAGE (MIDNIGHT)

JUNE

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1954	81178	81960	82982	83784	84544	85000	85190	85304	85380	85304	84734	83874	83214	82380	81546	80843	80140	79437	78716	78016	77302	76700	76106	75135	74155	73105	71722	70654	69512	
1955	27558	28178	28656	29023	30413	32340	34706	37154	39058	40920	41975	42720	43082	43397	43557	43464	43347	43255	43231	43208	43208	42988	42850	42254	41812	41279	40741	40282	39753	
1956	238108	241431	244128	246920	248345	251575	253917	256207	258944	261731	264693	267390	269952	272063	273635	274328	274935	275448	275962	276480	277111	277859	280250	280881	281758	282286	283033			
1957	151606	154696	159517	162004	165063	168019	170888	173312	176103	179003	179893	179693	179063	178063	176803	175347	173781	172105	170329	168463	166507	164471	162255	160069	157893	155727	153581	151455	149349	
1958	413405	417863	422179	426563	430959	435371	439804	444268	448763	453283	457837	462425	467047	471703	476394	481121	485884	490683	495518	500389	505297	510243	515227	520249	525300	530381	535493	540636	545810	
1959	207143	206490	204989	203563	201638	200392	199024	197525	195506	192969	191382	189343	187185	184871	182030	179498	176967	174341	171617	168909	166239	163224	160463	157367	154240	151305	148526	145861	143308	140259
1960	118730	118825	118873	118925	118988	119024	119078	119108	119124	119124	119114	119081	119024	118949	118860	118750	118629	118498	118358	118209	118052	117889	117722	117551	117376	117198	117016	116829	116637	
1961	47316	47567	47743	47963	48344	48831	49404	49951	50498	51149	51771	52150	52385	52504	52508	52398	52174	51936	51685	51420	51144	50858	50563	50260	49951	49628	49292	48944	48584	
1962	133745	133508	132677	131877	130977	129977	128877	127677	126377	124977	123477	121877	120177	118377	116477	114477	112377	110177	107877	105477	102977	100377	97677	94977	92277	89577	86877	84177	81477	78777
1963	294844	296760	303112	307002	310684	314011	316714	318714	320068	321772	322868	323368	323368	322868	321868	320368	318368	315868	313368	310868	308368	305868	303368	300868	298368	295868	293368	290868	288368	285868
1964	201836	202104	202236	202336	202384	202392	202368	202308	202232	202144	202044	201932	201808	201672	201524	201364	201192	201008	200812	200604	200384	200152	199908	199648	199372	199080	198764	198432	198084	197720
1965	227495	230606	233020	235222	238263	241937	245992	249839	253471	256895	260121	263149	265969	268583	271092	273496	275796	277992	280084	282072	283956	285736	287412	288984	290452	291816	293076	294232	295284	296232
1966	175782	176445	177192	177919	178625	179312	179988	180654	181311	181958	182596	183224	183842	184450	185048	185636	186214	186782	187340	187888	188426	188954	189472	189980	190478	190966	191444	191912	192370	192818
1967	374280	378759	383878	389618	395977	394433	394813	391504	386667	380732	404105	408790	413504	418238	422982	427636	432200	436674	441058	445352	449556	453670	457694	461628	465472	469226	472890	476464	479948	483342
1968	256433	257713	259396	260131	260985	261193	260738	260207	259674	259142	258610	258078	257546	257014	256482	255950	255418	254886	254354	253822	253290	252758	252226	251694	251162	250630	250098	249566	249034	248502
1969	467816	469072	470328	471584	472840	474096	475352	476608	477864	479120	480376	481632	482888	484144	485400	486656	487912	489168	490424	491680	492936	494192	495448	496704	497960	499216	500472	501728	502984	504240
1970	317214	320178	323200	326380	329724	333232	336912	340764	344788	348976	353340	357880	362592	367476	372532	377760	383160	388732	394476	400392	406484	412752	419196	425816	432520	439404	446468	453712	461136	468740
1971	216954	217778	218601	219427	220253	221080	221907	222734	223561	224388	225215	226042	226869	227696	228523	229350	230177	231004	231831	232658	233485	234312	235139	235966	236793	237620	238447	239274	240101	240928
1972	123793	124136	124332	124431	124480	124490	124458	124388	124288	124158	123998	123808	123598	123368	123118	122848	122548	122218	121868	121498	121108	120698	120268	119818	119348	118848	118318	117768	117198	116608
1973	329716	333635	339502	343318	348881	354561	360225	365961	371537	376951	382161	387161	391961	396561	400961	405161	409161	412961	416561	419961	423161	426161	428961	431561	434061	436461	438761	440961	443061	445061
1974	414585	418227	422919	428732	431157	435704	441574	448278	453062	454545	458102	461160	463821	466148	468148	470000	472256	473800	475656	476812	478112	479512	481012	482612	484312	486112	488012	490012	492112	494312
1975	306170	310747	315275	319838	324337	328465	331128	334068	336673	338812	341625	343944	346899	349578	352081	354428	356616	358644	360512	362220	363768	365156	366384	367452	368380	369168	369816	370334	370722	371000
1976	169361	169065	168652	168152	167600	167000	166352	165656	164912	164072	163136	162104	160976	159752	158432	156916	155204	153296	151192	148896	146400	143712	140936	138072	135120	132080	128944	125712	122384	118952
1977	72984	73928	74888	75778	76700	77621	78584	79335	79844	80101	81492	81625	82096	82272	82347	82347	82347	82347	82347	82347	82347	82347	82347	82347	82347	82347	82347	82347	82347	82347
1978	390285	385377	390149	395328	401019	407039	413296	420483	428321	436438	444145	447413	453186	457962	461535	464400	466558	468008	468908	469248	469032	468256	466928	465056	462640	459784	456448	452632	448336	443560
1979	429420	431627	434339	435051	436463	438062	440107	441123	441629	441832	442035	441934	441629	440818	439296	437178	434584	431445	427818	423718	419118	415024	411432	408336	405736	403632	401928	400624	399720	399116
1980	502400	503827	506688	508682	510226	512622	514908	517204	520384	523894	527008	530544	533544	537080	540224	543888	547672	551584	555624	560000	564832	570128	575888	582112	588816	596000	603760	612096	621000	630480
1981	308510	307610	308456	309390	310579	311858	312456	312456	312456	312456	312285	311723	310238	309990	309651	309112	308493	307803	307043	306223	305353	304433	303473	302473	301433	300353	299233	298073	296873	295633
1982	523333	530103	538154	547324	557694	569364	582434	596904	612774	630044	648814	669084	690854	714124	738994	765464	793534	823204	854474	887344	921814	957884	995554	1034824	1075714	1118224	1162354	1208084	1255414	1304344
1983	497033	505666	512296	517863	522384	526901	531378	535873	540378	544893	549418	553943	558468	562993	567518	572043	576568	581093	585618	590143	594668	599193	603718	608243	612768	617293	621818	626343	630868	635393
1984	407426	404456	400986	407256	407159	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745	407745
1985	376405	377344	376663	376701	376455	376055	375510	374829	374013	373063	372088	371088	370063	369013	367938	366838	365713	364563	363388	362188	360963	359713	358438	357138	355813	354463	353088	351688	350263	348813
1986	538781	543817	547730	551356	553732	555868	556802	557469	557862	558011	558011	557941	557741	557516	557266	556992	556692	556367	556017	555642	555242	554817	554362	553877	553362	552817	552242	551637	550992	550317
1987	273876	274631	275467	276228	276928	277568	278152	278681	279156	279624	280087	280546	280992	281436	281870	282294	282708	283112	283506	283890	284264	284628	284982	285326	285660	285984	286308	286622	286936	287250
1988	156970	156837	157163	157372	157572																									

REPORT OF THE KERN RIVER WATERMASTER

JULY 1994

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	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN Recreation Pool + Dead Storage = 15,218 S.F.D. (90.194 ACFT)	KERN COUNTY RECREATION		2ND POINT GROUP FLOW AT 2ND PT.	FRIANT-KERN INFLOW	DAY
		ACRE-FEET	S.F.D.				+1ST POINT	+FLOW ABOVE 1ST POINT			POOL LOSS	RECREATION			
Previous Day	2570.63	238,022	120,003	120	1,290	7	564	564	564	120,003	104,785	9	35	0	0
1	2570.39	236,265	119,117	144	1,284	6	548	548	548	119,117	103,899	11	42	0	1
2	2570.14	234,442	118,198	120	1,303	7	511	511	495	118,182	102,964	9	47	0	2
3	2569.87	232,482	117,210	143	1,301	7	463	463	462	117,193	101,975	11	64	0	3
4	2569.59	230,460	116,190	128	1,296	7	411	411	439	116,201	100,983	10	63	0	4
5	2569.33	228,592	115,249	132	1,244	7	442	442	423	115,241	100,023	11	36	0	5
6	2569.07	226,732	114,311	117	1,229	7	415	415	426	114,314	99,096	10	42	0	6
7	2568.80	224,811	113,342	110	1,272	7	420	420	423	113,348	98,130	9	54	0	7
8	2568.52	222,828	112,343	103	1,324	7	435	435	425	112,339	97,121	9	57	0	8
9	2568.22	220,717	111,278	125	1,353	7	420	420	416	111,270	96,052	11	44	0	9
10	2567.91	218,546	110,184	140	1,341	6	393	393	384	110,167	94,949	12	35	0	10
11	2567.60	216,388	109,096	110	1,312	7	341	341	361	109,099	93,881	10	30	0	11
12	2567.29	214,243	108,014	132	1,293	7	350	350	347	108,014	92,796	12	0	0	12
13	2566.97	212,043	106,905	133	1,319	7	350	350	345	106,900	91,682	12	21	0	13
14	2566.66	209,924	105,837	90	1,305	7	334	334	338	105,836	90,618	8	16	0	14
15	2566.35	207,817	104,774	109	1,277	7	330	330	329	104,772	89,554	10	33	0	15
16	2566.04	205,724	103,719	109	1,261	7	322	322	329	103,724	88,506	10	40	0	16
17	2565.74	203,711	102,704	91	1,252	7	335	335	313	102,687	87,469	9	49	0	17
18	2565.43	201,643	101,662	58	1,259	7	282	282	315	101,678	86,460	6	65	0	18
19	2565.11	199,521	100,592	111	1,281	7	329	329	317	100,596	85,378	11	68	0	19
20	2564.80	197,478	99,562	108	1,255	7	340	340	325	99,551	84,333	11	87	0	20
21	2564.50	195,516	98,573	95	1,192	7	305	305	324	98,581	83,363	9	71	0	21
22	2564.22	193,693	97,654	86	1,154	7	328	328	312	97,646	82,428	9	58	0	22
23	2563.95	191,946	96,773	106	1,071	7	303	303	290	96,752	81,534	11	39	0	23
24	2563.67	190,144	95,864	110	1,032	7	240	240	260	95,863	80,645	11	41	0	24
25	2563.38	188,289	94,929	95	1,069	7	236	236	244	94,936	79,718	10	45	0	25
26	2563.08	186,381	93,967	109	1,102	7	256	256	246	93,964	78,746	11	59	0	26
27	2562.79	184,549	93,044	112	1,050	7	246	246	244	93,039	77,821	12	34	0	27
28	2562.48	182,604	92,063	111	1,094	6	230	230	237	92,065	76,847	12	69	0	28
29	2562.16	180,609	91,057	95	1,141	7	237	237	232	91,054	75,836	10	166	0	29
30	2561.84	178,627	90,058	120	1,100	7	228	228	231	90,058	74,840	13	184	0	30
31	2561.52	176,658	89,065	93	1,135	7	242	242	242	89,065	73,847	10	191	0	31
TOTAL SECOND FOOT DAYS				3,445	37,901	214	10,622	10,622	10,622	89,065	73,847	320	1,850	0	
TOTAL ACRE-FEET				6,833	75,175	425	21,068	21,068	21,068	176,658	146,474	635	3,670	0	

By: *[Signature]*

Date: AUGUST 15, 1994

Quantities in S.F.D. except where noted

JULY 1984

REPORT OF THE KERN RIVER WATERMASTER

HACIENDA WATER DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

NORTH KERN WATER STORAGE DISTRICT

DAY	PREVIOUS DAY	ENTL AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE FIRST POINT				ENTL AT 2ND POINT	FLOW				FLOW ABOVE FIRST POINT		ENTITLEMENT		RESERVOIR STORAGE	LOSS	STORAGE	DAY																																							
				LAKE	GLEN	VALLEY	KERN		VIA	KDWD	VIA	CITY	FOR	FOR	FOR	FOR					WD	OLCESE	NRWSD	BYWSD																																			
1	480	920	2	0	1	75	64,327	84	106	195	34	0	35	4	45	40,458	0	0	1																																								
2	469	1,092	2	0	0	90	63,612	79	114	0	36	0	42	4	54	40,287	0	0	2																																								
3	433	1,104	2	0	1	75	62,863	62	117	0	35	0	47	4	45	40,101	0	0	3																																								
4	395	1,105	2	0	1	79	61,299	44	98	0	30	0	63	4	49	39,884	0	0	4																																								
5	384	1,075	2	0	1	82	60,523	39	95	0	38	0	36	4	50	39,500	0	0	5																																								
6	386	1,043	2	0	0	72	59,792	40	95	0	49	0	42	5	45	39,304	0	0	6																																								
7	384	1,071	2	0	1	68	59,034	39	96	0	51	0	54	4	42	39,096	0	0	7																																								
8	385	1,132	2	0	0	63	58,222	40	87	0	48	0	57	5	40	38,899	0	0	8																																								
9	379	1,181	2	0	1	77	57,340	37	83	0	45	0	44	4	48	38,712	0	0	9																																								
10	357	1,177	2	0	0	85	56,433	27	83	0	46	0	35	4	55	38,516	0	0	10																																								
11	342	1,152	2	0	1	67	55,553	19	81	0	49	0	30	4	43	38,328	0	0	11																																								
12	332	1,142	2	0	0	80	54,661	15	100	0	51	0	0	5	52	38,135	0	0	12																																								
13	331	1,155	2	0	1	80	53,754	14	92	0	51	0	21	4	53	37,928	0	0	13																																								
14	326	1,120	2	0	0	54	52,904	12	118	0	51	0	16	5	36	37,714	0	0	14																																								
15	320	1,048	2	0	1	65	52,108	9	149	0	47	0	33	4	44	37,446	0	0	15																																								
16	320	1,007	2	1	0	65	51,353	9	94	69	49	2	40	4	44	37,153	0	0	16																																								
17	309	812	2	0	1	54	50,793	4	82	166	48	95	49	4	37	36,676	0	0	17																																								
18	310	798	2	0	0	35	50,268	5	90	168	47	91	65	5	23	36,192	0	0	18																																								
19	312	829	2	0	1	66	49,682	5	82	169	45	88	68	4	45	35,696	0	0	19																																								
20	317	783	2	0	0	65	49,149	8	72	186	45	82	87	5	43	35,184	0	0	20																																								
21	316	775	2	0	1	57	48,630	8	34	188	43	81	71	4	38	34,733	0	0	21																																								
22	308	772	3	0	0	52	48,111	4	28	174	43	79	58	4	34	34,317	0	0	22																																								
23	290	715	2	0	1	64	47,619	0	18	169	42	88	39	4	42	33,915	0	0	23																																								
24	260	699	2	0	0	66	47,112	0	15	153	41	83	41	5	44	33,533	0	0	24																																								
25	244	695	2	0	1	57	46,601	0	36	169	41	83	45	4	38	33,117	0	0	25																																								
26	246	711	3	0	0	66	46,067	0	29	173	36	94	59	4	43	32,679	0	0	26																																								
27	244	706	2	0	1	68	45,534	0	35	151	35	89	34	4	44	32,287	0	0	27																																								
28	237	733	2	0	0	67	44,969	0	34	133	35	90	69	4	44	31,878	0	0	28																																								
29	232	713	2	0	1	57	44,428	0	30	111	35	86	166	4	38	31,408	0	0	29																																								
30	231	672	2	0	0	72	43,913	0	22	105	35	82	184	5	48	30,927	0	0	30																																								
31	242	679	2	0	1	56	43,417	0	17	136	36	76	191	4	37	30,430	0	0	31																																								
S.F.D.	10,051	28,787	64	1	16	2,093	43,417	571	2,236	2,420	1,319	1,289	1,850	133	1,352	30,430	0	0	S.F.D.																																								
AC.F.T.	19,935	57,098	127	2	32	4,151	86,117	1,133	4,435	4,800	2,616	2,556	3,670	264	2,682	60,357	0	0	AC.F.T.																																								
TOTAL ACRE-FOOT STORAGE DAYS																			3,228,762	TOTAL ACRE-FOOT STORAGE DAYS																			2,228,744	TOTAL ACRE-FOOT STORAGE DAYS																			0

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH DAY(S) PAGE NO. TITLE OF COLUMN

July 16 2 NKWSD FLOW ABOVE FIRST POINT - GLEN GRUNDEIS

July 16 2 BWSD FLOW - FOR IDA

COMMENT

Reflects delivery of BUENA VISTA WATER STORAGE DISTRICT/City of Bakerfield Kern River exchange water under terms of City/Glen Grundeis Water Supply Agreement dated December 19, 1980 and BUENA VISTA WATER STORAGE DISTRICT/City Agreement No. 94-01 W.B. dated January 19, 1994.

Delivered as per terms of BUENA VISTA WATER STORAGE DISTRICT/Improvement District No. 4 exchange agreement dated July 14, 1984.

KERN RIVER NATURAL FLOW

FIRST POINT OF MEASUREMENT

APRIL - JULY

1984 TO DATE

ACRE - FEET

In order of Magnitude

YEAR	APR	MAY	JUN	JUL	TOTAL	% OF AVERAGE	YEAR	APR	MAY	JUN	JUL	TOTAL	% OF AVERAGE
1961	24,137	29,980	24,305	6,952	87,374	19%	1954	101,203	139,719	73,553	39,842	354,117	77%
1962	28,540	41,722	14,069	8,225	92,556	20%	1955	62,047	117,748	132,766	53,635	398,396	79%
1963	23,391	25,630	35,655	10,973	95,649	21%	1956	57,864	86,174	146,124	82,760	372,922	81%
1964	23,440	41,967	24,262	8,493	98,062	21%	1957	46,602	147,001	140,860	51,917	386,180	83%
1965	25,924	47,151	20,930	14,749	107,403	23%	1958	107,403	109,904	128,653	43,436	388,598	84%
1966	32,019	36,600	29,345	13,360	113,344	24%	1959	109,658	155,478	95,880	39,733	380,747	84%
1967	39,919	43,085	21,820	11,341	116,145	25%	1960	74,315	132,097	139,222	53,355	398,989	86%
1968	28,288	45,965	38,531	14,936	127,720	28%	1961	80,223	150,109	115,862	59,187	405,391	86%
1969	40,568	39,945	32,061	18,013	130,565	29%	1962	102,079	184,935	106,112	48,733	419,859	91%
1970	42,248	45,213	32,809	15,033	135,303	29%	1963	91,359	161,613	93,114	77,048	423,132	91%
1971	39,584	43,140	20,969	16,863	120,516	35%	1964	136,241	146,799	99,656	41,395	424,293	92%
1972	58,350	58,350	43,140	20,969	150,809	36%	1965	83,370	158,904	137,640	50,899	430,813	93%
1973	46,272	58,350	47,181	16,663	168,472	36%	1966	86,916	172,324	172,324	77,498	456,068	98%
1974	55,448	74,394	61,521	17,913	207,276	39%	1967	80,943	131,980	163,944	95,288	456,068	99%
1975	42,048	61,521	54,658	23,803	182,828	40%	1968	118,172	137,838	163,944	105,364	478,579	103%
1976	46,489	67,224	56,223	21,068	191,004	41%	1969	69,412	137,838	163,944	105,364	478,579	103%
1977	76,885	60,344	18,716	193,702	350,707	42%	1970	118,172	196,485	145,503	50,471	510,814	110%
1978	28,102	68,295	78,366	24,125	198,868	43%	1971	147,463	135,884	157,253	74,874	515,474	111%
1979	50,517	84,508	57,885	17,201	209,911	45%	1972	100,362	184,721	181,153	75,481	522,717	113%
1980	55,238	73,108	58,146	24,929	211,408	46%	1973	112,586	150,038	178,754	81,529	522,905	113%
1981	42,694	73,581	60,738	34,929	211,922	46%	1974	97,553	159,683	168,878	99,529	525,641	114%
1982	53,133	51,353	79,178	30,046	213,710	46%	1975	114,113	154,742	166,404	94,013	528,432	114%
1983	38,164	85,995	63,487	30,986	213,632	47%	1976	126,329	185,062	187,628	81,275	580,304	121%
1984	65,579	82,336	45,431	23,347	216,693	48%	1977	157,290	219,404	187,902	67,902	581,824	126%
1985	67,557	69,544	86,860	31,014	224,785	48%	1978	83,190	186,446	197,792	114,613	582,041	126%
1986	53,076	67,051	82,824	26,401	232,582	50%	1979	133,993	200,864	182,420	87,414	584,891	126%
1987	91,976	98,598	48,530	21,378	260,482	51%	1980	131,246	205,509	189,002	91,583	597,350	129%
1988	43,976	68,108	78,595	42,472	244,475	53%	1981	84,407	242,259	202,395	88,649	617,710	133%
1989	68,635	71,649	82,707	42,472	244,475	53%	1982	173,393	281,639	137,393	81,837	654,262	141%
1990	67,051	82,824	26,401	232,582	50%	1983	197,720	199,950	183,995	97,083	678,748	147%	
1991	68,108	82,707	42,472	244,475	53%	1984	144,834	210,076	201,064	128,338	685,012	148%	
1992	110,325	110,325	100,925	33,170	254,745	54%	1985	162,071	268,035	172,890	91,133	694,729	150%
1993	77,246	81,614	65,817	25,630	250,681	55%	1986	138,113	184,485	222,076	158,498	701,168	152%
1994	89,320	78,416	60,305	41,851	280,894	56%	1987	198,758	254,785	255,650	88,011	789,904	172%
1995	78,320	85,039	88,990	36,941	289,290	57%	1988	110,892	288,952	230,390	83,834	723,768	158%
1996	82,434	82,434	58,400	25,460	248,728	57%	1989	168,105	316,974	230,868	130,098	784,784	172%
1997	82,434	82,434	58,400	25,460	248,728	57%	1990	168,105	316,974	230,868	130,098	784,784	172%
1998	82,434	82,434	58,400	25,460	248,728	57%	1991	168,105	316,974	230,868	130,098	784,784	172%
1999	82,434	82,434	58,400	25,460	248,728	57%	1992	168,105	316,974	230,868	130,098	784,784	172%
2000	82,434	82,434	58,400	25,460	248,728	57%	1993	168,105	316,974	230,868	130,098	784,784	172%
2001	82,434	82,434	58,400	25,460	248,728	57%	1994	168,105	316,974	230,868	130,098	784,784	172%
2002	82,434	82,434	58,400	25,460	248,728	57%	1995	168,105	316,974	230,868	130,098	784,784	172%
2003	82,434	82,434	58,400	25,460	248,728	57%	1996	168,105	316,974	230,868	130,098	784,784	172%
2004	82,434	82,434	58,400	25,460	248,728	57%	1997	168,105	316,974	230,868	130,098	784,784	172%
2005	82,434	82,434	58,400	25,460	248,728	57%	1998	168,105	316,974	230,868	130,098	784,784	172%
2006	82,434	82,434	58,400	25,460	248,728	57%	1999	168,105	316,974	230,868	130,098	784,784	172%
2007	82,434	82,434	58,400	25,460	248,728	57%	2000	168,105	316,974	230,868	130,098	784,784	172%
2008	82,434	82,434	58,400	25,460	248,728	57%	2001	168,105	316,974	230,868	130,098	784,784	172%
2009	82,434	82,434	58,400	25,460	248,728	57%	2002	168,105	316,974	230,868	130,098	784,784	172%
2010	82,434	82,434	58,400	25,460	248,728	57%	2003	168,105	316,974	230,868	130,098	784,784	172%
2011	82,434	82,434	58,400	25,460	248,728	57%	2004	168,105	316,974	230,868	130,098	784,784	172%
2012	82,434	82,434	58,400	25,460	248,728	57%	2005	168,105	316,974	230,868	130,098	784,784	172%
2013	82,434	82,434	58,400	25,460	248,728	57%	2006	168,105	316,974	230,868	130,098	784,784	172%
2014	82,434	82,434	58,400	25,460	248,728	57%	2007	168,105	316,974	230,868	130,098	784,784	172%
2015	82,434	82,434	58,400	25,460	248,728	57%	2008	168,105	316,974	230,868	130,098	784,784	172%
2016	82,434	82,434	58,400	25,460	248,728	57%	2009	168,105	316,974	230,868	130,098	784,784	172%
2017	82,434	82,434	58,400	25,460	248,728	57%	2010	168,105	316,974	230,868	130,098	784,784	172%
2018	82,434	82,434	58,400	25,460	248,728	57%	2011	168,105	316,974	230,868	130,098	784,784	172%
2019	82,434	82,434	58,400	25,460	248,728	57%	2012	168,105	316,974	230,868	130,098	784,784	172%
2020	82,434	82,434	58,400	25,460	248,728	57%	2013	168,105	316,974	230,868	130,098	784,784	172%
2021	82,434	82,434	58,400	25,460	248,728	57%	2014	168,105	316,974	230,868	130,098	784,784	172%
2022	82,434	82,434	58,400	25,460	248,728	57%	2015	168,105	316,974	230,868	130,098	784,784	172%
2023	82,434	82,434	58,400	25,460	248,728	57%	2016	168,105	316,974	230,868	130,098	784,784	172%
2024	82,434	82,434	58,400	25,460	248,728	57%	2017	168,105	316,974	230,868	130,098	784,784	172%
2025	82,434	82,434	58,400	25,460	248,728	57%	2018	168,105	316,974	230,868	130,098	784,784	172%
2026	82,434	82,434	58,400	25,460	248,728	57%	2019	168,105	316,974	230,868	130,098	784,784	172%
2027	82,434	82,434	58,400	25,460	248,728	57%	2020	168,105	316,974	230,868	130,098	784,784	172%
2028	82,434	82,434	58,400	25,460	248,728	57%	2021	168,105	316,974	230,868	130,098	784,784	172%
2029	82,434	82,434	58,400	25,460	248,728	57%	2022	168,105	316,974	230,868	130,098	784,784	172%
2030	82,434	82,434	58,400	25,460	248,728	57%	2023	168,105	316,974	230,868	130,098	784,784	172%
2031	82,434	82,434	58,400	25,460	248,728	57%	2024	168,105	316,974	230,868	130,098	784,784	172%
2032	82,434	82,434	58,400	25,460	248,728	57%	2025	168,105	316,974	230,868	130,098	784,784	172%
2033	82,434	82,434	58,400	25,460	248,728	57%	2026	168,105	316,974	230,868	130,098	784,784	172%
2034	82,434	82,434	58,400	25,460	248,728	57%	2027	168,105	316,974	230,868	130,098	784,784	172%
2035	82,434	82,434	58,400	25,460	248,728	57%	2028	168,					

DAY	ELEVATION (FEET)	ISABELLA MIDNIGHT STORAGE ACRE-FEET	RESERVOIR S.F.D.	LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	CHANGE IN STORAGE+LOSS +1ST POINT +FLOW ABOVE	COMPUTED 1ST POINT NATURAL FLOW	MEAN Recreation Pool + Dead Storage = 15,218 S.F.D. (90,184 ACFT) TOTAL	STORAGE IRRIGATION	KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	FRIANT-KERN INFLOW	DAY
Previous Day	2561.52	176,658	89,065	93	1,135	7	242	242	89,065	73,847	10	191	0	0
1	2561.18	174,583	88,019	107	1,179	6	246	234	88,007	72,789	12	190	0	1
2	2560.82	172,402	86,919	98	1,204	7	209	226	86,924	71,706	11	198	0	2
3	2560.46	170,238	85,828	109	1,200	7	225	219	85,827	70,609	13	210	0	3
4	2560.11	168,151	84,776	108	1,161	7	224	222	84,773	69,555	13	219	0	4
5	2559.77	166,138	83,761	93	1,132	6	216	225	83,767	68,549	11	216	0	5
6	2559.43	164,143	82,755	109	1,125	7	235	229	82,755	67,537	14	218	0	6
7	2559.08	162,103	81,727	100	1,158	6	236	233	81,724	66,506	13	234	0	7
8	2558.72	160,024	80,679	101	1,167	7	227	229	80,678	65,460	13	241	0	8
9	2558.36	157,960	79,638	71	1,186	7	223	226	79,640	64,422	9	219	0	9
10	2558.00	155,915	78,607	70	1,183	7	229	231	78,611	63,393	9	226	0	10
11	2557.64	153,886	77,584	100	1,157	6	240	235	77,583	62,365	13	226	0	11
12	2557.30	151,985	76,626	98	1,089	7	236	237	76,626	61,408	13	235	0	12
13	2557.00	150,322	75,787	95	972	6	234	233	75,776	60,558	13	224	0	13
14	2556.69	148,615	74,927	106	947	7	200	212	74,928	59,710	15	195	0	14
15	2556.36	146,812	74,018	122	981	7	201	196	74,014	58,796	17	182	0	15
16	2556.04	145,077	73,143	86	970	7	188	192	73,143	57,925	12	200	0	16
17	2555.73	143,410	72,303	78	942	6	186	193	72,310	57,092	11	212	0	17
18	2555.45	141,915	71,549	97	856	7	206	194	71,544	56,326	14	66	0	18
19	2555.21	140,642	70,907	100	725	6	189	197	70,910	55,692	15	0	0	19
20	2555.00	139,534	70,348	87	663	7	198	185	70,338	55,120	13	0	0	20
21	2554.81	138,535	69,845	88	577	7	169	173	69,839	54,621	13	0	0	21
22	2554.62	137,543	69,345	88	557	7	152	158	69,345	54,127	14	0	0	22
23	2554.42	136,503	68,820	75	597	6	153	148	68,815	53,597	12	0	0	23
24	2554.19	135,314	68,221	73	659	7	140	151	68,227	53,009	11	0	0	24
25	2553.97	134,183	67,651	85	640	6	161	153	67,649	52,431	13	0	0	25
26	2553.76	133,108	67,109	84	608	7	157	152	67,102	51,884	13	0	0	26
27	2553.58	132,192	66,647	82	510	7	137	149	66,652	51,434	13	0	0	27
28	2553.43	131,432	66,264	83	446	7	153	144	66,260	51,042	13	0	0	28
29	2553.27	130,624	65,856	80	463	6	141	149	65,860	50,642	13	0	0	29
30	2553.12	129,870	65,476	74	452	6	152	148	65,476	50,258	12	0	0	30
31	2552.97	129,120	65,098	69	459	6	156	156	65,098	49,880	11	0	0	31
TOTAL		SECOND FOOT DAYS	2,816	5,585	26,965	205	6,019	6,019	65,098	49,880	392	3,711	0	0
TOTAL		ACRE-FEET	5,585	11,939	53,484	407	11,939	11,939	129,120	98,936	778	7,360	0	0

By: *God* Date: SEPTEMBER 12, 1994

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	ENTL AT 1ST POINT	FLOW AT 1ST	FLOW ABOVE FIRST POINT				FLOW				ENT'L				FLOW ABOVE FIRST POINT				ENTITLEMENT									
			LAKE	OLCESE	VALLEY	KERN	VIA	KWD	VIA	CWD	CITY	FOR	FOR	FOR	AT 2ND POINT	AT 2ND POINT	WD	OLCESE	RESERVOIR LOSS	RESERVOIR STORAGE	Contributed by:	RESERVOIR LOSS	RESERVOIR STORAGE	DAY				
1	242	679	2	0	1	56	43,417	0	17	136	36	76	191	4	4	37	30,430	0	0	0	0	0	0	1				
2	234	825	2	0	0	65	42,759	0	43	0	43	78	190	4	4	42	30,030	0	0	0	0	0	0	2				
3	226	857	2	0	1	59	42,066	0	29	0	46	74	198	4	4	39	29,640	0	0	0	0	0	0	3				
4	219	827	2	0	0	66	41,390	0	41	0	47	75	210	5	4	43	29,219	0	0	0	0	0	0	4				
5	222	794	2	0	1	65	40,750	0	19	0	47	82	219	4	4	43	28,805	0	0	0	0	0	0	5				
6	225	787	2	0	0	56	40,130	0	19	0	27	83	216	4	4	37	28,419	0	0	0	0	0	0	6				
7	229	811	2	0	1	66	39,479	0	10	0	0	86	218	4	4	43	28,058	0	0	0	0	0	0	7				
8	233	817	2	0	0	61	38,832	0	17	3	0	87	234	4	4	39	27,674	0	0	0	0	0	0	8				
9	229	641	2	0	1	61	38,457	0	25	180	0	80	241	4	4	40	27,003	0	0	0	0	0	0	9				
10	226	702	2	0	0	43	37,936	0	30	155	0	80	219	5	4	28	26,486	0	0	0	0	0	0	10				
11	231	702	2	0	1	43	37,419	0	29	147	0	79	226	4	4	27	25,974	0	0	0	0	0	0	11				
12	235	687	2	0	0	61	36,904	0	33	130	0	81	226	4	4	39	25,461	0	0	0	0	0	0	12				
13	237	587	2	0	1	60	36,491	0	29	159	0	79	235	4	4	38	24,917	0	0	0	0	0	0	13				
14	223	497	2	0	0	58	36,157	0	25	153	0	73	224	4	4	37	24,401	0	0	0	0	0	0	14				
15	212	506	2	0	1	66	35,794	0	18	154	0	74	195	4	4	40	23,916	0	0	0	0	0	0	15				
16	196	521	2	0	0	76	35,391	0	35	161	0	82	182	5	4	46	23,405	0	0	0	0	0	0	16				
17	192	442	2	0	1	54	35,084	0	86	159	0	83	200	4	4	32	22,841	0	0	0	0	0	0	17				
18	193	379	2	0	0	49	34,847	0	100	163	0	88	212	4	4	29	22,245	0	0	0	0	0	0	18				
19	194	433	2	0	1	61	34,544	0	96	164	0	97	66	4	4	36	21,782	0	0	0	0	0	0	19				
20	197	434	2	0	0	63	34,242	0	70	149	0	72	0	4	4	37	21,450	0	0	0	0	0	0	20				
21	185	384	2	0	1	55	33,985	0	64	138	0	77	0	4	4	32	21,135	0	0	0	0	0	0	21				
22	173	336	2	0	0	56	33,764	0	49	137	0	55	0	5	4	32	20,857	0	0	0	0	0	0	22				
23	158	307	2	0	1	56	33,556	0	57	141	0	52	0	4	4	32	20,571	0	0	0	0	0	0	23				
24	148	299	2	0	0	48	33,355	0	65	155	0	78	0	4	4	27	20,242	0	0	0	0	0	0	24				
25	151	340	2	0	1	47	33,116	0	56	160	0	103	0	4	4	26	19,893	0	0	0	0	0	0	25				
26	153	338	2	0	0	55	32,874	0	39	170	0	93	0	4	4	30	19,557	0	0	0	0	0	0	26				
27	152	338	2	0	1	54	32,631	0	23	164	0	83	0	4	4	30	19,253	0	0	0	0	0	0	27				
28	149	255	2	0	0	53	32,470	0	17	162	0	76	0	5	4	29	18,964	0	0	0	0	0	0	28				
29	144	208	2	0	1	54	32,349	0	19	153	0	66	0	4	4	29	18,693	0	0	0	0	0	0	29				
30	149	214	2	0	0	52	32,230	0	28	161	0	60	0	4	4	28	18,412	0	0	0	0	0	0	30				
31	148	220	1	0	1	48	32,108	0	34	123	0	75	0	4	4	26	18,150	0	0	0	0	0	0	31				
S.F.D.	6,019	15,713	61	0	15	1,756	31,992	0	1,238	3,672	210	2,421	3,711	129	1,060	17,888												
AC.FT.	11,939	31,166	121	0	31	3,483	63,456	0	2,455	7,284	417	4,802	7,360	255	2,102	35,480												
TOTAL ACRE-FOOT STORAGE DAYS													2,207,805				1,438,692				TOTAL ACRE-FOOT STORAGE DAYS				0			

REPORT OF THE KERN RIVER WATERMASTER

AUGUST 1994

PAGE 5 of 5

WATERMASTER NOTES * KERN RIVER BULLETIN**

MONTH August DAY(S) 8 PAGE NO. 2 TITLE OF COLUMN

BWSD - RESERVOIR STORAGE
 NKWSD - RESERVOIR STORAGE

COMMENT

Reflects transfer of 200 acre-feet (101 s.f.d.) from BUENA VISTA WATER STORAGE DISTRICT to NORTH KERN WATER STORAGE DISTRICT (City of Bakersfield) pursuant to terms of BVWSD/ City of Bakersfield Agreement No. 94-01 W.B. dated January 19, 1994.

**1994 APRIL-JULY UNIMPAIRED RUNOFF
 Central Valley Streams**

April-July Flows
 in 1000 Acre-feet

Watershed	(1) 50-Year Average	Forecast as of				(2) 1994 Actual	% of Average
		Feb. 1	Mar. 1	Apr. 1	May 1		
Sacramento River above Bend Bridge	2,491	1,730	1,800	1,440	1,250	1,185	48%
Feather River at Oroville Reservoir	1,857	1,070	1,280	880	750	691	37%
Yuba River at Smartville	1,047	660	770	520	450	415	40%
American River at Folsom Reservoir	1,284	680	820	550	470	420	33%
Cosumnes River at Michigan Bar	129	50	60	35	25	25	19%
Mokelumne River at Pardee Reservoir	465	260	300	200	210	190	41%
Stanislaus River at Melones Reservoir	713	370	450	320	330	311	44%
Tuolumne River at Don Pedro Reservoir	1,200	650	750	570	580	622	52%
Merced River at Exchequer Reservoir	617	340	390	290	300	270	44%
San Joaquin River at Millerton Lake	1,228	690	780	620	620	602	49%
Kings River at Pine Flat Reservoir	1,203	640	790	640	670	652	54%
Kaweah River at Terminus Reservoir	284	150	190	135	135	132	46%
Tule River at Success Reservoir	63	20	30	20	18	20	33%
KERN RIVER AT ISABELLA RESERVOIR	461	200	260	205	205	192	42%

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

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

REPORT OF THE KERN RIVER WATERMASTER

SEPTEMBER 1994

Quantities in S.F.D. except where noted

DAY	ISABELLA		RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	CHANGE IN		COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	STORAGE IRRIGATION	KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	PRIANT-- KERN INFLOW	DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-Feet	S.F.D.	STORAGE+LOSS +FLOW ABOVE 1ST POINT				STORAGE+LOSS +FLOW ABOVE 1ST POINT								
Previous Day	2552.97	129,120	65,098	69	459	6	156	156	156	156	65,098	49,880	11	0	0	0
1	2552.82	128,371	64,720	77	444	5	148	148	146	146	64,718	49,500	13	0	0	1
2	2552.67	127,626	64,345	73	438	5	141	141	139	139	64,341	49,123	12	0	0	2
3	2552.52	126,883	63,970	77	421	6	129	129	134	134	63,971	48,753	13	0	0	3
4	2552.38	126,193	63,622	67	409	5	133	133	133	133	63,623	48,405	11	0	0	4
5	2552.24	125,506	63,276	71	406	5	136	136	142	142	63,283	48,065	12	0	0	5
6	2552.11	124,869	62,955	67	405	5	156	156	144	144	62,950	47,732	12	0	0	6
7	2551.99	124,284	62,660	77	352	5	139	139	144	144	62,660	47,442	13	0	0	7
8	2551.87	123,700	62,365	88	338	5	136	136	132	132	62,361	47,143	15	0	0	8
9	2551.74	123,071	62,048	77	356	5	121	121	128	128	62,051	46,833	14	0	0	9
10	2551.64	122,587	61,804	61	306	5	128	128	124	124	61,803	46,585	11	0	0	10
11	2551.55	122,153	61,586	57	278	5	122	122	122	122	61,585	46,367	10	0	0	11
12	2551.47	121,769	61,392	62	243	6	117	117	121	121	61,395	46,177	11	0	0	12
13	2551.40	121,432	61,222	53	236	5	124	124	128	128	61,229	46,011	9	0	0	13
14	2551.32	121,145	61,077	51	232	5	143	143	143	143	61,084	45,866	9	0	0	14
15	2551.28	120,857	60,932	53	248	5	161	161	154	154	60,932	45,714	9	0	0	15
16	2551.24	120,667	60,836	44	204	5	157	157	157	157	60,836	45,618	8	0	0	16
17	2551.20	120,476	60,740	51	193	5	153	153	157	157	60,744	45,526	9	0	0	17
18	2551.16	120,285	60,644	52	199	5	160	160	154	154	60,642	45,424	9	0	0	18
19	2551.11	120,047	60,524	62	203	5	150	150	156	156	60,528	45,310	11	0	0	19
20	2551.05	119,761	60,380	47	251	5	159	159	152	152	60,377	45,159	9	0	0	20
21	2550.98	119,430	60,213	67	243	5	148	148	147	147	60,209	44,991	12	0	0	21
22	2550.92	119,145	60,069	50	223	5	134	134	148	148	60,079	44,861	9	0	0	22
23	2550.88	118,956	59,974	43	210	5	163	163	148	148	59,969	44,751	8	0	0	23
24	2550.84	118,767	59,878	49	190	5	148	148	153	153	59,878	44,660	9	0	0	24
25	2550.81	118,625	59,807	47	166	5	147	147	144	144	59,804	44,586	9	0	0	25
26	2550.78	118,483	59,735	48	156	5	137	137	145	145	59,740	44,522	9	0	0	26
27	2550.76	118,389	59,688	43	149	5	150	150	143	143	59,686	44,468	8	0	0	27
28	2550.72	118,201	59,593	40	192	5	142	142	144	144	59,593	44,375	7	0	0	28
29	2550.69	118,060	59,522	38	196	5	168	168	168	168	59,522	44,304	7	0	0	29
30	2550.74	118,296	59,641	38	216	5	378	378	378	378	59,641	44,423	7	0	0	30
TOTAL SECOND FOOT DAYS					1,730	8,103	152	4,528	4,528	4,528	59,641	44,423	305	0	0	0
TOTAL ACRE-Feet					3,431	16,072	302	8,981	8,981	8,981	118,296	88,112	605	0	0	0

By: *gal* Date: OCTOBER 11, 1994

WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH September

DAY(S)

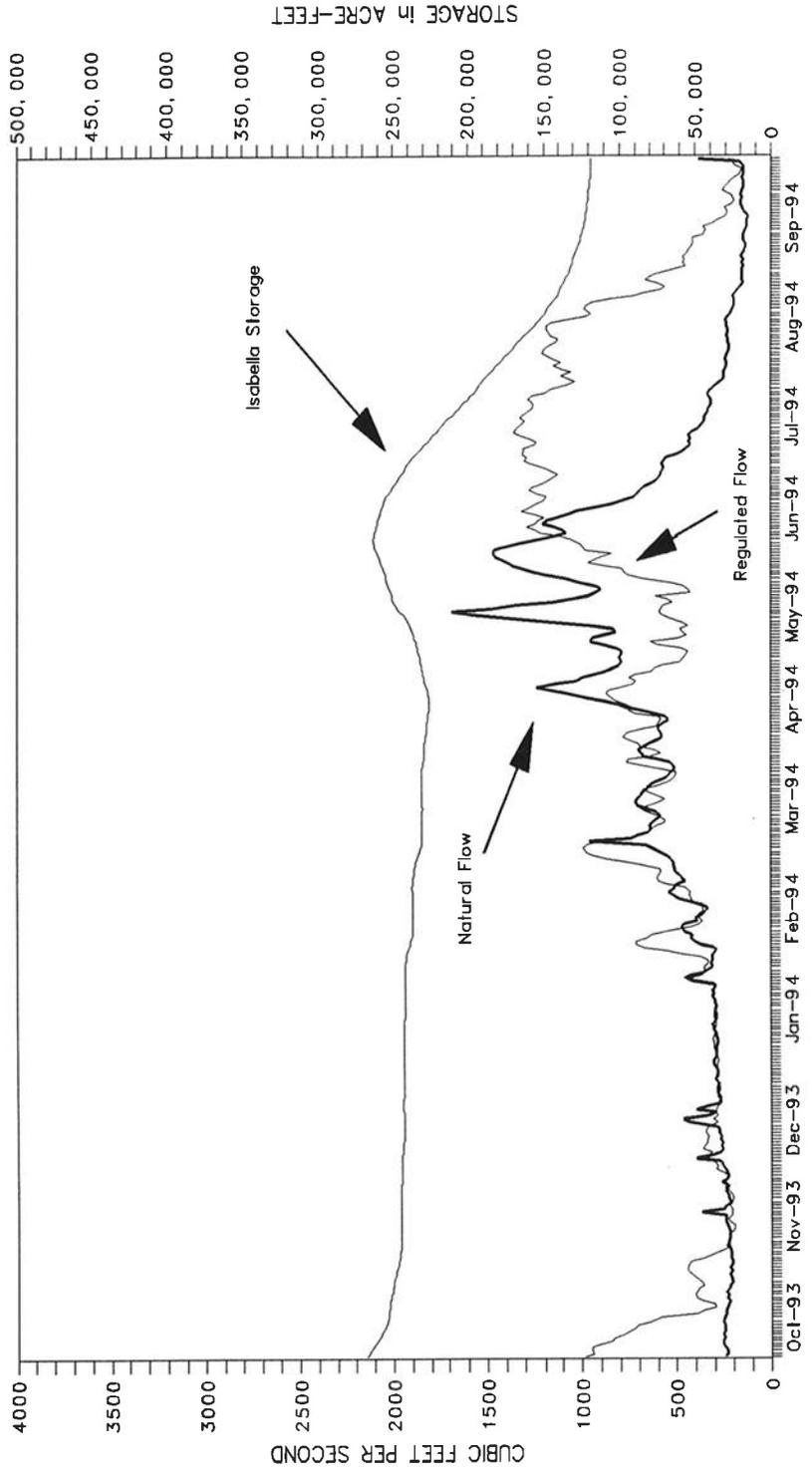
PAGE NO.

TITLE OF COLUMN

COMMENT

None

KERN RIVER NATURAL FLOW, REGULATED FLOW, & ISABELLA RESERVOIR STORAGE
1993-1994 WATER YEAR



REPORT OF THE KERN RIVER WATERMASTER

OCTOBER 1994

Quantities in S.F.D. except where noted

DAY	ELEVATION (FEET)	ISABELLA		RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST POINT	STORAGE + LOSS + FLOW ABOVE 1ST POINT	COMPUTED		MEAN	STORAGE		KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	PRIANT-KERN INFLOW	DAY
		ACRE-FEET	S.F.D.	MIDNIGHT STORAGE	S.F.D.					1ST POINT NATURAL FLOW	1ST POINT FLOW		Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	IRRIGATION				
Previous Day	2550.74	118,296	59,641	38	216	5	378	378	378	310	310	59,641	44,423	7	0	0	0	1
1	2550.77	118,436	59,712	39	196	4	310	310	310	310	310	59,712	44,494	7	0	0	0	2
2	2550.76	118,389	59,688	57	232	4	269	269	269	259	259	59,678	44,460	10	0	0	0	3
3	2550.74	118,296	59,641	59	223	4	239	239	239	256	256	59,648	44,430	11	0	0	0	4
4	2550.74	118,296	59,641	31	227	3	261	261	261	275	275	59,662	44,444	6	0	0	0	5
5	2550.76	118,389	59,688	37	237	4	325	325	325	298	298	59,682	44,464	7	0	0	0	6
6	2550.78	118,483	59,735	28	230	3	308	308	308	315	315	59,736	44,518	5	0	0	0	7
7	2550.80	118,578	59,783	32	228	4	312	312	312	315	315	59,787	44,569	6	0	0	0	8
8	2550.82	118,672	59,830	52	223	3	325	325	325	319	319	59,828	44,610	10	0	0	0	9
9	2550.84	118,767	59,878	46	221	4	319	319	319	300	300	59,857	44,639	8	0	0	0	10
10	2550.84	118,767	59,878	39	215	3	257	257	257	278	278	59,878	44,660	7	0	0	0	11
11	2550.83	118,720	59,855	56	223	4	260	260	260	255	255	59,850	44,632	10	0	0	0	12
12	2550.82	118,672	59,830	44	227	3	249	249	249	241	241	59,817	44,599	8	0	0	0	13
13	2550.80	118,578	59,783	39	220	3	215	215	215	221	221	59,776	44,558	7	0	0	0	14
14	2550.78	118,483	59,735	30	213	4	199	199	199	209	209	59,738	44,520	6	0	0	0	15
15	2550.76	118,389	59,688	33	223	4	213	213	213	215	215	59,693	44,475	6	0	0	0	16
16	2550.75	118,343	59,665	30	222	3	232	232	232	227	227	59,665	44,447	6	0	0	0	17
17	2550.74	118,296	59,641	35	222	3	236	236	236	226	226	59,631	44,413	6	0	0	0	18
18	2550.72	118,201	59,593	39	217	3	211	211	211	229	229	59,601	44,383	7	0	0	0	19
19	2550.71	118,154	59,569	30	231	4	241	241	241	220	220	59,556	44,338	6	0	0	0	20
20	2550.69	118,060	59,522	20	230	4	207	207	207	218	218	59,520	44,302	4	0	0	0	21
21	2550.67	117,966	59,475	22	227	3	205	205	205	206	206	59,474	44,256	4	0	0	0	22
22	2550.65	117,872	59,427	30	220	3	205	205	205	209	209	59,430	44,212	6	0	0	0	23
23	2550.63	117,778	59,380	39	221	4	217	217	217	211	211	59,377	44,159	7	0	0	0	24
24	2550.61	117,684	59,332	37	220	3	212	212	212	215	215	59,332	44,114	7	0	0	0	25
25	2550.59	117,590	59,285	37	222	3	215	215	215	207	207	59,277	44,059	7	0	0	0	26
26	2550.56	117,449	59,214	28	233	4	194	194	194	212	212	59,224	44,006	5	0	0	0	27
27	2550.54	117,355	59,167	39	231	3	226	226	226	200	200	59,151	43,933	7	0	0	0	28
28	2550.51	117,215	59,096	29	219	3	180	180	180	199	199	59,099	43,881	5	0	0	0	29
29	2550.48	117,075	59,025	31	226	4	190	190	190	192	192	59,030	43,812	6	0	0	0	30
30	2550.46	116,982	58,978	21	228	3	205	205	205	200	200	58,978	43,760	4	0	0	0	31
31	2550.44	116,888	58,931	31	223	3	210	210	210	210	210	58,931	43,713	6	0	0	0	31
TOTAL SECOND FOOT DAYS		1,120	6,930	107	7,447	107	7,447	7,447	7,447	7,447	7,447	58,931	43,713	207	0	0	0	0
TOTAL ACRE-FEET		2,221	13,745	212	14,771	212	14,771	14,771	14,771	14,771	14,771	116,888	86,704	411	0	0	0	0

By:  Date: NOVEMBER 14, 1994

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	POINT	FLOW ABOVE FIRST POINT				ENTL AT 1ST	RESERVOIR STORAGE	LOSS	FLOW				ENTL AT 1ST	RESERVOIR STORAGE	LOSS	ENTITLEMENT Contributed by:	RESERVOIR STORAGE	LOSS	DAY																																		
		LAKE	OLCESE VALLEY	WD	COURSE				VIA KDW	VIA CWD	VIA AT 2ND	2800 ACRE								WELL EXCH.	CARMEL	OLCESE WD	RESERVOIR STORAGE	LOSS	RESERVOIR STORAGE	LOSS	RESERVOIR STORAGE	LOSS																									
Previous Day	378	197	2	0	0	0	27	30,552	0	0	0	0	0	0	0	0	11	13,871	0	0																																	
1	310	177	1	0	1	27	30,656	0	0	19	0	0	2	0	0	12	13,838	0	0	1																																	
2	259	214	1	0	0	40	30,660	0	0	18	0	0	3	0	0	17	13,800	0	0	2																																	
3	256	204	2	0	0	41	30,669	0	0	19	0	0	2	0	0	18	13,761	0	0	3																																	
4	275	206	1	0	0	22	30,715	0	0	21	0	0	2	0	0	9	13,729	0	0	4																																	
5	298	233	1	0	1	26	30,752	0	0	4	0	0	2	0	0	11	13,712	0	0	5																																	
6	315	228	1	0	0	20	30,818	0	0	2	0	0	2	0	0	8	13,700	0	0	6																																	
7	315	228	2	0	0	22	30,881	0	0	0	0	0	2	0	0	10	13,688	0	0	7																																	
8	319	223	1	0	0	37	30,939	0	0	0	0	0	2	0	0	15	13,671	0	0	8																																	
9	300	221	1	0	0	32	30,985	0	0	0	0	0	3	0	0	14	13,654	0	0	9																																	
10	278	215	1	0	0	27	31,020	0	0	0	0	0	2	0	0	12	13,640	0	0	10																																	
11	255	223	1	0	1	39	31,011	0	0	0	0	0	2	0	0	17	13,621	0	0	11																																	
12	241	227	1	0	0	31	30,993	0	0	0	0	0	2	0	0	13	13,606	0	0	12																																	
13	221	220	1	0	0	27	30,966	0	0	0	0	0	2	0	0	12	13,592	0	0	13																																	
14	209	213	1	0	0	21	30,940	0	0	0	0	0	3	0	0	9	13,580	0	0	14																																	
15	215	223	1	0	1	23	30,907	0	0	0	0	0	2	0	0	10	13,568	0	0	15																																	
16	227	222	1	0	0	21	30,890	0	0	0	0	0	2	0	0	9	13,557	0	0	16																																	
17	226	222	1	0	0	25	30,868	0	0	0	0	0	2	0	0	10	13,545	0	0	17																																	
18	229	217	1	0	0	27	30,852	0	0	0	0	0	2	0	0	12	13,531	0	0	18																																	
19	220	230	1	0	1	21	30,819	0	0	1	0	0	2	0	0	9	13,519	0	0	19																																	
20	218	230	1	0	0	14	30,792	0	0	0	0	0	3	0	0	6	13,510	0	0	20																																	
21	206	227	1	0	0	16	30,754	0	0	0	0	0	2	0	0	6	13,502	0	0	21																																	
22	209	220	1	0	0	21	30,721	0	0	0	0	0	2	0	0	9	13,491	0	0	22																																	
23	211	221	1	0	1	27	30,682	0	0	0	0	0	0	2	0	12	13,477	0	0	23																																	
24	215	220	1	0	0	26	30,650	0	0	0	0	0	0	2	0	11	13,464	0	0	24																																	
25	207	222	1	0	0	26	30,608	0	0	0	0	0	0	2	0	11	13,451	0	0	25																																	
26	212	233	1	0	0	20	30,566	0	0	0	0	0	0	3	0	8	13,440	0	0	26																																	
27	200	231	1	0	0	27	30,507	0	0	0	0	0	0	2	0	12	13,426	0	0	27																																	
28	199	219	1	0	0	20	30,466	0	0	0	0	0	0	2	0	9	13,415	0	0	28																																	
29	192	226	1	0	1	22	30,408	0	0	0	0	0	0	2	0	9	13,404	0	0	29																																	
30	200	228	1	0	0	15	30,364	0	0	0	0	0	0	2	0	6	13,396	0	0	30																																	
31	210	223	1	0	0	22	30,328	0	0	0	0	0	0	2	0	9	13,385	0	0	31																																	
S.F.D.	7,447	6,846	33	0	7	785	30,328	0	0	84	0	48	19	335	13,385	0	0	0	0	S.F.D.																																	
AC.FT.	14,771	13,579	65	0	13	1,557	60,155	0	0	166	0	96	38	664	26,549	0	0	0	0	AC.FT.																																	
TOTAL ACRE-FOOT STORAGE DAYS																	1,890,618	TOTAL ACRE-FOOT STORAGE DAYS																	834,392	TOTAL ACRE-FOOT STORAGE DAYS																	0

REPORT OF THE KERN RIVER WATERMASTER

WATERMASTER NOTES *** KERN RIVER BULLETIN

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

KERN RIVER BASIN
 CORRELATION OF SNOW SENSOR DATA TO SNOW COURSE DATA

Year	SNOW SENSORS										BASIN WIDE AVERAGE			KERN RIVER APRIL-JULY RUNOFF IN PERCENT OF AVERAGE	
	Readings of water content are in inches					APRIL 1 WATER CONTENT					Snow Sensors		Snow Courses		
	Upper Tyndall Creek	Crabtree Meadow	Chagoopa Plateau	Pascoe	Wet Meadow	Tunnel Guard	Casa Vieja Meadow	Beach Meadow	* 21.6 Avg. April 1 Water content	% of April 1 Average	16.8 Avg. April 1 Water content	% of April 1 Average			
1970	11,450	10,700	10,300	9,150	8,950	8,950	8,400	7,650	18.5	67%	11.8	70%	69%		
1971	27.7	19.8	21.8	24.9	30.3	15.6	20.9	11.0	18.6	71%	11.2	67%	53%		
1972									8.5	32%	3.7	22%	27%		
1973									42.7	155%	30.8	183%	155%		
1974									31.0	112%	19.4	115%	115%		
1975									24.9	90%	16.5	98%	83%		
1976									4.9	18%	4.8	29%	23%		
1977									5.8	21%	3.7	22%	21%		
1978									46.1	167%	38.7	230%	235%		
1979									26.1	95%	16.9	101%	90%		
1980									38.7	140%	30.2	180%	213%		
1981									20.8	75%	13.0	77%	54%		
1982									33.4	121%	23.0	137%	171%		
1983									51.1	225%	44.0	262%	332%		
1984									13.7	63%	11.9	71%	91%		
1985									21.2	96%	18.3	109%	91%		
1986									31.7	147%	32.5	193%	190%		
1987									12.3	57%	9.5	57%	45%		
1988									6.6	31%	5.1	30%	35%		
1989									14.6	68%	13.1	78%	50%		
1990									7.5	35%	4.8	29%	24%		
1991									17.9	83%	16.2	96%	59%		
1992									12.9	60%	11.1	66%	38%		
1993									28.6	132%	27.3	163%	126%		
1994									10.1	47%	9.7	58%	41%		

* Reflects average of eight snow sensors. Prior to 1988, snow sensor basin wide averages are based on sensors in actual operation.

Quantities in S.F.D. except where noted

NOVEMBER 1994

REPORT OF THE KERN RIVER WATERMASTER

DAY	ISABELLA RESERVOIR		LOSS	CHANGE IN		COMPUTED	MEAN	STORAGE	KERN	2ND POINT	FRIANT-
	ELEVATION (FEET)	MIDNIGHT STORAGE		ACRE-FOOT	S.F.D.						
Previous Day	2550.44	116,888	58,931	31	223	210	58,931	43,713	6	0	0
1	2550.41	116,748	58,860	43	213	187	58,860	43,642	8	0	0
2	2550.38	116,608	58,790	26	210	170	58,792	43,574	5	0	0
3	2550.36	116,514	58,743	19	199	168	58,739	43,521	4	0	0
4	2550.34	116,421	58,696	28	180	169	58,698	43,480	5	0	0
5	2550.32	116,328	58,649	30	185	180	58,661	43,443	6	0	0
6	2550.32	116,328	58,649	30	174	198	58,652	43,434	6	0	0
7	2550.32	116,328	58,649	32	182	216	58,652	43,434	6	0	0
8	2550.32	116,328	58,649	13	211	222	58,648	43,430	2	0	0
9	2550.32	116,328	58,649	21	201	231	58,655	43,437	4	0	0
10	2550.32	116,328	58,649	21	220	220	58,632	43,414	4	0	0
11	2550.30	116,234	58,601	10	230	206	58,596	43,378	2	0	0
12	2550.28	116,141	58,554	17	209	191	58,559	43,341	3	0	0
13	2550.28	116,141	58,554	13	180	185	58,548	43,330	2	0	0
14	2550.27	116,095	58,531	24	175	189	58,536	43,318	5	0	0
15	2550.27	116,095	58,531	21	170	188	58,530	43,312	4	0	0
16	2550.27	116,095	58,531	15	176	193	58,530	43,312	3	0	0
17	2550.29	116,188	58,578	11	188	248	58,577	43,359	2	0	0
18	2550.31	116,281	58,625	17	181	231	58,607	43,389	3	0	0
19	2550.31	116,281	58,625	8	184	207	58,619	43,401	2	0	0
20	2550.30	116,234	58,601	11	188	201	58,619	43,401	2	0	0
21	2550.31	116,281	58,625	13	193	217	58,628	43,410	2	0	0
22	2550.31	116,281	58,625	26	213	230	58,616	43,398	5	0	0
23	2550.30	116,234	58,601	17	221	225	58,601	43,383	3	0	0
24	2550.29	116,188	58,578	11	227	230	58,591	43,373	2	0	0
25	2550.29	116,188	58,578	11	243	244	58,578	43,360	2	0	0
26	2550.33	116,374	58,672	11	259	366	58,672	43,454	2	0	0
27	2550.32	116,328	58,649	15	235	228	58,648	43,430	3	0	0
28	2550.32	116,328	58,649	15	209	234	58,656	43,438	3	0	0
29	2550.33	116,374	58,672	8	214	240	58,672	43,454	2	0	0
30	2550.33	116,374	58,672	17	210	229	58,672	43,454	3	0	0
TOTAL SECOND FOOT DAYS				554	6,080	6,443	58,672	43,454	105	0	0
TOTAL ACRE-FOOT				1,099	12,060	12,780	116,374	86,190	208	0	0

By: *[Signature]* Date: DECEMBER 12, 1994

REPORT OF THE KERN RIVER WATERMASTER

DECEMBER 1994

Quantities in S.F.D. except where noted

DAY	ISABELLA RESERVOIR		LOSS	CHANGE IN STORAGE		FIRST POINT FLOW	FLOW ABOVE	STORAGE + LOSS	COMPUTED	MEAN	STORAGE	KERN	2ND POINT	FRONT-
	ELEVATION	MIDNIGHT STORAGE		RESERVOIR	RESERVOIR									
Previous Day	2550.33	116,374	17	210	229	229	229	229	58,672	43,454	3	0	0	0
1	2550.32	116,328	25	223	227	227	227	227	58,669	43,451	5	0	0	1
2	2550.33	116,374	18	244	286	286	286	286	58,661	43,443	3	0	0	2
3	2550.33	116,374	7	244	252	252	252	252	58,681	43,463	1	0	0	3
4	2550.34	116,421	6	246	277	277	277	277	58,684	43,466	1	0	0	4
5	2550.33	116,374	13	247	238	238	238	238	58,676	43,458	2	0	0	5
6	2550.32	116,328	20	248	246	246	246	246	58,649	43,431	4	0	0	6
7	2550.31	116,281	15	251	243	243	243	243	58,635	43,417	3	0	0	7
8	2550.31	116,281	6	265	272	272	272	272	58,605	43,387	1	0	0	8
9	2550.28	116,141	13	267	210	210	210	210	58,551	43,333	2	0	0	9
10	2550.24	115,956	15	277	200	200	200	200	58,482	43,264	3	0	0	10
11	2550.23	115,910	4	279	262	262	262	262	58,438	43,220	1	0	0	11
12	2550.21	115,817	13	293	260	260	260	260	58,388	43,170	2	0	0	12
13	2550.19	115,724	9	286	249	249	249	249	58,352	43,134	2	0	0	13
14	2550.18	115,677	11	283	272	272	272	272	58,315	43,097	2	0	0	14
15	2550.17	115,631	2	275	254	254	254	254	58,299	43,081	0	0	0	15
16	2550.17	115,631	7	252	260	260	260	260	58,287	43,069	1	0	0	16
17	2550.16	115,585	9	242	229	229	229	229	58,281	43,063	2	0	0	17
18	2550.15	115,538	25	246	248	248	248	248	58,247	43,029	5	0	0	18
19	2550.15	115,538	6	231	238	238	238	238	58,256	43,038	1	0	0	19
20	2550.16	115,585	15	216	256	256	256	256	58,273	43,055	3	0	0	20
21	2550.16	115,585	20	231	252	252	252	252	58,268	43,050	4	0	0	21
22	2550.15	115,538	25	232	234	234	234	234	58,252	43,034	5	0	0	22
23	2550.14	115,492	16	245	239	239	239	239	58,232	43,014	3	0	0	23
24	2550.14	115,492	7	247	254	254	254	254	58,227	43,009	1	0	0	24
25	2550.16	115,585	4	257	309	309	309	309	58,274	43,056	1	0	0	25
26	2550.17	115,631	4	266	294	294	294	294	58,289	43,071	1	0	0	26
27	2550.17	115,631	9	262	272	272	272	272	58,285	43,067	2	0	0	27
28	2550.16	115,585	11	248	237	237	237	237	58,282	43,064	2	0	0	28
29	2550.16	115,585	6	254	261	261	261	261	58,268	43,050	1	0	0	29
30	2550.16	115,585	7	236	244	244	244	244	58,274	43,056	1	0	0	30
31	2550.16	115,585	7	235	243	243	243	243	58,274	43,056	1	0	0	31
TOTAL SECOND FOOT DAYS			355	7,828	7,818	7,818	7,818	7,818	58,274	43,056	66	0	0	0
TOTAL ACRE- FEET			704	15,527	15,507	15,507	15,507	15,507	115,585	85,401	131	0	0	0

By: *Gal* Date: JANUARY 11, 1995

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

DAY	ENT'L AT 1ST POINT	FLOW AT 1ST POINT	FLOW ABOVE FIRST POINT			ENT'L AT 1ST POINT	FLOW AT 2ND POINT	FLOW ABOVE FIRST POINT			ENTITLEMENT Contributed by:	RESERVOIR STORAGE	LOSS	RESERVOIR STORAGE	LOSS	RESERVOIR STORAGE	LOSS	RESERVOIR STORAGE	LOSS		
			LAKE MING	LAKE HACIENDA	VALLEY GOLF			OLCESE	WD	CARMEL										OLCESE	WD
1	229	210	0	2	0	0	0	0	0	0	0	5	13,207	0	0	0	0	0	0		
2	247	223	1	1	0	0	0	0	0	0	0	7	13,200	0	0	0	0	0	0		
3	255	244	0	1	0	0	0	0	0	0	0	5	13,195	0	0	0	0	0	0		
4	272	244	1	0	0	0	0	0	0	0	0	2	13,193	0	0	0	0	0	0		
5	256	246	0	1	0	0	0	0	0	0	0	2	13,191	0	0	0	0	0	0		
6	242	248	0	0	0	0	0	0	0	0	0	4	13,186	0	0	0	0	0	0		
7	253	251	1	0	0	0	0	0	0	0	0	6	13,179	0	0	0	0	0	0		
8	242	265	0	0	0	0	0	0	0	0	0	4	13,175	0	0	0	0	0	0		
9	227	267	1	0	0	0	0	0	0	0	0	2	13,172	0	0	0	0	0	0		
10	224	279	0	0	0	0	0	0	0	0	0	4	13,168	0	0	0	0	0	0		
11	241	279	1	0	0	0	0	0	0	0	0	4	13,163	0	0	0	0	0	0		
12	257	293	0	0	0	0	0	0	0	0	0	1	13,161	0	0	0	0	0	0		
13	260	286	1	0	0	0	0	0	0	0	0	1	13,156	0	0	0	0	0	0		
14	258	283	0	0	0	0	0	0	0	0	0	3	13,153	0	0	0	0	0	0		
15	262	275	1	0	0	0	0	0	0	0	0	1	13,148	0	0	0	0	0	0		
16	248	252	0	0	0	0	0	0	0	0	0	2	13,145	0	0	0	0	0	0		
17	246	242	1	0	0	0	0	0	0	0	0	3	13,142	0	0	0	0	0	0		
18	238	246	0	0	0	0	0	0	0	0	0	7	13,134	0	0	0	0	0	0		
19	247	231	0	1	0	0	0	0	0	0	0	2	13,132	0	0	0	0	0	0		
20	249	216	1	0	0	0	0	0	0	0	0	4	13,128	0	0	0	0	0	0		
21	247	231	0	1	0	0	0	0	0	0	0	6	13,122	0	0	0	0	0	0		
22	242	232	0	1	0	0	0	0	0	0	0	7	13,115	0	0	0	0	0	0		
23	242	245	1	0	0	0	0	0	0	0	0	5	13,110	0	0	0	0	0	0		
24	249	247	0	0	0	0	0	0	0	0	0	2	13,108	0	0	0	0	0	0		
25	309	257	0	1	0	0	0	0	0	0	0	1	13,107	0	0	0	0	0	0		
26	286	266	1	0	0	0	0	0	0	0	0	1	13,106	0	0	0	0	0	0		
27	268	262	0	1	0	0	0	0	0	0	0	3	13,103	0	0	0	0	0	0		
28	257	248	0	1	0	0	0	0	0	0	0	3	13,100	0	0	0	0	0	0		
29	247	254	1	0	0	0	0	0	0	0	0	2	13,098	0	0	0	0	0	0		
30	250	236	0	1	0	0	0	0	0	0	0	2	13,096	0	0	0	0	0	0		
31	243	235	0	1	0	0	0	0	0	0	0	2	13,096	0	0	0	0	0	0		
S.F.D.	7,818	7,828	13	11	0	0	0	0	0	0	0	9	104	13,096	0	0	0	0	0		
AC.F.T.	15,507	15,527	26	22	0	0	0	0	0	0	0	18	206	25,976	0	0	0	0	0		
TOTAL ACRE-FOOT STORAGE DAYS													1,846,938	TOTAL ACRE-FOOT STORAGE DAYS			808,127	TOTAL ACRE-FOOT STORAGE DAYS			0

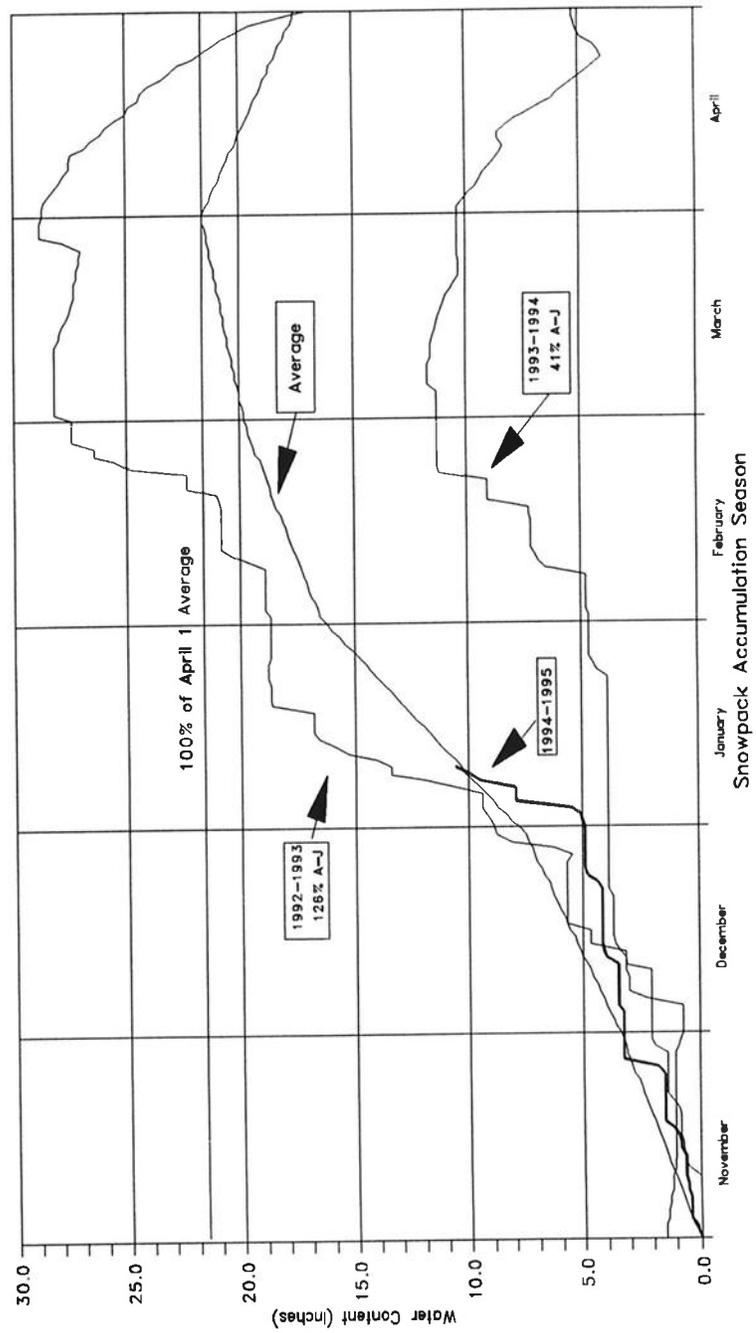
REPORT OF THE KERN RIVER WATERMASTER

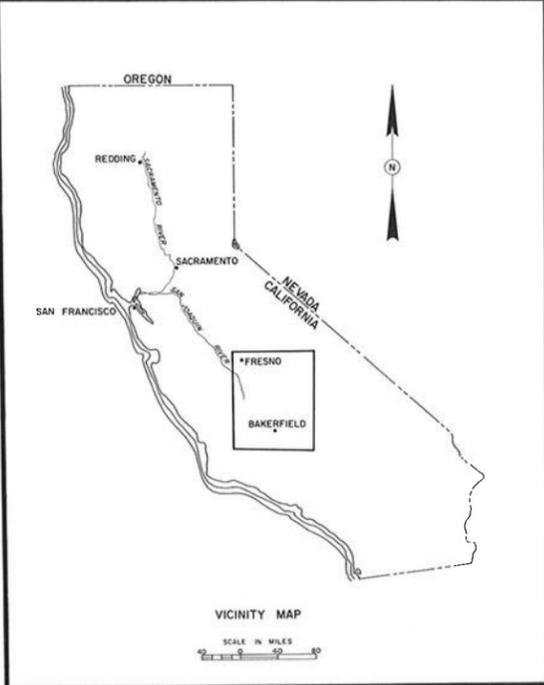
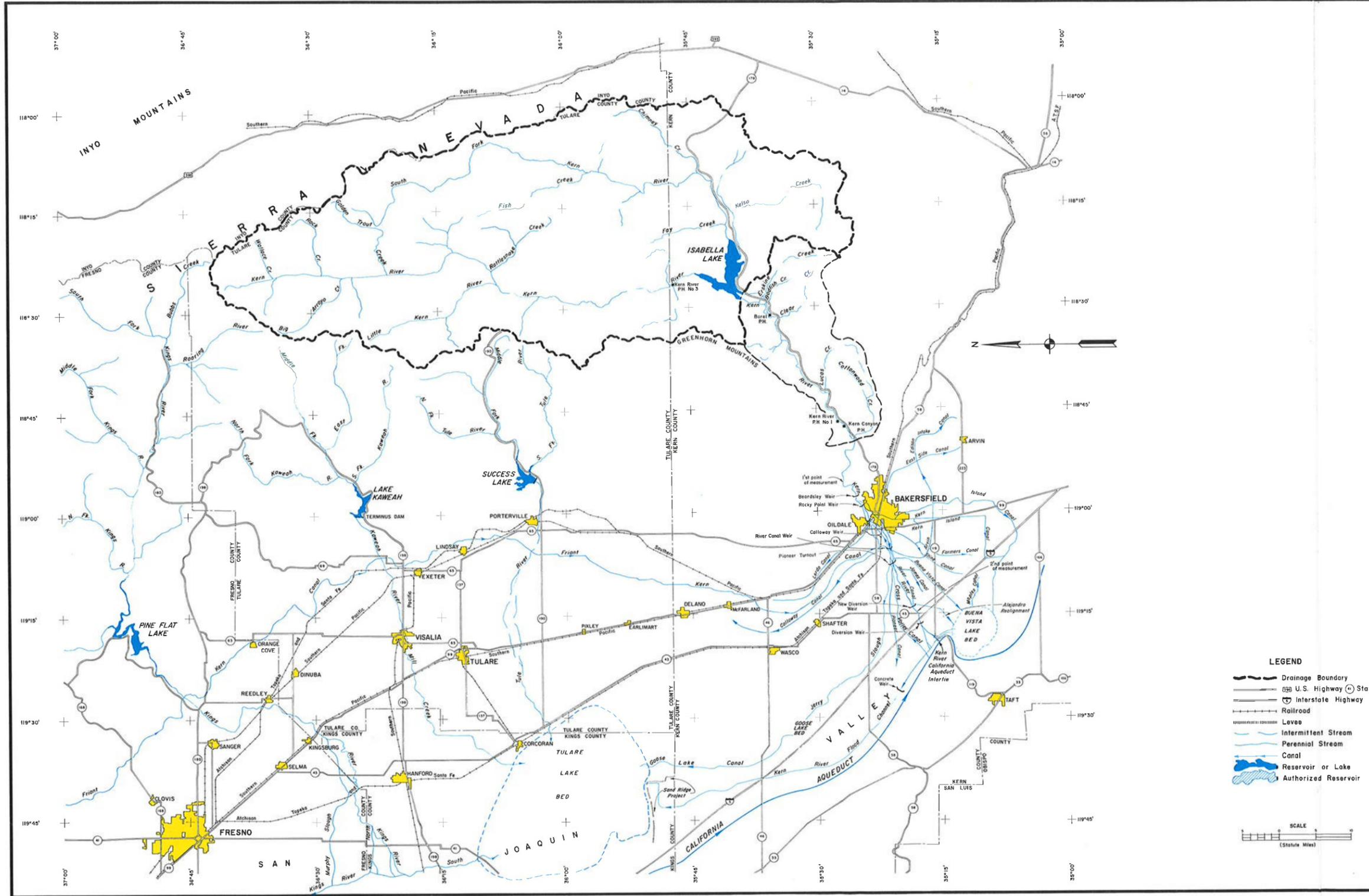
WATERMASTER NOTES *** KERN RIVER BULLETIN

MONTH December DAY(S) 31 PAGE NO. 2 TITLE OF COLUMN NKWSO RESERVOIR STORAGE
BWSD RESERVOIR STORAGE

COMMENT Reflects transfer of 4 acre-feet (2 s.f.d.) from NORTH KERN WATER STORAGE DISTRICT to BUENA VISTA WATER STORAGE DISTRICT (North Kern WSD on behalf of La Hacienda) as compensation for additional evaporation of Kern River water due to Rio Bravo Power Plant operations during calendar year 1994 pursuant to terms of May 14, 1986 Memorandum of Understanding between Oicase Water District and Kern River Interests. (Total of 14 acre-feet of additional evaporation; shared 75% NKWSO and 25% BWSD)

KERN RIVER BASIN SNOWPACK ACCUMULATION
EIGHT SENSOR INDEX





LEGEND

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

SCALE
(Statute Miles)

**ISABELLA LAKE
KERN RIVER, CALIFORNIA**

GENERAL MAP

CORPS OF ENGINEERS SACRAMENTO, CALIFORNIA

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

Drawn : T.K.B.

