



*USGS streamflow gaging station  
Kern River South Fork near Onyx*

# **KERN RIVER 1996**

  
**BAKERSFIELD**

---

*Prepared for:*

**Field Office**

**North Kern Water Storage District**

1996  
HYDROGRAPHIC ANNUAL REPORT

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**HISTORICAL DATA**

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
Measurements and Estimates were not made prior to September 29, 1893...																	
1893	acre-foot										32,864	30,827	31,757				
	mean s.f.d.										534	518	516				
1894	acre-foot	40,647	39,816	61,548	88,974	98,801	64,564	43,061	20,565	14,759	17,179	14,501	28,911	533,326			
	mean s.f.d.	661	717	1,001	1,495	1,607	1,085	700	334	248	279	244	470	2,208	172	737	
1895	acre-foot	49,769	69,521	84,456	162,071	268,635	172,890	91,133	38,672	20,452	20,091	20,604	24,758	1,023,052			
	mean s.f.d.	809	1,252	1,374	2,724	4,369	2,906	1,482	629	344	327	346	403	5,583	276	1,413	
1896	acre-foot	45,951	35,510	58,494	57,884	86,174	146,124	82,760	29,885	18,081	16,401	21,108	21,360	619,692			
	mean s.f.d.	747	617	951	972	1,401	2,456	1,346	486	304	267	355	347	3,611	223	854	
1897	acre-foot	22,949	44,941	56,756	173,393	281,639	137,393	61,837	28,842	17,728	20,888	21,146	25,922	893,434			
	mean s.f.d.	373	809	923	2,914	4,580	2,309	1,006	469	298	340	355	422	5,342	260	1,234	
1898	acre-foot	22,332	24,105	23,882	42,248	45,213	32,809	15,033	7,390	6,885	9,830	9,884	12,216	251,827			
	mean s.f.d.	363	434	388	710	735	551	244	120	116	160	166	199	1,342	80	348	
1899	acre-foot	16,185	16,754	36,279	53,133	51,353	79,178	30,046	9,600	6,248	9,852	13,180	17,064	338,872			
	mean s.f.d.	263	302	590	893	835	1,331	489	156	105	160	221	278	4,932	86	468	
1900	acre-foot	22,266	15,562	25,384	28,102	68,295	76,366	24,125	8,860	9,903	9,808	20,787	22,915	332,373			
	mean s.f.d.	362	280	413	472	1,111	1,283	392	144	166	160	349	373	1,969	101	459	
1901	acre-foot	30,337	47,760	78,109	83,190	186,446	197,792	114,613	59,536	20,535	19,468	22,429	19,874	880,089			
	mean s.f.d.	493	860	1,270	1,398	3,032	3,324	1,864	968	345	317	377	323	4,419	226	1,216	
1902	acre-foot	17,407	20,582	48,546	107,403	109,904	128,853	43,436	19,172	11,695	12,242	16,739	16,560	552,539			
	mean s.f.d.	283	371	790	1,805	1,787	2,165	706	312	197	199	281	269	3,758	160	763	
1903	acre-foot	21,531	25,192	35,575	74,315	132,097	139,222	53,355	18,623	11,357	10,681	12,107	12,340	546,395			
	mean s.f.d.	350	454	579	1,249	2,148	2,340	868	303	181	174	203	201	3,374	150	755	
1904	acre-foot	11,982	19,902	40,996	59,812	113,205	103,904	39,725	28,733	15,901	26,955	17,006	14,828	492,949			
	mean s.f.d.	195	346	667	1,005	1,841	1,746	646	467	267	438	286	241	3,167	156	679	
1905	acre-foot	17,258	22,001	50,598	62,047	117,748	132,766	53,835	20,134	12,563	12,744	14,041	16,074	531,809			
	mean s.f.d.	281	396	823	1,043	1,915	2,231	876	327	211	207	236	261	3,247	165	735	
1906	acre-foot	42,623	34,750	126,844	173,143	360,234	458,418	399,841	141,384	57,925	37,464	29,931	37,983	1,900,540			
	mean s.f.d.	693	626	2,063	2,910	5,859	7,704	6,503	2,299	973	609	503	618	9,684	222	2,625	
1907	acre-foot	41,697	56,834	83,272	197,720	199,950	183,995	97,083	41,940	24,623	22,428	19,747	21,611	990,900			
	mean s.f.d.	678	1,023	1,354	3,323	3,252	3,092	1,579	682	414	365	332	351	1,369		1,369	
1908	acre-foot	27,878	32,481	65,079	79,320	79,418	60,305	41,851	32,378	21,763	21,487	18,206	18,337	498,503			
	mean s.f.d.	453	565	1,058	1,333	1,292	1,013	681	527	366	349	306	298	687		687	
1909	acre-foot	118,441	125,050	128,649	247,402	382,617	394,086	194,870	66,224	43,448	31,214	34,350	72,292	1,838,643			
	mean s.f.d.	1,926	2,252	2,082	4,158	6,223	6,623	3,169	1,077	730	508	577	1,176	11,870	295	2,540	
1910	acre-foot	73,523	48,904	85,085	102,883	127,733	79,464	42,046	24,216	17,201	18,976	18,891	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	626	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	73,561	60,738	34,929	31,454	25,357	13,402	15,368	16,596	367,840	—	—	—
	mean s.f.d.	212	283	410	714	1,196	1,021	568	512	426	218	258	270	—	1,976	126	508
1914	acre-foot	116,541	62,575	102,739	144,934	210,676	201,064	128,338	55,127	25,240	24,462	20,390	21,427	1,113,513	—	—	—
	mean s.f.d.	1,895	1,127	1,671	2,436	3,426	3,379	2,087	897	424	398	343	348	—	18,287	285	1,538
1915	acre-foot	22,500	30,254	48,536	80,916	124,506	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	32,364	2,520,149	—	—	—
	mean s.f.d.	2,803	3,521	6,149	8,096	7,693	6,583	3,662	923	568	679	519	526	—	17,962	274	3,481
1917	acre-foot	40,128	44,894	65,242	126,329	165,062	187,638	81,275	36,990	19,696	17,970	18,488	19,370	823,082	—	—	—
	mean s.f.d.	653	808	1,061	2,123	2,684	3,153	1,322	602	331	292	311	315	—	4,331	267	1,137
1918	acre-foot	18,918	18,559	48,087	74,513	78,722	136,753	44,828	20,807	17,562	32,555	22,160	25,039	538,503	—	—	—
	mean s.f.d.	308	334	782	1,252	1,280	2,298	729	338	295	529	372	407	—	3,478	227	744
1919	acre-foot	21,098	23,002	37,973	86,574	140,215	81,844	34,364	16,288	11,722	13,835	13,884	18,325	499,124	—	—	—
	mean s.f.d.	343	414	618	1,455	2,280	1,375	559	265	197	225	233	298	—	4,299	156	689
1920	acre-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	100,096	120,387	49,119	18,073	12,595	13,180	12,960	21,673	509,519	—	—	—
	mean s.f.d.	383	554	901	869	1,628	2,023	799	294	212	214	218	352	—	3,548	110	704
1922	acre-foot	30,682	33,846	52,468	84,407	242,259	202,395	88,649	37,061	23,772	17,770	19,835	28,282	861,426	—	—	—
	mean s.f.d.	499	609	853	1,419	3,940	3,401	1,442	603	400	289	333	460	—	5,300	196	1,190
1923	acre-foot	28,863	25,720	31,372	73,355	120,849	82,528	55,800	22,322	18,054	15,495	14,348	13,809	500,515	—	—	—
	mean s.f.d.	437	463	510	1,233	1,965	1,387	908	363	303	252	241	225	—	3,275	179	691
1924	acre-foot	13,676	13,702	15,953	28,540	41,722	14,069	8,225	5,881	5,494	7,642	14,196	18,627	187,727	—	—	—
	mean s.f.d.	222	238	259	480	679	236	134	96	92	124	239	303	—	1,073	74	259
1925	acre-foot	17,992	26,333	31,299	56,408	102,016	96,252	58,437	25,938	11,405	12,906	12,305	14,622	465,913	—	—	—
	mean s.f.d.	293	474	509	948	1,659	1,618	950	422	192	210	207	238	—	2,819	148	635
1926	acre-foot	12,022	15,667	24,739	66,079	98,598	49,530	18,575	9,522	7,029	8,358	28,493	28,094	366,706	—	—	—
	mean s.f.d.	196	282	402	1,110	1,604	832	302	155	118	136	479	457	—	6,511	74	507
1927	acre-foot	20,485	75,279	73,083	100,362	184,721	161,153	75,481	26,817	14,842	14,037	27,180	19,140	792,580	—	—	—
	mean s.f.d.	333	1,355	1,189	1,687	3,004	2,708	1,228	436	249	228	457	311	—	6,571	188	1,095
1928	acre-foot	18,452	17,818	32,668	37,757	76,885	60,344	18,716	9,189	6,583	8,732	11,974	13,710	312,828	—	—	—
	mean s.f.d.	300	310	531	635	1,250	1,014	304	149	111	142	201	223	—	2,058	101	431
1929	acre-foot	13,964	14,654	25,176	39,064	85,995	63,487	30,986	12,797	9,146	8,793	9,035	9,961	322,958	—	—	—
	mean s.f.d.	225	264	409	656	1,399	1,067	504	208	154	143	152	162	—	2,003	119	446
1930	acre-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	185,845	—	—	—
	mean s.f.d.	200	248	257	394	681	408	138	102	115	111	138	285	—	2,261	71	256
1932	acre-foot	22,235	39,596	68,647	111,273	154,742	166,404	94,013	28,243	13,593	13,942	12,077	12,962	737,727	—	—	—
	mean s.f.d.	362	688	1,116	1,870	2,517	2,797	1,529	459	228	227	203	211	—	3,726	180	1,016
1933	acre-foot	17,175	21,021	36,244	57,265	60,026	125,395	56,898	18,692	10,062	10,893	10,776	16,639	441,086	—	—	—
	mean s.f.d.	279	379	589	962	976	2,107	925	304	169	177	181	271	—	3,769	144	609
1934	acre-foot	20,033	16,842	27,429	39,919	43,065	21,820	11,341	6,948	7,043	8,196	11,272	13,757	227,665	—	—	—
	mean s.f.d.	326	303	446	671	700	367	184	113	118	133	189	224	—	914	82	314
1935	acre-foot	14,840	18,500	24,841	71,042	103,787	133,634	42,184	17,193	11,363	11,962	11,905	12,877	474,128	—	—	—
	mean s.f.d.	241	333	404	1,194	1,688	2,246	686	280	191	195	200	209	—	3,378	164	655
1936	acre-foot	14,737	46,808	57,374	157,290	219,404	137,028	67,902	32,987	14,372	15,423	15,828	17,294	796,447	—	—	—
	mean s.f.d.	240	814	933	2,643	3,568	2,303	1,104	536	242	251	266	281	—	4,173	194	1,097
1937	acre-foot	21,745	139,109	111,443	183,505	352,050	225,395	91,097	32,186	17,780	17,173	16,379	52,320	1,260,182	—	—	—
	mean s.f.d.	354	2,505	1,812	3,084	5,726	3,788	1,482	523	299	279	275	851	—	20,000	223	1,741
1938	acre-foot	31,265	42,456	162,121	223,928	315,044	291,880	130,917	54,155	28,693	27,475	24,748	26,003	1,358,685	—	—	—
	mean s.f.d.	508	764	2,637	3,763	5,124	4,905	2,129	881	482	447	416	423	—	14,582	356	1,877
1939	acre-foot	28,558	33,273	54,119	92,136	92,253	58,400	25,480	18,774	13,712	16,826	13,692	13,850	461,073	—	—	—
	mean s.f.d.	464	599	880	1,548	1,500	981	414	305	230	274	230	225	—	2,028	178	637
1940	acre-foot	45,082	65,032	77,810	118,175	196,465	145,503	50,471	18,928	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	289	451	—	5,454	167	1,087
1941	acre-foot	39,540	73,589	109,735	124,615	386,666	309,960	174,416	62,537	27,997	26,325	27,661	38,035	1,401,076	—	—	—
	mean s.f.d.	643	1,325	1,785	2,094	6,289	5,209	2,837	1,017	471	428	465	619	—	8,523	337	1,935
1942	acre-foot	49,438	40,834	58,487	112,586	150,036	178,754	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	254,785	155,650	88,011	34,435	17,857	17,849	18,565	24,224	1,220,827	—	—	—
	mean s.f.d.	1,505	1,023	4,250	3,340	4,144	2,616	1,431	560	300	290	312	394	—	21,701	252	1,686
1944	acre-foot	27,473	32,781	69,836	80,223	150,109	115,862	59,197	20,305	12,843	12,952	21,521	22,435	625,537	—	—	—
	mean s.f.d.	447	570	1,136	1,348	2,441	1,947	963	330	216	211	362	365	—	3,071	191	862
1945	acre-foot	20,783	70,522	63,925	131,246	205,509	199,002	91,593	41,632	21,548	41,288	36,845	44,182	938,055	—	—	—
	mean s.f.d.	338	1,270	1,040	2,206	3,342	2,840	1,490	677	362	671	619	719	—	9,370	155	1,296
1946	acre-foot	45,481	34,854	60,958	109,658	155,476	85,880	39,733	20,091	13,261	16,141	31,365	37,785	650,693	—	—	—
	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	31,148	28,167	36,319	60,353	110,325	57,778	21,116	12,313	9,140	12,607	13,492	13,942	406,698	—	—	—
	mean s.f.d.	507	507	591	1,014	1,794	971	343	200	154	205	227	227	—	2,584	135	562
1948	acre-foot	13,486	13,267	16,233	43,976	86,108	78,565	31,331	9,927	6,899	8,908	9,586	11,220	329,506	—	—	—
	mean s.f.d.	219	231	264	739	1,400	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	8,682	6,541	7,704	11,131	12,791	302,870	—	—	—
	mean s.f.d.	195	234	344	849	1,374	969	280	141	110	125	187	208	—	2,128	69	418
1950	acre-foot	17,119	39,761	37,087	76,155	98,483	90,367	34,901	12,179	10,363	9,955	96,968	77,992	601,360	—	—	—
	mean s.f.d.	278	716	603	1,280	1,602	1,519	568	198	175	162	1,630	1,268	—	37,000	128	831

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1951	acre-foot	32,975	30,018	35,101	48,914	85,039	88,990	38,941	12,996	7,793	9,364	11,958	40,163	442,222	—	—	—
	mean s.f.d.	536	541	571	922	1,383	1,496	633	211	131	152	201	653	—	8,341	69	611
1952	acre-foot	60,367	53,673	84,726	222,633	434,769	302,557	159,856	68,200	30,670	23,417	24,871	35,260	1,500,999	—	—	—
	mean s.f.d.	982	933	1,378	3,741	7,071	5,085	2,600	1,109	515	381	418	573	—	8,530	254	2,073
1953	acre-foot	60,760	40,498	38,709	70,730	86,019	103,164	69,657	21,503	12,730	13,125	15,023	16,915	548,833	—	—	—
	mean s.f.d.	988	729	630	1,189	1,399	1,734	1,133	350	214	213	252	275	—	3,798	119	758
1954	acre-foot	22,019	30,361	44,575	101,203	139,719	73,553	39,642	19,198	12,571	12,351	15,328	17,837	528,357	—	—	—
	mean s.f.d.	358	547	725	1,701	2,272	1,236	645	312	211	201	258	290	—	2,948	150	729
1955	acre-foot	20,438	24,625	29,734	37,567	69,544	86,660	31,014	19,293	9,840	10,100	12,526	92,959	444,300	—	—	—
	mean s.f.d.	332	443	484	631	1,131	1,456	504	314	165	164	211	1,512	—	12,711	101	614
1956	acre-foot	82,943	49,993	62,767	97,553	159,683	168,876	99,529	41,141	21,370	23,397	17,042	16,568	840,862	—	—	—
	mean s.f.d.	1,349	869	1,021	1,639	2,597	2,838	1,619	669	359	381	286	269	—	5,167	207	1,158
1957	acre-foot	18,535	26,178	31,357	38,644	79,355	132,359	41,988	17,518	12,111	13,648	14,013	18,632	444,338	—	—	—
	mean s.f.d.	301	471	510	649	1,291	2,224	683	285	204	222	235	303	—	3,411	147	614
1958	acre-foot	22,088	39,453	68,140	168,105	316,974	230,866	115,724	56,190	27,515	20,815	19,835	19,025	1,104,730	—	—	—
	mean s.f.d.	359	710	1,108	2,825	5,155	3,880	1,882	914	482	339	333	309	—	6,592	236	1,526
1959	acre-foot	20,592	22,258	33,274	40,566	39,945	32,061	18,013	10,094	9,852	9,689	10,419	11,215	257,978	—	—	—
	mean s.f.d.	335	401	541	682	650	539	293	164	166	158	175	182	—	944	104	356
1960	acre-foot	13,363	30,682	31,908	46,272	58,336	47,181	16,683	9,638	8,678	10,187	14,183	12,926	300,037	—	—	—
	mean s.f.d.	217	533	519	778	949	793	271	157	146	166	238	210	—	1,690	99	413
1961	acre-foot	11,466	10,905	14,221	24,137	29,980	24,305	8,952	16,018	8,463	7,353	9,554	12,288	177,642	—	—	—
	mean s.f.d.	186	196	231	406	488	408	146	261	142	120	161	200	—	626	99	245
1962	acre-foot	13,507	53,411	37,660	147,463	135,884	157,253	74,874	25,416	13,849	14,051	12,407	11,929	697,704	—	—	—
	mean s.f.d.	220	962	612	2,478	2,210	2,643	1,218	413	233	229	209	194	—	3,604	144	964
1963	acre-foot	27,793	101,595	42,984	69,412	137,839	163,944	105,384	47,008	28,883	27,291	25,837	23,470	801,450	—	—	—
	mean s.f.d.	452	1,829	699	1,167	2,242	2,755	1,714	765	485	444	434	382	—	15,584	160	1,107
1964	acre-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	120	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	799	370	287	496	497	—	3,322	226	965
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	678,595	—	—	—
	mean s.f.d.	476	404	636	1,156	1,339	763	380	295	161	176	261	5,104	—	80,029	112	937
1967	acre-foot	63,580	65,831	86,200	99,509	269,631	311,063	243,802	94,834	55,255	36,230	34,546	35,746	1,396,227	—	—	—
	mean s.f.d.	1,034	1,185	1,402	1,672	4,365	5,228	3,965	1,542	929	589	581	581	—	7,223	419	1,928
1968	acre-foot	34,052	40,354	48,803	65,584	87,981	64,054	30,690	20,600	11,466	13,599	16,982	19,585	453,760	—	—	—
	mean s.f.d.	554	702	794	1,102	1,431	1,076	499	335	193	221	285	319	—	1,923	155	625
1969	acre-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	344	3,400
1970	acre-foot	66,480	41,419	59,917	63,513	110,057	95,700	50,138	24,224	14,392	13,301	21,519	28,814	589,474	—	—	—
	mean s.f.d.	1,081	746	974	1,067	1,790	1,608	815	394	242	216	362	469	—	6,298	171	814

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1971	acre-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	19,864	18,827	33,213	28,288	45,965	38,531	14,936	10,927	11,334	11,431	14,703	20,408	268,427	—	—	—
	mean s.f.d.	323	327	540	475	748	648	243	178	190	186	247	332	—	951	111	370
1973	acre-foot	33,628	36,395	52,778	110,892	288,652	230,390	93,834	41,028	23,030	18,995	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	140,660	51,917	22,625	17,133	16,209	15,049	16,310	564,567	—	—	—
	mean s.f.d.	350	481	696	783	2,391	2,364	844	368	288	264	253	265	—	3,783	164	780
1976	acre-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	184,693	74,001	61,696	29,562	26,874	28,485	1,653,505	—	—	—
	mean s.f.d.	758	2,096	2,854	3,054	5,906	5,963	3,166	1,204	1,037	481	452	463	—	10,901	350	2,284
1979	acre-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	2,682	1,783	760	443	329	322	316	313	—	3,540	229	929
1980	acre-foot	145,545	168,887	139,620	211,608	287,825	282,877	208,715	78,143	35,068	26,955	25,006	29,708	1,639,957	—	—	—
	mean s.f.d.	2,367	2,936	2,271	3,556	4,681	4,754	3,394	1,271	589	438	420	483	—	14,171	261	2,259
1981	acre-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	254,985	198,748	130,098	61,956	61,716	46,306	57,116	77,849	1,271,139	—	—	—
	mean s.f.d.	613	954	1,280	3,579	4,147	3,340	2,116	1,008	1,037	753	960	1,266	—	9,075	389	1,756
1983	acre-foot	87,905	138,514	265,543	206,473	478,625	571,846	288,866	154,935	68,503	53,300	71,599	103,019	2,489,128	—	—	—
	mean s.f.d.	1,430	2,494	4,319	3,470	7,784	9,610	4,698	2,520	1,151	867	1,203	1,675	—	14,038	602	3,438
1984	acre-foot	78,054	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	2,387	1,678	673	390	286	268	375	552	—	3,353	208	929
1986	acre-foot	42,668	149,966	204,775	208,147	293,335	263,784	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	1,966
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	294,685	—	—	—
	mean s.f.d.	369	344	491	665	949	725	341	219	180	151	184	252	—	1,418	118	408
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	13,380	8,386	6,428	8,834	8,340	9,148	203,571	—	—	—
	mean s.f.d.	210	236	375	538	628	493	218	136	108	144	140	149	—	845	78	281

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

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1991	acre-feet	10,931	9,215	47,341	58,092	79,763	100,423	38,265	14,854	11,040	9,358	13,940	13,067	406,289	—	—	—
	mean s.f.d.	178	166	770	976	1,297	1,688	622	242	186	152	234	213	—	5,025	109	561
1992	acre-feet	14,069	22,314	26,410	55,448	74,394	32,987	16,324	11,942	7,896	9,414	11,054	14,577	296,829	—	—	—
	mean s.f.d.	229	388	430	932	1,210	554	265	194	133	153	186	237	—	1,584	104	409
1993	acre-feet	39,221	39,564	94,231	133,993	200,864	162,420	87,414	32,763	16,506	14,223	14,398	18,163	853,760	—	—	—
	mean s.f.d.	638	712	1,533	2,252	3,267	2,730	1,422	533	277	231	242	295	—	3,957	203	1,179
1994	acre-feet	18,936	23,946	38,592	46,489	67,224	56,223	21,068	11,939	8,981	14,771	12,780	15,507	336,456	—	—	—
	mean s.f.d.	308	431	628	781	1,093	945	343	194	151	240	215	252	—	1,686	121	465
1995	acre-feet	46,832	48,774	156,387	143,244	255,046	293,129	237,802	89,657	39,108	24,093	22,268	28,820	1,385,160	—	—	—
	mean s.f.d.	762	878	2,543	2,407	4,148	4,926	3,867	1,458	657	392	374	469	—	8,420	240	1,913
1996	acre-feet	40,304	98,549	108,042	147,959	225,987	154,883	70,502	32,255	16,651	15,788	40,903	86,438	1,038,261	—	—	—
	mean s.f.d.	655	1,713	1,757	2,487	3,675	2,603	1,147	525	280	257	687	1,406	—	9,024	222	1,430

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

YEAR: 1996

October 1893 to Date...

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
Mean Monthly Flow (acre-feet)	35,870	43,058	65,381	99,841	156,412	139,846	72,551	31,390	18,384	17,510	19,899	28,117	728,259
Mean Monthly Flow (second foot days)	583	768	1,063	1,678	2,544	2,350	1,180	511	309	285	334	457	1,005
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	103	103	103	103	103	103	103	103	103	104	104	104	
Cumulative Monthly Flow (All Months - acre-feet)	3,694,613	4,434,986	6,734,189	10,283,608	16,110,464	14,404,175	7,472,771	3,233,141	1,893,592	1,821,045	2,069,469	2,924,147	
Median Monthly Flow (acre-feet)	23,224	30,682	47,099	75,989	120,252	113,673	49,529	22,058	14,075	14,567	16,020	19,521	546,689
Median Monthly Flow (second foot days)	378	548	766	1,277	1,956	1,910	806	359	237	237	269	317	755

MEAN APRIL - JULY RUNOFF TO DATE = 468,650 AcFt      MEAN MARCH - OCTOBER RUNOFF TO DATE = 601,315 AcFt

MEDIAN APRIL - JULY RUNOFF TO DATE = 359,443 AcFt      MEDIAN MARCH - OCTOBER RUNOFF TO DATE = 457,242 AcFt

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

Year: 1996

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	446	732	863	1,298	2,122	2,713	1,704	726	368	302	292	354
2	437	684	899	1,305	2,147	2,682	1,681	700	362	299	290	357
3	428	643	981	1,324	2,186	2,670	1,658	684	354	296	288	373
4	430	599	955	1,320	2,250	2,667	1,630	667	347	293	284	397
5	454	601	986	1,354	2,294	2,681	1,573	642	362	286	287	509
6	444	665	946	1,384	2,339	2,690	1,527	627	368	294	287	1,140
7	443	796	903	1,405	2,371	2,689	1,478	611	344	284	289	533
8	452	736	921	1,433	2,413	2,666	1,430	597	331	290	287	432
9	437	787	1,011	1,462	2,449	2,615	1,385	581	321	291	288	442
10	453	754	1,055	1,491	2,475	2,597	1,343	573	311	286	292	452
11	474	688	1,058	1,595	2,480	2,561	1,295	563	306	283	306	465
12	539	704	1,006	1,612	2,483	2,542	1,261	551	311	279	310	447
13	560	816	1,009	1,604	2,511	2,525	1,232	524	301	279	304	422
14	664	774	1,019	1,621	2,544	2,484	1,210	506	291	275	309	395
15	577	774	985	1,642	2,565	2,444	1,172	498	290	275	305	392
16	585	765	1,018	1,688	2,581	2,385	1,146	495	285	276	307	384
17	579	792	1,044	1,709	2,608	2,344	1,112	483	284	283	317	386
18	654	902	1,108	1,739	2,643	2,302	1,084	481	282	280	334	378
19	617	903	1,096	1,780	2,684	2,262	1,050	479	276	279	472	372
20	574	892	1,087	1,826	2,683	2,228	1,024	465	275	281	417	369
21	584	830	1,124	1,865	2,683	2,195	988	446	276	280	370	377
22	684	801	1,108	1,897	2,690	2,164	956	428	275	277	382	409
23	693	794	1,110	1,909	2,677	2,120	939	419	274	277	367	547
24	701	794	1,119	1,926	2,685	2,060	937	405	273	276	387	494
25	930	817	1,161	1,949	2,707	2,004	900	395	291	274	386	493
26	891	817	1,193	1,983	2,752	1,939	875	382	333	281	364	468
27	748	823	1,226	2,006	2,761	1,895	856	381	306	286	380	504
28	708	812	1,232	2,048	2,764	1,846	827	383	289	287	374	478
29	626	878	1,232	2,064	2,780	1,794	794	383	294	287	362	457
30	605	-	1,235	2,097	2,771	1,742	771	379	289	293	395	499
31	667	-	1,273	-	2,760	-	740	372	-	299	-	451
TOTAL	18,084	21,708	32,963	50,336	78,858	70,506	36,578	15,826	9,269	8,828	10,032	14,176
MAXIMUM DAY	930	903	1,273	2,097	2,780	2,713	1,704	726	368	302	472	1,140
MINIMUM DAY	428	599	863	1,298	2,122	1,742	740	372	273	274	284	354
MEAN	583	768	1,063	1,678	2,544	2,350	1,180	511	309	285	334	457
TOTAL AC.FT.	35,870	43,058	65,381	99,841	156,412	139,846	72,551	31,390	18,394	17,510	19,899	28,117
WHOLE YEAR:-	TOTAL,	367,164	MAX.,	2,780	MIN.,	273	MEAN,	1,005	TOTAL AC.FT.,	728,259		

Year : 1996

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

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	345	441	614	1,018	1,615	2,196	1,299	502	263	236	245	285
2	344	429	633	1,005	1,650	2,219	1,225	469	257	236	258	278
3	344	452	609	994	1,628	2,218	1,205	472	257	229	252	303
4	350	459	626	998	1,698	2,238	1,188	475	265	240	253	315
5	353	463	699	1,050	1,698	2,184	1,085	434	257	230	258	318
6	363	480	675	1,108	1,712	2,151	1,043	426	259	229	255	322
7	362	492	648	1,209	1,704	2,409	988	433	257	232	260	308
8	370	523	620	1,199	1,707	2,324	980	421	249	233	257	307
9	372	541	668	1,214	1,868	2,255	953	391	250	236	259	310
10	365	554	633	1,271	1,897	2,305	898	384	247	231	263	304
11	364	550	648	1,186	1,846	2,293	853	369	247	229	263	310
12	369	560	661	1,180	1,905	2,297	834	384	244	229	266	312
13	373	573	622	1,213	2,002	2,271	841	367	237	231	269	316
14	389	552	672	1,249	1,947	2,210	833	351	229	229	272	319
15	369	534	694	1,177	1,941	2,097	796	343	235	230	271	319
16	376	569	689	1,217	1,906	1,975	739	359	239	233	269	326
17	361	594	706	1,285	2,061	1,853	738	340	231	235	269	323
18	372	608	728	1,270	2,147	1,811	722	326	229	241	276	312
19	382	597	790	1,302	2,141	1,720	710	321	220	246	281	318
20	388	591	813	1,328	2,073	1,619	702	312	221	245	283	318
21	386	575	879	1,411	2,011	1,634	692	306	229	240	268	310
22	388	572	843	1,425	2,028	1,625	641	299	223	236	275	312
23	383	573	876	1,437	2,040	1,606	611	312	218	237	284	336
24	405	579	871	1,484	2,086	1,545	605	308	212	237	283	328
25	388	599	921	1,478	2,111	1,468	602	299	211	236	290	334
26	392	599	989	1,557	2,073	1,439	576	285	222	243	285	321
27	391	618	999	1,505	2,162	1,369	559	305	222	250	276	325
28	403	636	992	1,511	2,193	1,335	532	280	217	248	274	338
29	403	642	952	1,490	2,284	1,348	518	281	218	249	281	327
30	422	-	973	1,540	2,250	1,296	520	280	231	242	282	338
31	437	-	1,003	-	2,243	-	483	287	-	246	-	350
TOTAL	11,709	15,469	23,746	38,311	60,627	57,310	24,971	11,121	7,096	7,344	8,077	9,842
MAXIMUM DAY	437	642	1,003	1,557	2,284	2,409	1,299	502	265	250	290	350
MINIMUM DAY	344	429	609	994	1,615	1,296	483	280	211	229	245	278
MEAN	378	548	766	1,277	1,956	1,910	806	359	237	237	269	317
TOTAL AC.FT.	23,224	30,682	47,099	75,989	120,252	113,673	49,529	22,058	14,075	14,567	16,020	19,521
WHOLE YEAR:-	TOTAL,	275,623	MAX.,	2,409	MIN.,	211	MEAN,	755	TOTAL AC.FT.,	546,689		

## KERN RIVER REGULATED FLOW AT FIRST POINT OF MEASUREMENT (1954 to Date) RECAPITULATION IN ACRE-FEET

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1954	22,019	30,361	44,575	79,089	80,539	81,189	61,059	39,830	22,114	14,450	17,500	17,595	510,320
1955	19,795	22,058	34,671	38,874	48,188	72,196	43,259	25,065	12,936	10,399	13,599	26,743	367,783
1956	41,377	40,326	62,779	49,291	94,887	115,428	124,007	99,489	52,098	42,294	16,990	16,534	755,500
1957	17,958	22,425	34,935	39,677	52,885	96,466	70,175	39,943	22,471	17,282	17,847	17,847	445,859
1958	19,137	28,175	42,125	78,472	131,421	181,305	187,890	143,722	61,519	49,825	25,095	18,825	967,511
1959	20,811	20,991	37,767	29,936	27,463	94,028	59,817	26,699	10,524	8,700	9,786	10,643	353,165
1960	12,516	17,405	24,044	25,041	47,966	81,481	38,991	26,366	13,154	10,483	13,803	12,798	324,088
1961	11,280	10,736	14,017	16,318	16,780	112,437	113,318	21,316	13,404	7,267	9,281	12,121	177,063
1962	13,121	27,435	44,838	95,445	87,167	80,063	127,710	40,778	26,164	22,623	12,448	12,054	607,848
1963	12,067	24,175	32,959	38,914	54,756	80,063	71,078	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	31,323	10,989	10,989	8,852	14,259	22,879	361,624
1965	35,784	35,907	41,383	39,389	61,313	85,934	66,236	75,497	52,397	47,220	34,356	28,877	634,303
1966	29,978	22,752	50,933	44,634	37,289	67,486	68,338	51,110	19,535	14,739	15,265	82,447	504,506
1967	146,180	40,516	57,923	82,732	190,249	200,743	183,566	240,154	146,509	85,002	56,799	35,482	1,465,855
1968	33,088	36,284	44,904	45,035	52,156	88,046	82,937	56,584	13,656	13,896	16,365	14,085	497,028
1969	50,499	106,247	237,265	378,817	332,015	374,787	263,903	221,738	121,359	102,494	90,523	34,122	2,313,769
1970	42,299	32,206	52,489	60,101	53,698	86,904	94,112	88,421	35,667	21,285	18,228	15,844	601,254
1971	25,978	35,520	48,589	30,809	31,960	57,322	82,128	64,643	23,520	12,184	12,839	17,169	442,651
1972	19,527	22,094	32,130	29,760	32,410	44,965	47,996	102,286	47,883	29,457	24,811	16,524	311,291
1973	21,356	26,214	38,878	66,541	97,172	143,554	161,028	102,660	47,883	54,365	37,085	23,137	745,903
1974	35,447	45,969	49,248	47,151	57,477	96,807	120,476	109,093	69,648	34,139	15,108	15,213	572,091
1975	21,221	34,844	45,041	38,444	57,142	95,197	108,932	89,738	21,828	19,440	12,946	11,341	320,784
1976	14,690	19,008	31,789	23,609	28,901	52,300	54,190	30,742	8,765	7,660	8,287	14,773	200,702
1977	14,051	14,380	15,925	18,778	17,431	25,813	32,951	21,888	73,234	93,098	70,927	30,458	1,390,675
1978	26,132	50,285	49,222	149,450	266,073	236,549	126,343	107,605	32,267	22,792	18,855	18,909	656,068
1979	32,549	31,793	45,903	46,508	62,557	109,987	238,716	200,338	106,516	82,893	61,644	28,838	1,560,652
1980	55,976	81,590	157,503	185,089	167,415	194,134	239,706	200,338	106,516	82,893	61,644	28,838	1,560,652
1981	25,482	27,013	40,594	41,768	46,348	78,405	80,906	51,310	14,315	14,324	18,426	21,578	460,469
1982	30,363	43,374	49,110	57,060	86,469	155,508	166,492	156,341	88,411	104,122	101,403	82,435	1,121,088
1983	57,566	71,165	152,862	286,605	370,706	419,760	387,505	176,194	153,814	117,233	97,616	90,549	2,381,575
1984	84,280	96,998	68,614	49,793	67,327	89,409	110,785	96,734	43,180	41,726	37,420	47,770	834,036
1985	40,133	48,686	53,821	56,358	72,506	98,757	111,385	77,728	34,973	25,305	20,333	28,986	668,971
1986	31,277	39,039	95,946	172,221	205,204	233,197	193,767	141,114	67,569	82,792	45,227	24,208	1,331,561
1987	24,117	28,919	43,408	44,894	43,609	68,424	73,047	42,545	18,589	15,824	14,269	14,664	432,309
1988	20,793	26,906	35,036	33,769	31,815	50,995	60,458	28,346	13,529	9,025	10,318	14,483	335,473
1989	16,869	21,568	32,092	38,575	39,632	56,527	55,765	36,204	14,241	12,773	10,788	13,739	348,773
1990	12,926	16,124	25,071	24,422	25,454	30,030	31,129	21,519	6,885	8,979	8,037	8,925	219,501
1991	10,627	9,112	27,814	28,937	30,539	62,997	63,654	48,196	12,490	11,353	13,381	14,394	333,494
1992	13,593	20,711	25,451	25,777	33,548	38,600	40,967	31,928	10,195	7,789	10,383	13,880	272,822
1993	22,062	25,426	52,479	45,489	63,322	107,357	118,677	88,671	51,846	34,725	14,021	16,264	642,339
1994	19,622	28,720	41,819	41,256	35,411	69,470	75,175	53,484	16,072	13,745	12,060	15,527	422,361
1995	19,839	20,858	57,225	113,865	136,034	186,960	195,546	205,924	102,593	71,157	57,106	27,993	1,197,100
1996	28,994	34,576	47,226	59,046	148,419	153,050	147,913	113,232	64,770	43,593	45,201	82,016	968,036
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	1,273,735	1,460,043	2,248,935	2,925,234	3,654,134	4,870,156	4,796,136	3,616,650	1,845,696	1,505,341	1,200,217	1,123,292	30,519,569
AcFt AVERAGE	29,622	33,954	52,301	68,029	84,980	113,259	111,538	84,108	42,923	35,008	27,912	26,123	709,757
S.F.D. AVERAGE	482	606	851	1,382	1,382	1,903	1,814	1,368	721	569	469	425	980
% OF TOTAL	4.17%	4.78%	7.37%	9.59%	11.97%	15.96%	15.72%	11.85%	6.05%	4.93%	3.93%	3.68%	100.00%

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

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1996

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	433	515	773	965	1293	1531	1911	1568	904	665	476	449
2	439	523	759	985	1307	1580	1858	1545	882	678	468	418
3	439	528	762	991	1302	1641	1864	1570	863	667	464	402
4	449	528	777	991	1337	1698	1827	1564	856	656	465	408
5	452	527	776	1002	1337	1734	1855	1579	834	649	468	422
6	453	538	778	997	1338	1760	1876	1584	811	675	472	510
7	459	534	789	1021	1330	1799	1894	1547	787	642	466	426
8	459	540	788	1060	1359	1823	1918	1527	767	626	467	413
9	450	652	783	1097	1366	1838	1921	1544	747	628	468	409
10	440	627	812	1120	1367	1862	1911	1545	734	617	472	405
11	436	578	846	1136	1353	1883	1891	1535	724	595	484	402
12	441	572	816	1148	1365	1906	1889	1504	710	561	479	407
13	451	586	833	1148	1365	1924	1880	1483	705	558	482	402
14	455	588	829	1152	1356	1957	1892	1457	700	554	470	398
15	456	605	851	1171	1334	1961	1890	1440	694	544	467	404
16	480	597	857	1180	1339	1983	1870	1428	694	535	471	397
17	478	591	864	1185	1340	2035	1837	1399	686	522	476	404
18	483	602	853	1188	1354	2050	1803	1409	674	529	468	425
19	484	614	852	1204	1373	2059	1797	1377	663	529	469	424
20	481	660	868	1196	1410	2033	1758	1341	659	534	469	421
21	480	654	885	1191	1421	2047	1788	1304	655	539	472	419
22	483	654	891	1200	1427	2062	1767	1249	655	531	464	423
23	494	664	905	1213	1435	2041	1767	1227	660	532	450	424
24	536	685	915	1227	1434	2060	1751	1207	660	525	434	436
25	559	681	913	1235	1431	2049	1733	1175	661	525	455	436
26	584	686	921	1244	1417	2027	1728	1133	658	518	468	435
27	568	699	932	1261	1425	1955	1714	1108	652	512	474	449
28	542	713	931	1256	1430	1927	1691	1079	649	507	481	448
29	521	696	919	1257	1455	1949	1674	1038	659	509	474	443
30	520	-	940	1277	1497	1927	1658	990	637	503	479	448
31	530	-	950	-	1547	-	1621	948	-	485	-	464
TOTAL	14,935	17,119	26,368	34,298	42,844	57,101	56,234	42,404	21,640	17,650	14,072	13,171
MAXIMUM 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
MINIMUM INSTAN.	111	67	143	181	223	215	349	84	64	40	66	22
MEAN	482	606	851	1,143	1,357	1,903	1,814	1,368	721	569	469	425
TOTAL AC.FT.	29,622	33,954	52,301	68,029	84,980	113,259	111,538	84,108	42,923	35,008	27,912	26,123
WHOLE YEAR:-	TOTAL,	357,836	MAX.,	9,289	MIN.,	22	MEAN,	980	TOTAL AC.FT.,	709,757		

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

Quantities in acre—feet

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
1954	-	-	-	4,038	2,977	1,479	3,897	2,559	514	626	966	1,870	-
1955	2,358	1,921	1,821	2,386	1,390	3,298	1,929	402	(314)	551	1,065	2,524	19,331
1956	5,828	1,732	2,448	2,860	2,366	1,406	2,347	3,061	1,119	5,799	1,356	1,452	31,774
1957	2,114	886	1,097	169	1,251	397	918	1,114	(369)	48	743	1,057	9,425
1958	1,494	2,918	6,644	14,550	4,681	(801)	(4,348)	5,125	1,735	222	1,168	1,289	34,677
1959	1,299	1,068	1,544	1,073	540	(936)	3,318	1,119	(383)	(880)	438	797	7,997
1960	1,071	2,739	1,633	1,581	92	1,601	1,311	1,559	149	502	1,060	1,099	14,397
1961	815	757	914	971	787	126	264	814	734	257	673	1,196	8,308
1962	1,085	6,284	5,125	7,050	4,778	2,709	2,271	1,753	633	1,041	835	816	34,380
1963	1,005	2,190	1,900	1,827	3,826	1,339	2,855	4,520	2,424	2,710	2,045	1,936	28,577
1964	1,692	472	2,378	3,237	1,275	2,408	1,793	577	346	432	926	2,729	18,265
1965	3,172	1,460	2,608	4,776	811	(367)	151	(2,100)	(46)	1,941	1,036	2,285	15,727
1966	2,286	997	1,303	2,095	803	(63)	1,229	1,932	(58)	1,214	1,740	14,810	28,288
1967	3,856	3,320	3,094	3,945	1,998	7,531	5,736	10,549	1,517	1,296	2,619	2,698	48,149
1968	1,870	1,300	1,400	1,224	1,383	1,757	2,220	1,993	418	936	1,687	2,428	18,616
1969	19,079	17,945	23,687	40,391	20,394	11,054	18,659	17,163	5,750	2,480	2,457	3,381	182,440
1970	4,742	2,450	3,028	1,168	186	2,916	869	1,434	739	655	2,794	1,814	22,795
1971	2,309	1,547	1,202	1,459	2,154	1,500	808	707	211	156	785	1,833	14,671
1972	1,634	1,204	975	1,003	501	844	180	42	16	777	222	1,075	8,473
1973	3,146	4,182	7,686	7,394	6,123	3,811	1,882	3,879	4,168	1,982	1,890	2,699	48,842
1974	4,393	2,003	5,145	6,054	1,704	1,011	817	2,357	3,055	2,717	2,303	2,894	34,453
1975	704	1,299	2,925	2,641	4,023	2,265	1,565	55	699	497	189	746	17,608
1976	1,646	1,503	1,373	1,562	386	1,675	833	821	1,914	1,679	1,172	1,120	15,684
1977	1,174	1,652	1,844	954	1,124	1,087	622	1,001	683	184	260	2,130	12,715
1978	4,577	26,353	12,041	11,512	11,745	4,945	7,597	736	2,682	1,438	2,039	1,656	87,321
1979	1,724	3,158	5,330	2,675	1,718	494	(415)	234	516	1,428	476	1,544	18,882
1980	6,814	9,429	8,860	7,525	3,543	7,595	9,802	8,239	(86)	2	(58)	1,426	63,091
1981	2,861	1,313	2,041	1,858	1,129	140	148	1,786	958	764	459	1,798	15,255
1982	3,805	3,501	7,352	10,277	1,973	3,885	5,471	3,876	1,128	1,256	1,897	4,141	48,562
1983	6,887	17,322	37,912	24,107	12,710	4,711	3,097	2,414	7,454	6,473	5,718	9,390	138,195
1984	7,549	5,329	5,418	3,381	2,701	2,213	4,495	3,970	1,434	328	1,460	3,897	42,175
1985	3,759	3,640	3,865	2,714	(625)	(593)	2,697	517	279	1,497	2,264	3,501	23,515
1986	3,734	6,350	8,619	9,540	9,416	13,375	13,999	11,019	2,280	2,850	2,957	2,192	86,331
1987	3,123	2,239	3,822	738	2,535	1,611	1,486	1,149	696	901	418	669	19,387
1988	713	764	1,228	(51)	(15)	495	(485)	100	534	415	1,042	870	5,610
1989	551	962	3,415	1,188	2,049	1,464	(716)	671	(3)	376	150	973	11,080
1990	1,471	1,278	1,669	42	298	59	(1,580)	228	170	571	763	1,300	6,269
1991	1,351	683	3,099	2,983	849	(236)	376	662	(66)	(26)	1,205	1,429	12,309
1992	1,384	2,297	1,800	1,196	(294)	(288)	16	267	352	(222)	(433)	1,183	7,258
1993	3,131	3,757	4,177	2,110	(1,854)	(1,528)	(638)	(1,788)	366	903	308	1,019	9,982
1994	604	1,351	446	226	(1,152)	(367)	258	746	(89)	208	537	1,435	4,203
1995	4,978	2,805	10,025	5,664	10,025	11,210	10,055	11,347	1,380	2,463	1,784	3,132	74,868
1996	3,627	10,773	8,346	4,362	7,908	3,906	2,628	2,405	531	716	1,360	5,573	52,135
Max. Month	19,079	26,353	37,912	40,391	20,394	13,375	18,659	17,163	7,454	6,473	5,718	14,810	
Min. Month	551	472	446	(51)	(1,854)	(1,528)	(4,348)	(2,100)	(383)	(880)	(433)	669	
AcFt Totals	131,415	165,133	211,239	206,455	130,202	101,148	110,417	110,013	46,170	50,163	54,775	103,796	1,420,926
AcFt Ave.	3,129	3,932	5,030	4,801	3,028	2,352	2,568	2,558	1,074	1,167	1,274	2,414	
SFD Ave.	51	70	82	81	49	40	42	42	18	19	21	39	

Year: 1996

Isabella Reservoir Daily Mean Storage (1954-1996)

MIDNIGHT STORAGE IN ACRE-FEET

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	147,390	156,515	168,343	181,949	209,771	277,824	296,349	252,385	198,578	173,114	153,817	145,350
2	147,372	156,894	168,851	182,732	211,291	280,024	295,805	250,681	197,473	172,301	153,406	145,234
3	147,317	157,009	169,291	183,428	212,808	282,069	295,191	248,845	196,353	171,519	153,010	145,300
4	147,301	157,108	169,858	184,063	214,415	283,950	294,587	246,979	195,265	170,734	152,608	145,272
5	147,358	157,242	170,555	184,670	215,963	285,796	293,814	245,029	194,322	169,953	152,178	145,814
6	147,373	157,419	171,002	185,295	217,653	287,537	292,955	243,036	193,453	169,141	151,781	149,202
7	147,399	157,639	171,341	185,887	219,312	289,264	291,976	241,107	192,540	168,388	151,371	149,894
8	147,442	157,979	171,764	186,421	220,990	290,825	290,826	239,237	191,631	167,631	150,983	150,068
9	147,453	158,541	172,144	187,020	222,789	292,248	289,591	237,247	190,713	166,878	150,575	150,168
10	147,495	159,076	172,622	187,614	224,736	293,575	288,293	235,266	189,794	166,125	150,184	150,302
11	147,622	159,387	173,204	188,590	226,655	294,728	286,931	233,345	188,908	165,411	149,816	150,553
12	148,064	159,663	173,638	189,604	228,544	295,784	285,485	231,429	188,077	164,786	149,433	150,676
13	148,659	160,264	173,964	190,556	230,537	296,611	284,034	229,481	187,210	164,128	149,082	150,748
14	149,280	160,745	174,327	191,472	232,569	297,377	282,580	227,561	186,329	163,489	148,734	150,770
15	149,579	161,171	174,586	192,381	234,713	297,961	281,030	225,665	185,450	162,869	148,410	150,771
16	150,040	161,647	174,831	193,269	236,910	298,415	279,513	223,812	184,563	162,285	148,058	150,763
17	150,434	162,122	175,153	194,197	239,145	298,681	277,972	221,957	183,706	161,752	147,770	150,738
18	150,638	163,148	175,423	195,132	241,505	298,814	276,454	220,094	182,872	161,189	147,564	150,695
19	150,974	164,050	175,728	196,067	244,061	298,965	274,866	218,305	182,045	160,626	147,314	150,537
20	151,242	164,998	175,991	197,058	246,662	299,114	273,234	216,564	181,215	160,082	147,031	150,536
21	151,550	165,602	176,361	198,075	249,239	299,172	271,524	214,815	180,429	159,467	146,812	150,471
22	151,827	166,009	176,790	199,112	251,898	299,157	269,862	213,159	179,617	158,891	146,700	150,560
23	152,023	166,331	177,188	200,094	254,550	299,125	268,134	211,505	178,794	158,320	146,546	151,274
24	152,413	166,609	177,595	201,045	257,157	298,939	266,394	209,889	177,994	157,765	146,448	151,677
25	153,671	167,012	177,982	202,044	259,688	298,678	264,637	208,291	177,261	157,185	146,385	152,026
26	154,358	167,561	178,410	203,067	262,291	298,378	262,845	206,737	176,723	156,649	146,204	152,315
27	154,768	167,658	178,901	204,183	264,918	298,153	261,100	205,211	176,067	156,169	145,937	152,724
28	155,019	167,944	179,460	205,417	267,560	297,865	259,350	203,755	175,323	155,681	145,710	153,007
29	155,178	168,961	179,977	206,758	270,215	297,419	257,567	202,348	174,590	155,426	145,518	153,141
30	155,308	-	180,509	208,243	272,785	296,908	255,817	201,031	173,860	154,743	145,482	153,225
31	155,761	-	181,203	-	275,351	-	254,061	199,758	-	154,326	-	153,261
MAXIMUM DAY	155,761	186,961	181,203	208,243	275,351	299,172	296,349	252,385	198,578	173,114	153,817	153,261
MINIMUM DAY	147,301	156,515	168,343	181,949	209,771	277,824	254,061	199,758	173,860	154,326	145,482	145,234

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

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1949-50	0.05	0.65	1.32	1.37	2.60	1.02	0.44	0.00	0.00	0.23	0.11	0.21	8.00
1950-51	0.08	3.16	0.98	1.12	0.18	0.11	0.93	0.03	0.00	0.00	0.00	0.00	6.59
1951-52	0.35	0.47	4.77	5.52	0.37	3.26	0.12	0.00	0.00	0.00	0.00	0.11	14.97
1952-53	0.00	1.98	3.09	2.39	0.04	0.67	1.20	0.20	0.00	0.00	0.09	0.00	9.66
1953-54	0.13	0.90	0.78	1.88	2.26	2.13	0.06	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	0.05	0.20	6.05
1957-58	0.19	0.33	1.63	3.09	4.45	3.63	2.77	0.24	0.00	0.00	0.00	0.34	16.58
1958-59	0.17	0.48	0.02	0.64	1.54	0.08	0.45	0.07	0.00	0.00	0.00	0.00	3.79
1959-60	0.00	0.00	0.97	1.77	6.48	0.43	1.28	0.34	0.00	0.00	0.00	0.07	11.34
1960-61	0.12	1.26	0.12	0.50	0.01	1.59	0.51	0.16	0.11	0.02	1.20	0.00	5.60
1961-62	0.00	2.15	0.79	2.55	5.35	1.26	0.00	0.08	0.00	0.00	0.00	0.00	12.18
1962-63	0.03	0.00	0.00	1.52	3.06	2.06	1.07	0.13	0.72	0.00	1.16	0.00	10.91
1963-64	2.02	1.20	0.46	0.97	0.07	1.93	0.84	0.10	0.03	0.00	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	2.75	0.00	0.00	0.00	0.23	0.00	7.56
1966-67	0.00	1.09	11.53	2.49	0.02	0.63	0.77	0.18	0.24	0.30	0.01	1.63	21.09
1967-68	0.00	1.41	1.85	0.82	0.85	1.55	0.77	0.01	0.00	0.01	0.11	0.00	7.38
1968-69	0.35	1.28	1.65	9.56	6.12	1.14	0.95	0.35	0.34	0.27	0.00	0.10	22.11
1969-70	0.07	0.56	0.24	3.91	0.54	1.89	0.43	0.00	0.00	0.02	0.01	0.00	7.67
1970-71	0.04	3.47	2.20	0.54	0.37	0.45	0.66	0.89	0.00	0.06	0.54	0.00	9.22
1971-72	0.05	0.47	3.04	0.00	0.39	0.00	0.37	0.05	0.00	0.00	0.34	0.03	5.54
1972-73	0.66	3.13	2.48	3.96	2.57	2.65	0.25	0.25	0.00	0.00	0.00	0.00	15.95
1973-74	0.11	1.26	1.25	2.75	0.09	2.00	1.95	0.39	0.00	0.78	0.00	0.00	10.58
1974-75	2.30	0.10	2.41	0.65	1.82	2.77	0.49	0.04	0.00	0.00	0.03	1.85	12.46
1975-76	0.41	0.22	0.07	0.02	1.25	1.61	0.86	0.05	0.00	0.41	0.00	0.00	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	0.00	0.63	0.15	12.25
1984-85	0.62	2.90	1.93	0.68	1.16	1.71	0.03	0.00	0.00	0.00	0.00	0.00	9.18
1985-86	0.10	2.27	1.43	2.94	3.58	3.58	0.10	0.00	0.00	0.38	0.00	0.27	14.65
1986-87	0.24	0.54	0.27	2.65	2.03	1.88	0.10	0.42	0.00	0.00	0.00	0.00	8.65
1987-88	0.62	1.36	3.15	1.80	0.40	0.24	1.41	0.50	0.05	0.51	0.00	0.00	7.76
1988-89	0.00	1.75	3.15	0.29	2.24	2.28	0.09	0.04	0.00	0.00	0.00	0.35	10.46
1989-90	0.11	0.30	0.00	1.33	1.00	0.67	0.44	0.26	0.02	0.00	0.00	0.00	4.48
1990-91	0.01	0.61	0.74	0.99	1.17	6.43	0.03	0.09	0.00	0.00	0.01	0.19	10.27
1991-92	0.53	1.30	1.45	1.02	3.10	1.82	0.00	0.12	0.00	0.00	0.00	0.00	9.34
1992-93	0.94	0.00	2.80	4.09	4.15	0.79	0.00	0.00	0.64	0.00	0.00	0.00	13.41
1993-94	0.12	1.52	1.60	0.66	3.10	0.76	0.87	0.19	0.00	0.00	0.00	0.25	9.07
1994-95	0.31	1.45	0.71	7.26	1.35	3.83	0.38	0.55	0.40	0.00	0.51	0.00	16.75
1995-96	0.00	0.00	1.79	4.36	5.03	1.47	0.53	0.00	0.00	0.00	0.00	0.00	13.18
<b>AVERAGE</b>	0.33	1.16	1.84	2.45	2.04	1.76	0.70	0.22	0.89	0.12	0.18	0.34	11.24
<b>MAXIMUM</b>	2.30	3.49	11.53	9.56	6.96	6.43	2.77	1.03	0.80	2.01	1.20	5.20	24.34
<b>DAILY MAXIMUM</b>	0.96	2.85	5.20	2.40	3.40	1.72	1.45	0.75	0.50	0.88	1.01	3.09	
<b>DATE OF OCCURRENCE</b>	10/17/63	11/20/50	12/05/66	01/16/96	02/01/60	03/04/91	04/02/74	05/19/57	06/08/72	07/16/84	08/08/63	09/30/76	

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

Year	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Annual
1956	46.6	43.7	52.5	55.6	65.0	74.0	79.8	76.2	74.7	59.1	53.7	46.8	60.6
1957	40.6	52.5	52.0	58.1	62.8	77.3	81.9	78.4	73.5	59.3	49.8	46.9	61.1
1958	46.3	49.3	47.6	56.1	68.7	72.2	79.7	82.8	74.9	67.3	52.1	50.8	62.3
1959	47.6	46.1	56.5	64.1	62.8	77.2	86.4	79.9	70.7	65.4	55.6	47.3	63.3
1960	41.7	45.8	55.6	57.2	63.6	79.8	83.0	80.0	76.0	61.6	50.9	45.3	61.7
1961	48.0	50.0	50.7	59.5	62.0	79.4	84.5	81.3	71.2	62.3	49.6	44.7	61.9
1962	44.7	46.4	48.0	61.3	60.9	73.4	79.6	79.0	74.4	63.2	53.0	47.8	61.0
1963	44.0	52.7	48.6	50.2	63.5	68.2	76.7	76.1	74.3	62.7	51.0	46.1	59.5
1964	43.3	44.8	47.2	53.6	60.6	70.5	79.4	78.8	70.1	66.8	48.6	47.2	59.2
1965	46.1	47.9	49.6	54.1	60.7	67.1	77.3	76.8	66.5	64.4	51.8	43.6	58.8
1966	41.9	43.8	52.4	60.7	68.0	73.3	77.8	79.5	72.4	62.2	51.2	44.4	60.6
1967	44.4	47.9	50.9	45.4	62.6	69.2	80.9	82.1	72.3	63.9	56.4	39.7	59.6
1968	42.8	42.4	52.2	53.0	63.6	74.4	80.6	74.8	71.9	57.6	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	60.1	53.3	45.0	59.3
1970	45.6	44.8	49.9	51.0	65.8	72.7	81.6	80.1	69.6	56.4	52.4	41.3	60.0
1971	43.4	44.8	50.6	52.5	65.3	70.7	79.7	76.1	68.2	56.8	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	45.2	62.2	72.5	76.6	76.2	74.2	61.4	50.0	41.0	58.4
1975	43.1	43.6	45.7	51.7	60.7	71.2	75.9	73.6	72.4	57.6	48.7	45.1	56.9
1976	44.2	45.7	47.4	50.6	65.7	71.2	77.5	70.5	68.3	60.3	53.6	44.5	58.3
1977	42.8	48.4	43.8	57.5	55.4	74.0	77.6	77.2	70.0	62.3	51.1	47.3	59.0
1978	44.3	46.1	53.1	50.9	60.4	71.7	76.7	76.8	67.6	65.3	47.2	39.7	58.3
1979	40.7	41.7	48.5	60.6	63.2	71.4	75.9	72.6	74.0	61.8	50.0	48.4	59.1
1980	47.5	49.1	46.5	57.7	63.2	66.8	77.8	75.3	69.2	56.9	52.4	49.0	59.1
1981	48.3	49.5	47.7	57.0	63.6	76.0	79.1	79.7	73.2	56.9	52.9	47.1	60.9
1982	41.8	47.8	47.4	52.5	63.6	68.6	75.6	77.1	68.5	59.2	48.6	43.2	57.8
1983	45.2	47.2	48.5	49.9	61.4	69.2	73.0	75.7	74.0	61.3	50.2	46.1	58.5
1984	47.0	46.6	51.4	52.6	67.3	70.6	80.9	78.2	74.6	55.7	48.3	41.9	59.6
1985	43.2	45.7	46.5	59.3	62.9	75.1	79.9	75.3	65.1	59.0	47.0	44.5	58.6
1986	49.7	49.0	53.5	54.9	63.5	73.7	75.7	78.6	64.1	58.2	51.0	43.0	59.6
1987	38.9	45.9	47.5	59.0	63.2	73.8	72.6	76.5	69.6	64.4	48.6	38.8	58.2
1988	42.3	48.5	50.8	55.1	59.6	70.3	80.2	77.9	72.5	66.1	50.3	43.1	59.7
1989	41.8	43.4	52.7	61.7	63.0	72.1	78.4	74.3	68.4	58.6	51.8	44.2	59.2
1990	42.5	42.6	50.7	57.9	61.7	71.9	80.1	74.9	69.6	62.7	49.4	37.4	58.5
1991	42.7	50.8	43.6	62.5	56.7	71.0	82.1	77.2	77.2	67.6	53.4	45.2	59.9
1992	43.4	49.2	52.4	62.5	71.7	73.3	79.1	81.3	74.5	64.8	51.3	42.0	62.1
1993	42.5	45.5	54.9	56.8	65.3	70.5	76.7	77.0	72.5	62.7	50.9	43.2	59.9
1994	46.5	45.6	54.7	58.1	66.8	79.6	86.8	85.5	76.7	64.8	48.0	46.1	63.3
1995	45.2	56.1	53.8	56.2	61.4	71.4	81.7	81.7	76.9	68.5	60.8	48.5	63.5
1996	47.1	48.8	52.7	58.8	64.7	74.1	82.3	82.0	73.4	61.2	52.7	48.1	62.2
Normal	44.0	47.2	50.1	55.4	63.1	72.6	79.2	77.8	71.7	61.8	51.0	44.3	59.9
Maximum	49.7	56.1	56.5	64.1	71.7	79.8	86.8	85.5	77.2	68.5	60.8	50.8	63.5
Minimum	38.9	41.7	42.8	45.4	55.4	66.8	72.6	70.5	64.1	55.7	45.7	37.4	56.9

# PAN EVAPORATION AT ISABELLA DAM & RESERVOIR

OCTOBER 1953 TO DATE

(In Inches)

WATER YEAR	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
1953-54	5.98	3.42	1.92	1.77	1.93	3.19	6.93	10.60	11.82	14.48	11.94	9.21	83.19
1954-55	6.57	3.03	2.02	1.24	2.52	5.05	5.94	8.93	11.76	13.92	13.67	9.66	84.31
1955-56	6.67	3.24	1.58	1.52	2.60	5.30	5.70	8.87	11.91	12.37	11.84	9.57	81.17
1956-57	4.93	3.99	2.29	1.83	2.46	4.40	6.60	7.53	12.51	13.76	12.90	9.18	82.38
1957-58	4.74	3.27	2.14	2.08	1.93	2.73	5.97	9.46	10.68	12.56	11.87	8.64	76.07
1958-59	6.54	3.03	2.60	2.36	2.13	5.95	7.98	9.73	13.56	15.53	13.76	9.03	92.20
1959-60	6.57	4.05	2.67	1.49	2.10	5.08	6.39	8.46	13.14	13.14	12.99	9.54	85.59
1960-61	5.43	2.34	2.02	2.60	3.05	4.28	7.20	8.99	13.65	15.41	10.39	9.06	84.42
1961-62	6.42	3.18	1.80	2.28	1.65	3.47	7.29	8.49	12.03	13.33	12.56	9.30	81.80
1962-63	5.55	3.00	2.70	2.82	2.74	4.46	4.38	8.31	10.74	14.32	12.03	7.89	78.94
1963-64	4.59	2.40	2.08	2.26	3.11	4.37	6.51	8.93	11.88	13.95	12.68	9.30	82.06
1964-65	6.54	2.58	2.02	1.83	2.97	4.74	8.90	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	12.51	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	5.49	8.04	13.86	15.68	18.45	15.41	8.88	101.78
1976-77	6.17	3.72	2.76	2.14	3.75	5.49	10.05	9.36	15.03	18.45	14.82	8.76	103.85
1977-78	7.56	4.47	2.70	1.77	2.55	4.34	6.15	12.21	15.36	16.34	14.82	10.98	96.25
1978-79	7.56	3.24	1.67	2.14	2.18	4.37	7.83	11.87	15.08	15.97	13.36	9.78	87.08
1979-80	6.14	3.42	2.39	2.05	2.63	4.22	7.23	8.46	12.39	14.23	14.14	11.34	104.92
1980-81	6.96	4.05	2.82	2.39	3.11	3.94	7.98	11.56	17.16	17.92	15.69	8.28	87.47
1981-82	5.55	3.66	2.36	2.08	3.06	3.66	6.84	11.19	12.15	15.28	13.36	8.28	87.47
1982-83	5.77	2.70	1.80	2.11	2.10	3.78	5.67	10.91	13.32	14.32	10.11	9.81	82.40
1983-84	5.30	2.43	1.86	2.82	3.22	5.83	7.71	13.61	14.22	13.14	12.06	10.20	92.40
1984-85	5.95	2.73	1.92	2.26	3.00	4.56	8.76	12.43	15.18	16.03	14.76	8.79	96.37
1985-86	6.42	3.09	1.74	2.51	2.60	6.31	8.31	12.28	14.82	15.56	15.25	9.60	96.74
1986-87	5.98	3.81	2.11	1.83	3.30	4.46	8.52	10.45	14.19	15.59	15.31	10.74	96.29
1987-88	6.85	3.18	1.77	2.29	3.67	6.94	7.56	10.45	12.38	15.25	12.74	9.84	92.92
1988-89	6.73	3.24	1.95	2.23	2.74	6.01	9.90	12.43	14.94	18.07	14.88	9.93	103.05
1989-90	6.54	4.38	2.98	2.60	2.97	5.80	8.73	12.25	15.36	17.48	14.85	10.95	104.89
1990-91	8.40	4.02	2.54	2.48	3.84	3.75	7.98	10.35	12.96	14.07	12.65	9.60	92.64
1991-92	6.48	5.61	4.71	4.25	4.37	5.86	9.45	11.56	12.36	14.14	14.20	10.53	104.48
1992-93	6.48	4.32	4.37	3.64	4.34	4.99	7.92	10.79	12.15	14.57	13.18	9.66	96.41
1993-94	6.12	3.83	1.98	2.33	2.51	5.44	7.35	9.99	14.93	15.80	14.96	9.75	94.99
1994-95	6.06	2.95	1.94	1.34	3.09	5.83	5.83	6.64	11.12	14.96	14.20	11.02	82.74
1995-96	7.75	4.31	2.43	2.65	1.96	5.20	9.14	12.78	14.88	15.78	14.03	10.50	101.41
MEAN	6.25	3.36	2.17	2.22	2.80	4.68	7.14	10.37	13.16	14.82	13.31	9.68	89.96

## 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	2,263	4,728	1,728	1,087	684	29,258
1960	323	466	1,099	1,505	2,287	3,372	2,720	2,128	1,379	783	341	280	16,683
1961	315	319	419	780	1,158	2,178	2,204	1,200	930	647	329	168	10,647
1962	188	182	446	1,105	2,307	4,128	4,840	4,084	2,880	1,684	916	770	23,530
1963	694	930	1,523	1,577	3,503	5,534	8,202	6,696	4,136	2,289	1,172	962	37,218
1964	916	1,105	1,418	2,162	3,221	4,584	4,842	3,915	2,836	2,057	849	635	28,540
1965	595	857	1,053	1,368	3,251	4,757	5,986	5,397	4,169	3,088	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	41,288
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	1,896	4,334	6,486	8,916	9,046	5,911	3,560	1,968	980	45,760
1970	885	1,289	1,935	2,593	4,954	6,051	6,959	6,376	4,597	3,010	1,623	619	40,891
1971	700	990	1,836	2,277	3,181	5,337	6,227	5,233	3,678	2,370	1,304	545	33,678
1972	729	1,000	1,807	2,045	3,096	3,512	4,154	2,703	1,816	1,059	524	355	22,800
1973	434	496	760	1,738	4,009	7,698	9,126	7,109	5,530	3,564	1,981	966	43,411
1974	825	1,347	1,622	3,023	6,119	9,055	9,630	8,904	7,073	3,308	1,864	1,166	53,936
1975	1,174	1,002	1,476	2,162	4,911	8,206	8,936	7,488	4,985	2,957	1,845	1,125	46,169
1976	1,468	1,291	1,952	2,537	4,552	5,226	4,560	3,261	2,108	1,609	984	702	30,250
1977	466	700	968	1,761	1,765	3,289	3,757	2,495	1,795	1,216	726	428	19,366
1978	343	621	1,597	2,698	5,891	9,253	10,969	9,945	6,020	5,115	2,049	996	55,497
1979	1,069	954	1,896	3,701	6,337	9,080	9,535	7,242	5,710	3,306	1,866	1,246	51,942
1980	1,047	1,375	2,229	3,715	4,943	8,289	10,374	10,171	6,637	4,544	2,446	1,565	57,335
1981	1,154	1,317	1,619	3,386	5,371	8,644	8,660	6,966	5,028	2,582	1,747	1,067	47,541
1982	827	1,093	1,333	3,172	6,563	8,180	10,967	9,418	5,732	4,086	1,769	1,053	54,193
1983	1,097	1,057	2,182	3,235	5,905	9,255	10,645	7,630	7,337	3,814	1,656	1,188	55,001
1984	1,624	1,547	2,545	3,594	7,055	8,327	7,914	7,142	6,085	3,642	1,642	1,103	52,220
1985	1,139	1,287	1,749	3,894	6,375	8,622	9,025	7,650	4,441	3,287	1,577	885	49,931
1986	1,119	1,150	2,323	4,740	7,436	10,088	10,933	10,276	6,361	3,866	1,206	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	649	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	2,872	2,872	2,035	2,029	1,609	480	22,423
1991	409	547	635	1,587	4,568	5,171	5,171	4,026	2,951	2,315	1,789	1,434	28,106
1992	1,137	1,016	1,295	2,218	3,459	4,132	4,542	4,024	2,910	1,862	1,285	1,238	29,118
1993	970	1,081	1,365	2,888	5,185	7,057	9,080	8,063	5,808	3,652	2,291	1,139	48,579
1994	1,170	1,063	2,212	2,945	4,253	6,827	6,833	5,585	3,431	2,221	1,099	704	38,343
1995	462	1,016	1,444	2,614	3,447	6,952	10,701	10,151	7,525	5,177	2,698	1,402	53,589
1996	1,341	914	2,646	5,072	7,928	9,967	10,681	9,076	6,587	4,019	2,053	1,139	61,423
<b>Average</b>	<b>794</b>	<b>911</b>	<b>1,519</b>	<b>2,417</b>	<b>4,150</b>	<b>6,071</b>	<b>6,892</b>	<b>5,829</b>	<b>4,067</b>	<b>2,610</b>	<b>1,383</b>	<b>845</b>	<b>37,488</b>

**KERN RIVER OPERATIONS**

**1996**

## KERN RIVER IN REVIEW 1996

### Introduction

The start of the water year will be remembered as one of the warmest and driest in recent history. By mid-January of 1996, with Kern basin snowpack water content falling below 25% of normal, dry year contingencies were being readied. Beginning January 16, 1996, a marked improvement to water supply conditions was to develop, as a series of strong Pacific storms assaulted the Kern River watershed. By February 1, 1996, the Kern River runoff forecast had improved to 69% of normal. February precipitation approached 250% of normal throughout the basin, capped by a near record 24-hour rainfall total at Lake Isabella of 2.13 inches on the 19<sup>th</sup> of the month. April 1<sup>st</sup> snow survey measurements in the Kern basin indicated a basin-wide average water content of 21.4 inches, 124% of normal. Final statistics for the 1996 April-July snowmelt period revealed a total yield of 599,331 acre-feet (128% of normal) as computed at First Point of Measurement near Bakersfield.

### Precipitation

Monthly precipitation amounts in inches as recorded at selected Kern County stations during the 1995-1996 Water Year were as follows:

	Bakersfield-City (Elev. 403 ft.)			Isabella Dam (Elev. 2660 ft.)			Glennville (Elev. 3140 ft.)		
	<u>95-96</u>	<u>Ave.</u>	<u>% of Ave.</u>	<u>95-96</u>	<u>Ave.</u>	<u>% of Ave.</u>	<u>95-96</u>	<u>Ave.</u>	<u>% of Ave.</u>
Oct	0.03	0.32	9%	0.00	0.33	0%	0.00	0.75	0%
Nov	0.00	0.55	0%	0.00	1.16	0%	0.00	1.85	0%
Dec	1.16	0.81	143%	1.79	1.84	97%	2.97	2.96	100%
Jan	0.72	1.05	69%	4.36	2.45	178%	6.65	3.32	200%
Feb	2.78	1.02	273%	5.03	2.04	247%	7.83	2.99	262%
Mar	0.33	1.10	30%	1.47	1.71	86%	3.55	3.05	116%
Apr	0.15	0.59	25%	0.53	0.70	76%	1.13	2.06	55%
May	0.00	0.28	0%	0.00	0.22	0%	0.12	0.75	16%
Jun	0.00	0.08	0%	0.00	0.09	0%	0.00	0.18	0%
Jul	0.00	0.01	0%	0.00	0.12	0%	0.17	0.04	425%
Aug	0.00	0.03	0%	0.00	0.18	0%	0.00	0.10	0%
Sep	0.00	0.12	0%	0.00	0.34	0%	0.00	0.37	0%
<b>TOTAL</b>	<b>5.17</b>	<b>5.96</b>	<b>87%</b>	<b>13.18</b>	<b>11.19</b>	<b>118%</b>	<b>22.42</b>	<b>18.42</b>	<b>122%</b>

Extremely dry conditions prevailed throughout the months of October and November of 1995. The first major storm system of the new water year did not materialize until December 11, 1995, yielding approximately 80% of the monthly total. Distressing arid conditions continued throughout the southern Sierra until the middle of January when there was a dramatic shift in the weather patterns. The storm event of January 16, 1996 yielded 2.40 inches at Isabella, California, highest single day total ever recorded for the month of January dating back to 1949, setting the tone for the above normal rainfall season to follow.

Temperature

Isabella, California 1996, mean air temperatures (°F) with comparative averages were as follows:

	<u>1996 Actual</u>	<u>Normal</u>	<u>Variance from Norm</u>		<u>1996 Actual</u>	<u>Normal</u>	<u>Variance from Norm</u>
Jan	47.1	44.0	+3.1	Jul	82.3	79.2	+3.1
Feb	48.8	47.2	+1.6	Aug	82.0	77.8	+4.2
Mar	52.7	50.1	+2.6	Sep	73.4	71.7	+1.7
Apr	58.8	55.4	+3.4	Oct	61.2	61.8	- 0.6
May	64.7	63.1	+1.6	Nov	52.7	51.0	+1.7
Jun	74.1	72.6	+1.5	Dec	48.1	44.3	+3.8

Warm temperatures at Isabella, California were common throughout 1996. The mean annual temperature for 1996 was 62.2° Fahrenheit, 2.3° above average. Temperature extremes reached 106° on August 13<sup>th</sup> with the low of 24° occurring on February 28, 1996.

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, 1996, with April 1<sup>st</sup> historical average water contents of same shown for comparison:

	<u>Upper Tyndall Creek</u>	<u>Crabtree Meadow</u>	<u>Chagoopa Plateau</u>	<u>Pascoe</u>	<u>Wet Meadow</u>	<u>Tunnel Guard</u>	<u>Casa Vieja Meadow</u>	<u>Beach Meadows</u>
April 1, 1996	29.9	19.0	25.5	37.7	21.4	14.0	17.8	4.1
April 1, Average	27.7	19.8	21.8	24.9	30.3	15.6	20.9	11.0

Snowpack accumulation levels were virtually nonexistent until mid-December when storms generated approximately 50% of average water content for that time period. Baked by warm temperatures in early January (62° at Beach Meadow, elevation 7,650 feet), the already minimal snowpack had shrunk to alarmingly low levels. Starting the 16<sup>th</sup>, snow accumulation began a steady increase into early February, tapered off and then continued to climb, peaking by mid-March. Water content levels in the drainage basin were further bolstered by the storm event of April 16-17, 1996, which added nearly three inches of water to the upper elevations of the Kern.

Forecasts

The State of California, Department of Water Resources, issued the following forecasts of Kern River runoff into Isabella Reservoir for the 1996 April-July snowmelt period:

February 1, 1996:	69% of average (320,000 acre-feet)
March 1, 1996:	100% of average (460,000 acre-feet)
April 1, 1996:	115% of average (530,000 acre-feet)
May 1, 1996:	117% of average (540,000 acre-feet)

Warm and inordinately dry fall conditions throughout the Sierra Nevada mountain range, extending through mid-January, prompted forecasts of conceivable record low runoff. Above average snowpack accumulation during the last half of January and throughout February and March permitted the State to consistently increase the forecasted 1996 snowmelt runoff of the Kern River into Lake Isabella above earlier predictions.

Runoff

Actual 1996 April-July Kern River inflow to Isabella Reservoir was 580,237 acre-feet (126% of average). Peak inflow to the lake occurred on February 20, 1996 at 7,790 cubic feet per second. Calendar year runoff at First Point of Measurement equaled 1,038,261 acre-feet, 143% of the long-term average (728,259 acre-feet) and 190% of the historical median (546,689 acre-feet).

Isabella Storage

- MAXIMUM 1996 STORAGE = 546,849 Acre-Feet (June 11, 1996)
- MINIMUM 1996 STORAGE = 244,979 Acre-Feet (December 4, 1996)

A series of major storms beginning mid-November 1996 and continuing through the end of the year contributed to the 4<sup>th</sup> largest Isabella Reservoir carryover storage volume on record. Isabella Reservoir year end storage was 252,811 acre-feet, constituting 45% of the lake capacity and 165% of the average December 31<sup>st</sup> carryover storage figure of 153,261 acre-feet. On June 11, 1996 reservoir storage reached 546,849 acre-feet, the seventh highest peak storage volume on record. The following table summarizes the history of winter carryover storage levels at Lake Isabella:

**ISABELLA RESERVOIR  
DECEMBER 31<sup>st</sup> STORAGE  
In Order of Magnitude**

Rank	Year	Storage									
1	1966	313,258	12	1974	223,930	23	1987	143,410	34	1955	78,567
2	1983	311,944	13	1979	208,768	24	1956	130,313	35	1988	73,545
3	1982	261,558	14	1973	205,948	25	1968	124,480	36	1959	71,608
4	1996	252,811	15	1967	199,937	26	1971	122,040	37	1976	67,701
5	1995	246,474	16	1958	198,112	27	1964	118,303	38	1972	55,589
6	1984	244,979	17	1985	195,516	28	1994	115,585	39	1990	46,014
7	1978	244,904	18	1970	172,038	29	1957	101,413	40	1977	43,820
8	1986	244,085	19	1965	171,193	30	1991	89,654	41	1960	29,119
9	1993	242,525	20	1975	170,190	31	1989	85,978	42	1961	17,524
10	1980	229,813	21	1963	170,043	32	1962	82,849	43	1954	8,670
11	1969	225,535	22	1981	168,210	33	1992	82,262			

Operations

Kern River regulated flow during the 1996 calendar year amounted to 968,036 acre-feet, 136% of the 1954-1996 average regulated flow at First Point of Measurement of 709,757 acre-feet. Peak regulated flow during 1996 occurred on May 20<sup>th</sup>, with a mean daily discharge of 3,189 cubic feet per second.

The total water yield of the Kern River drainage basin and its surface storage reservoir in acre-feet during 1996 is summarized as follows:

Kern River Computed Natural Flow .....	1,038,261	+
Isabella Reservoir Storage .....	6,337	-
Isabella Reservoir Evaporation .....	61,423	-
Kern River Diversion Above First Point .....	2,465	-
Kern River Regulated Flow at First Point .....	968,036	=

The delivery of *Kern River* water to canal and conveyance facilities located below First Point of Measurement during 1996 was as follows:

<u>Delivery Point</u>	<u>Flow in Acre-Feet</u>
Beardsley Canal	307,588
Calloway Canal	87,105
Kern Island Canal	151,156
Eastside Canal	19,358
Stine Canal	40,072
Truxtun Lakes	5,995
Arvin-Edison Turnout	39,437
Buena Vista Canal	29,065
James Canal	14,928
Rosedale Channel	55,032
Pioneer Canal	7,161
Berrenda Mesa Spreading Grounds	2,242
Pioneer Property	15,739
Boswell Turnout	1,301
2800 Acre Recharge Facility	31,943
Second Point of Measurement	82,768
Seepage Loss (River & Carrier)	77,146

During 1996, 1,124,294 acre-feet of combined flow from the Kern River (968,036 AcFt), Friant-Kern Canal (105,943 AcFt), and Cross Valley Canal exclusive of Kern River (50,315 AcFt) was distributed under City of Bakersfield jurisdiction to meet the irrigation and spreading demands within the Kern River service area, including portions of the Kern River fan area. The Kern River Channel, utilized extensively throughout the year, absorbed 93,233 acre-feet of recharge and seepage quantities from Kern River, Friant-Kern and State water operations.

Combined operations of the 2800 Acre Recharge Facility, Pioneer Project, Berrenda Mesa Spreading Grounds and the Kern Water Bank have resulted in the elevation of groundwater in the Kern River fan area to its highest level since 1986.

Year: 1996

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	465	775	1,283	1,850	4,296	2,824	1,396	730	377	289	330	573
2	460	697	1,264	2,450	4,348	3,023	1,415	691	357	293	324	743
3	461	678	1,230	2,147	4,331	3,299	1,481	651	318	288	311	656
4	467	724	1,215	2,021	4,170	3,632	1,523	614	295	281	292	603
5	473	1,982	2,708	1,986	4,030	3,861	1,544	577	285	279	284	661
6	473	1,688	1,792	1,936	3,949	4,041	1,522	574	295	280	306	705
7	455	1,305	1,695	1,971	3,925	4,092	1,510	572	306	270	309	664
8	446	1,121	1,595	2,111	3,917	4,043	1,474	579	310	258	311	573
9	434	1,084	1,580	2,224	3,888	3,902	1,377	583	302	255	289	882
10	438	1,048	1,574	2,266	3,931	3,610	1,343	596	291	255	286	1,656
11	437	1,025	1,571	2,273	3,999	3,290	1,341	609	274	250	300	5,841
12	438	985	1,959	2,312	4,148	2,974	1,378	613	272	245	311	3,272
13	433	942	2,052	2,315	4,349	2,909	1,378	600	265	238	308	2,242
14	432	904	1,635	2,281	4,555	2,838	1,348	578	262	231	293	1,614
15	432	910	1,591	2,351	4,773	2,767	1,253	552	258	233	290	1,469
16	1,059	899	1,576	2,522	4,815	2,544	1,154	535	255	227	298	1,273
17	1,929	900	1,635	2,685	4,579	2,375	1,071	527	257	237	824	1,149
18	757	900	1,745	2,617	4,217	2,248	1,045	517	262	224	1,297	1,062
19	1,300	1,853	1,892	2,448	3,833	2,171	977	486	267	230	650	1,004
20	763	9,024	2,022	2,256	3,578	2,096	895	455	265	222	677	964
21	713	5,022	2,115	2,140	3,349	1,986	843	437	262	229	1,237	960
22	601	3,451	2,129	2,084	3,165	1,848	801	427	271	229	3,609	1,696
23	571	2,297	2,076	2,117	3,054	1,740	802	432	269	237	1,831	1,333
24	550	2,000	1,973	2,339	2,881	1,688	845	427	262	235	1,181	1,050
25	824	1,795	1,853	2,652	2,687	1,581	884	424	253	230	877	1,027
26	743	1,625	1,775	3,094	2,547	1,489	897	428	252	231	813	1,005
27	708	1,491	1,785	3,460	2,492	1,369	840	423	253	245	724	2,143
28	882	1,317	1,811	3,767	2,523	1,335	811	424	258	261	647	1,972
29	757	1,243	1,829	3,883	2,520	1,278	800	407	265	298	788	1,383
30	657	-	1,785	4,038	2,534	1,234	814	400	277	327	625	1,598
31	762	-	1,726	-	2,552	-	783	394	-	353	-	1,806
TOTAL	20,320	49,685	54,471	74,596	113,935	78,087	35,545	16,262	8,395	7,960	20,622	43,579
MAXIMUM DAY	1,929	9,024	2,708	4,038	4,815	4,092	1,544	730	377	353	3,609	5,841
MINIMUM DAY	432	678	1,215	1,850	2,492	1,234	783	394	252	222	284	573
MEAN	655	1,713	1,757	2,487	3,675	2,603	1,147	525	280	257	687	1,406
TOTAL AC.FT.	40,304	98,549	108,042	147,959	225,987	154,883	70,502	32,255	16,651	15,788	40,903	86,438
WHOLE YEAR:-	TOTAL,	523,457	MAX.,	9,024	MIN.,	222	MEAN,	1,430	TOTAL AC.FT.,	1,038,261		

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

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1996

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	336	505	855	1,227	3,841	2,185	1,001	609	314	240	285	450
2	323	444	840	1,917	3,957	2,521	1,072	590	307	238	285	430
3	321	464	821	1,516	3,926	2,940	1,147	566	303	238	279	406
4	319	496	829	1,433	3,649	3,248	1,190	541	301	233	279	396
5	317	1,496	1,595	1,390	3,553	3,612	1,126	509	302	231	277	418
6	315	1,368	1,417	1,402	3,551	3,818	1,118	482	298	229	268	616
7	314	1,018	1,319	1,471	3,518	3,732	1,101	466	290	224	264	507
8	311	899	1,284	1,596	3,459	3,759	1,062	451	285	221	268	464
9	311	834	1,176	1,736	3,277	3,579	1,034	437	272	219	274	485
10	310	779	1,091	1,745	3,232	3,446	990	416	269	218	274	885
11	306	693	1,107	1,697	3,476	2,898	1,110	430	253	217	277	5,600
12	307	683	1,141	1,673	3,613	2,537	1,178	420	254	216	274	2,906
13	307	690	1,177	1,619	3,943	2,437	1,216	466	254	219	265	1,639
14	308	683	1,077	1,601	4,205	2,434	1,237	449	262	223	255	1,262
15	302	673	1,017	1,655	4,248	2,332	1,162	423	266	223	252	1,052
16	459	665	1,041	1,851	4,717	2,179	1,055	415	263	223	246	958
17	841	675	1,089	2,185	3,944	1,978	968	432	258	222	835	912
18	470	665	1,226	2,192	3,678	1,794	874	410	256	222	912	852
19	635	793	1,409	1,846	3,327	1,712	813	385	252	222	511	797
20	474	5,317	1,525	1,657	3,049	1,717	760	370	248	227	521	763
21	443	2,978	1,559	1,544	2,926	1,641	734	357	243	230	924	730
22	404	2,019	1,631	1,493	2,748	1,498	719	348	237	231	3,234	927
23	377	1,439	1,564	1,531	2,593	1,392	709	335	238	232	1,467	963
24	385	1,323	1,407	1,682	2,406	1,411	704	344	237	235	937	846
25	434	1,173	1,326	2,052	1,977	1,339	725	350	236	262	767	828
26	415	1,016	1,253	2,534	1,763	1,195	742	366	237	257	664	799
27	419	911	1,233	3,050	1,819	1,070	704	348	235	248	572	1,775
28	471	879	1,399	3,250	1,850	935	679	336	233	250	524	1,533
29	432	875	1,330	3,381	1,862	869	670	321	230	255	500	1,147
30	409	-	1,227	3,557	1,946	901	681	312	230	293	440	1,242
31	432	-	1,210	-	1,967	-	647	304	-	285	-	1,514
<b>TOTAL</b>	<b>12,207</b>	<b>32,453</b>	<b>38,175</b>	<b>57,483</b>	<b>98,020</b>	<b>67,109</b>	<b>28,928</b>	<b>12,988</b>	<b>7,863</b>	<b>7,283</b>	<b>17,130</b>	<b>34,102</b>
<b>MAXIMUM DAY</b>	<b>841</b>	<b>5,317</b>	<b>1,631</b>	<b>3,557</b>	<b>4,717</b>	<b>3,818</b>	<b>1,237</b>	<b>609</b>	<b>314</b>	<b>293</b>	<b>3,234</b>	<b>5,600</b>
<b>MINIMUM DAY</b>	<b>302</b>	<b>444</b>	<b>821</b>	<b>1,227</b>	<b>1,763</b>	<b>869</b>	<b>647</b>	<b>304</b>	<b>230</b>	<b>216</b>	<b>246</b>	<b>396</b>
<b>MEAN</b>	<b>394</b>	<b>1,119</b>	<b>1,231</b>	<b>1,916</b>	<b>3,162</b>	<b>2,237</b>	<b>933</b>	<b>419</b>	<b>262</b>	<b>235</b>	<b>571</b>	<b>1,100</b>
<b>TOTAL AC.FT.</b>	<b>24,212</b>	<b>64,370</b>	<b>75,719</b>	<b>114,016</b>	<b>194,420</b>	<b>133,109</b>	<b>57,378</b>	<b>25,761</b>	<b>15,596</b>	<b>14,446</b>	<b>33,977</b>	<b>67,640</b>
<b>WHOLE YEAR:-</b>	<b>TOTAL,</b>	<b>413,741</b>	<b>MAX.,</b>	<b>5,600</b>	<b>MIN.,</b>	<b>216</b>	<b>MEAN,</b>	<b>1,130</b>	<b>TOTAL AC.FT.,</b>	<b>820,644</b>		

Year: 1996

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	445	499	708	841	1,562	2,309	2,284	2,116	1,119	834	316	2,077
2	448	486	741	858	1,764	2,374	2,369	2,028	1,157	813	340	1,430
3	453	481	734	839	1,786	2,536	2,498	1,965	1,215	806	345	647
4	457	488	759	762	1,708	2,577	2,573	1,912	1,240	763	319	591
5	452	531	823	745	1,742	2,651	2,631	1,930	1,278	695	338	586
6	448	537	784	683	1,848	2,790	2,629	2,120	1,258	677	411	421
7	453	511	764	764	1,934	2,885	2,627	2,177	1,158	773	455	311
8	445	487	746	943	1,971	2,827	2,662	2,055	1,146	869	507	317
9	452	484	733	1,044	1,998	2,811	2,634	2,036	1,169	933	497	683
10	446	481	725	1,107	2,017	2,844	2,609	2,102	1,153	991	513	743
11	445	475	719	1,051	1,908	2,873	2,658	2,123	1,143	1,017	522	958
12	448	473	789	1,055	1,900	2,908	2,544	2,045	1,192	958	511	1,435
13	444	470	843	1,017	2,136	2,946	2,351	2,062	1,127	912	500	1,894
14	435	466	775	986	2,385	2,887	2,407	2,179	1,066	897	479	2,052
15	435	462	752	954	2,508	2,564	2,431	2,173	1,072	950	502	2,073
16	490	461	748	935	2,879	2,472	2,390	2,042	1,149	882	518	2,119
17	546	464	742	940	2,991	2,603	2,435	1,897	1,093	847	526	2,223
18	487	468	737	925	3,050	2,637	2,470	1,806	1,028	786	574	2,310
19	505	602	829	961	3,130	2,470	2,391	1,881	1,060	658	628	2,350
20	495	1,646	837	976	3,189	2,386	2,218	1,853	1,079	624	650	2,345
21	484	1,173	834	982	3,158	2,379	2,208	1,788	1,007	632	734	2,184
22	481	938	801	1,048	3,155	2,427	2,356	1,636	940	555	716	1,673
23	478	731	720	1,106	3,173	2,454	2,413	1,521	972	536	677	1,012
24	466	670	717	1,138	3,055	2,481	2,506	1,502	1,035	535	652	1,030
25	493	631	761	1,140	2,763	2,463	2,516	1,524	1,064	529	876	1,004
26	500	584	810	1,158	2,664	2,458	2,365	1,522	1,026	455	1,573	1,011
27	496	577	833	1,154	2,648	2,409	2,173	1,494	974	424	1,902	1,088
28	519	568	827	1,163	2,597	2,312	2,039	1,487	940	414	2,071	1,082
29	503	588	762	1,200	2,423	2,202	2,060	1,465	916	434	2,073	1,068
30	481	-	738	1,294	2,380	2,228	2,053	1,388	879	438	2,064	1,137
31	488	-	719	-	2,406	-	2,073	1,259	-	341	-	1,496
TOTAL	14,618	17,432	23,810	29,769	74,828	77,163	74,573	57,088	32,655	21,978	22,789	41,350
MAXIMUM INSTAN.	651	1,955	1,109	1,497	3,309	3,145	2,785	2,233	1,380	1,082	2,155	2,380
MINIMUM INSTAN.	423	373	607	650	1,461	2,117	1,963	1,154	720	275	210	147
MEAN	472	601	768	992	2,414	2,572	2,406	1,842	1,089	709	760	1,334
TOTAL AC.FT.	28,994	34,576	47,226	59,046	148,419	153,050	147,913	113,232	64,770	43,593	45,201	82,016
WHOLE YEAR--	TOTAL,	488,053	MAX.,	3,309	MIN.,	147	MEAN,	1,333	TOTAL AC.FT.,	968,036		

Year: 1996

Kern River Conduit at Alternate Second Point (Total Flow)

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	212	206	402	110	108	79	44	0	268
2	0	0	34	210	241	356	113	108	74	43	0	87
3	0	0	61	209	264	222	114	110	59	41	0	0
4	0	0	64	202	264	160	113	111	73	44	0	0
5	0	0	109	215	255	162	143	108	42	43	0	0
6	0	0	125	177	243	165	157	109	22	43	0	0
7	0	0	80	172	241	165	156	108	28	43	79	0
8	0	0	65	159	246	167	157	109	25	43	105	0
9	0	0	31	150	278	166	156	110	23	42	121	0
10	0	0	0	211	283	166	156	109	31	41	141	0
11	0	0	0	209	297	177	155	110	27	41	137	0
12	0	0	0	188	249	178	143	110	36	42	122	117
13	0	0	0	187	217	177	136	111	31	42	116	423
14	0	0	0	174	227	178	135	154	40	48	122	433
15	0	0	0	189	238	183	135	165	34	43	133	431
16	0	0	0	180	290	161	134	169	34	43	153	419
17	0	0	0	184	310	166	113	166	27	42	149	414
18	0	0	0	213	314	196	106	166	46	46	150	429
19	0	63	0	200	330	201	107	139	47	44	143	443
20	0	298	0	165	345	207	106	123	42	41	158	365
21	0	90	0	140	344	206	111	122	42	46	123	302
22	0	49	0	142	379	202	145	115	42	45	128	140
23	0	0	21	169	444	203	151	113	40	41	127	55
24	0	0	64	169	460	197	152	116	40	40	102	53
25	0	0	88	164	426	182	152	124	43	43	93	53
26	0	0	90	165	421	181	155	126	40	29	182	53
27	0	0	92	165	427	179	151	128	41	12	186	51
28	0	0	143	165	431	137	152	136	42	0	259	51
29	0	0	197	164	416	105	156	136	39	0	294	51
30	0	-	194	175	420	102	151	144	39	0	302	112
31	0	-	196	-	395	-	113	116	-	0	-	230
TOTAL	0	500	1,654	5,424	9,901	5,649	4,234	3,879	1,228	1,115	3,625	4,980
MAXIMUM DAY	0	298	197	215	460	402	157	169	79	48	302	443
MINIMUM DAY	0	0	0	140	206	102	106	108	22	0	0	0
MEAN	0	17	53	181	319	188	137	125	41	36	121	161
TOTAL AC.FT.	0	992	3,281	10,758	19,639	11,204	8,398	7,694	2,436	2,212	7,190	9,878
WHOLE YEAR:-	TOTAL,	42,189	MAX.,	460	MIN.,	0	MEAN,	115	TOTAL AC.FT.,	83,682		

Year: 1996

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

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	34	0	54	94	0	0	0	0	0	0
2	0	0	30	0	28	94	0	0	0	0	0	0
3	0	0	0	0	0	100	0	0	0	0	0	0
4	0	4	0	0	0	114	0	0	0	0	0	0
5	0	27	0	0	0	110	0	0	0	0	0	0
6	0	38	0	0	0	92	0	0	0	0	0	0
7	0	21	0	0	0	101	0	0	0	0	0	0
8	0	13	0	0	0	111	0	0	0	0	0	0
9	0	2	0	0	0	116	0	0	0	0	0	0
10	0	0	22	0	0	114	0	0	0	0	0	0
11	0	0	1	0	35	90	0	0	0	0	0	0
12	0	0	0	0	47	105	0	0	0	0	0	0
13	0	0	10	0	68	130	0	0	0	0	0	0
14	0	0	13	0	94	122	0	0	0	0	0	0
15	0	0	0	0	82	69	0	0	0	0	0	0
16	0	0	0	0	84	30	0	0	0	0	0	0
17	0	0	0	0	94	24	0	0	0	0	0	0
18	0	0	0	0	95	20	0	0	0	0	0	0
19	0	0	0	15	95	13	0	0	0	0	0	0
20	0	0	0	58	89	0	0	0	0	0	0	0
21	0	0	0	60	68	0	0	0	0	0	0	0
22	0	0	0	101	69	0	0	0	0	0	0	0
23	0	0	0	97	70	0	0	0	0	0	0	0
24	0	0	0	99	86	0	0	0	0	0	0	0
25	0	0	0	124	113	0	0	0	0	0	0	0
26	0	9	0	104	81	0	0	0	0	0	0	0
27	0	38	0	43	60	0	0	0	0	0	0	0
28	0	44	0	44	58	0	0	0	0	0	0	0
29	0	38	0	81	114	0	0	0	0	0	0	0
30	0	-	0	127	108	0	0	0	0	0	0	0
31	0	-	0	-	102	-	0	0	-	0	-	0
TOTAL	0	234	110	953	1,794	1,649	0	0	0	0	0	0
MAXIMUM DAY	0	44	34	127	114	130	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	8	4	32	58	55	0	0	0	0	0	0
TOTAL AC.FT.	0	464	218	1,890	3,558	3,271	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	4,740	MAX.,	130	MIN.,	0	MEAN,	13	TOTAL AC.FT.,	9,401		

Year: 1996

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	65	20	243	796	657	482	0	0	0	0	125	0
2	65	20	228	799	554	530	0	0	0	0	125	0
3	65	20	275	801	500	404	0	0	0	28	125	0
4	65	20	275	793	500	315	0	0	0	45	125	0
5	32	20	275	788	500	226	0	0	0	15	125	0
6	0	145	275	784	500	68	0	0	0	0	125	0
7	0	220	275	784	500	0	0	0	0	0	125	0
8	0	220	275	792	450	0	0	0	0	0	125	0
9	0	171	275	825	415	0	0	0	0	0	125	0
10	0	145	275	852	429	0	0	0	0	0	125	0
11	0	137	275	852	435	0	0	0	0	0	52	0
12	0	125	275	844	435	0	0	0	0	0	15	0
13	0	125	275	844	435	0	0	0	0	0	15	0
14	0	125	275	839	435	0	0	0	0	0	15	0
15	0	125	267	846	369	0	0	0	0	0	15	0
16	0	111	217	827	171	0	0	0	0	0	15	0
17	0	168	185	804	40	0	0	0	0	0	15	0
18	0	200	185	765	40	0	0	0	0	0	15	0
19	0	200	185	740	40	0	0	0	0	59	58	0
20	0	200	223	679	40	0	0	0	0	117	22	0
21	0	73	251	623	40	0	0	0	0	120	0	0
22	0	0	251	610	40	0	0	0	0	152	0	0
23	0	166	307	610	40	0	0	0	0	165	0	0
24	0	350	402	603	40	0	0	0	0	168	0	0
25	0	400	437	600	95	0	0	0	0	166	0	0
26	0	400	440	627	135	0	0	0	0	165	0	0
27	0	400	580	713	135	0	0	0	0	133	0	0
28	0	400	740	723	135	0	0	0	0	123	0	0
29	0	400	800	710	298	0	0	0	0	125	0	0
30	0	-	804	710	415	0	0	0	0	125	0	0
31	12	-	798	-	415	-	0	0	-	125	-	0
TOTAL	304	5,106	10,843	22,583	9,233	2,025	0	0	0	1,831	1,487	0
MAXIMUM DAY	65	400	804	852	657	530	0	0	0	168	125	0
MINIMUM DAY	0	0	185	600	40	0	0	0	0	0	0	0
MEAN	10	176	350	753	298	68	0	0	0	59	50	0
TOTAL AC.FT.	603	10,128	21,506	44,794	18,314	4,016	0	0	0	3,633	2,949	0
WHOLE YEAR:-	TOTAL,	53,412	MAX.,	852	MIN.,	0	MEAN,	146	TOTAL AC.FT.,	105,943		

Year: 1996

Friant-Kern Inflow to Poso Creek 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	67	57	0	0	0	0	0	0
2	0	0	0	0	68	92	0	0	0	0	0	0
3	0	0	0	0	70	30	0	0	0	0	0	0
4	0	0	0	0	67	58	0	0	0	0	0	0
5	0	0	0	0	66	44	0	0	0	0	0	0
6	0	0	0	0	66	0	0	0	0	0	48	0
7	0	0	0	0	66	0	0	0	0	0	72	0
8	0	0	0	0	60	0	0	0	0	0	70	0
9	0	0	0	0	65	0	0	0	0	0	70	0
10	0	0	0	0	70	0	0	0	0	0	71	0
11	0	0	0	0	70	0	0	0	0	0	72	0
12	0	0	0	0	69	0	0	0	0	0	70	0
13	0	0	0	0	23	0	0	0	0	0	72	0
14	0	0	0	0	0	0	0	0	0	0	72	0
15	0	0	0	0	0	0	0	0	0	0	72	0
16	0	0	0	0	34	0	0	0	0	0	72	0
17	0	0	0	0	51	0	0	0	0	0	72	0
18	0	0	0	0	53	0	0	0	0	0	71	0
19	0	0	0	0	18	0	0	0	0	0	28	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	48	0	0	0	0	0	0	0
25	0	0	0	0	73	0	0	0	0	0	0	0
26	0	0	0	0	71	0	0	0	0	0	0	0
27	0	0	0	0	68	0	0	0	0	0	0	0
28	0	0	0	0	66	0	0	0	0	0	0	0
29	0	0	0	0	67	0	0	0	0	0	0	0
30	0	-	0	0	66	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	615	827	281	0	0	0	0	932	0
MAXIMUM DAY	0	0	0	73	70	92	0	0	0	0	72	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	21	27	9	0	0	0	0	31	0
TOTAL AC.FT.	0	0	0	1,220	1,641	558	0	0	0	0	1,848	0
WHOLE YEAR:-	TOTAL,	2,655	MAX.,	92	MIN.,	0	MEAN,	7	TOTAL AC.FT.,	5,267		

Quantities in acre-feet

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

Year: 1996

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista W.S.D. Entitlement	270	9,931	28,653	43,769	76,312	47,536	16,564	4,389	0	0	1,539	5,578	234,541
Hacienda W.D. Entitlement	0	0	0	0	0	11,302	4,977						16,279
<b>K.C.L. Entitlement @ 2nd Point</b>	14	474	1,174	2,097	3,648	2,277	791	212	0	0	0	73	11,026
Kern Island Eastside	18,446	18,012	18,337	17,851	18,446	17,851	18,446	18,446	15,761	14,997	17,522	18,676	212,791
Kern River Conduit			27,923	24,256	31,674	27,570	19,525	8,512					139,460
Castro	307	300	103	127	180	111	46	0	21	14	153	311	1,673
KCC & W Co.	861	865	309	426	510	307	138	0	57	41	432	891	4,837
South Fork	615	597	217	301	365	224	93	0	34	24	294	617	3,381
Buena Vista (1-st)	4,665	4,645	1,658	2,223	2,781	1,686	710	4	123	36	2,152	4,790	25,473
James (1-st)	4,764	6,956	2,486	3,344	4,173	2,535	1,069	6			3,227	7,176	35,736
Anderson (1-st)	619	1,164	412	553	690	418	184	0			537	1,202	5,779
Stine	3,810	8,642	3,099	4,175	5,223	3,170	1,337	8			3,650	8,081	41,195
Meacham	617	1,615	615	841	1,043	635	258	2			565	1,412	7,603
Farmers	1,583	7,616	3,099	4,175	5,223	3,170	1,337				2,164	6,698	35,065
Plunket	232	1,833	831	1,113	1,398	847	355				383	1,704	8,696
Joyce	228	1,585	831	1,113	1,398	847	349				383	1,700	8,434
Johnson	228	1,509	831	1,113	1,398	847	343				383	1,549	8,201
Pioneer	605	4,284	2,696	3,618	4,520	2,741	1,066				1,236	4,040	24,806
Beardsley (1-st)	224	1,726	1,242	1,670	2,087	1,265	464				545	1,654	10,877
Letdo (NKWSD)													
Anderson (2-nd)	38	290	200	290	353	216	73				75	272	1,807
James & Dixon	151	1,154	831	1,113	1,398	845	306				294	1,081	7,173
Wilson	22	173	103	171	222	119	44				36	169	1,059
KCC & W Co.	16	99	97	119	131	93	30				20	103	708
McCaffrey	99	698	538	730	903	536	182				147	692	4,525
McCord: Lerdo	66	724	619	837	1,043	605	203				119	722	4,938
Beardsley 70%	155	1,692	1,446	1,954	2,434	1,412	474				278	1,686	11,531
Calloway: Central 20%	198	2,705	1,803	4,396	5,903	2,902	91				472	2,110	20,580
NKWSD 80%	795	10,820	7,213	17,582	23,613	11,605	371				1,886	8,446	82,331
Railroad: KCC & W Co. 20%		353	542	542	1,398	543					71	180	3,087
NKWSD 80%		1,410	2,164	2,164	5,560	2,158					288	720	12,300
Buena Vista (2-nd)		738	865	865	3,110	1,162					163	397	6,435
James (2-nd)		1,478	1,335	1,335	5,330	2,216					323	790	11,472
Pioneer (2-nd)		1,396	912	912	4,812	1,942					305	748	10,115
Beardsley (3-rd)		1,972	1,275	1,275	6,541	2,095					432	1,055	13,370
Kern Island (2-nd)		460	254	254	1,491	440					101	246	2,992
Computed Loss	676	633	676	655	676	655	676	676	655	676	655	676	7,985
<b>Total 1st Point Group Entitlement</b>	<b>40,034</b>	<b>88,618</b>	<b>79,389</b>	<b>104,190</b>	<b>149,675</b>	<b>96,045</b>	<b>48,961</b>	<b>27,866</b>	<b>16,651</b>	<b>15,788</b>	<b>39,364</b>	<b>80,860</b>	<b>787,441</b>

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

Year: 1996

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>FIRST POINT REGULATED FLOW</b>	<b>28,994</b>	<b>34,576</b>	<b>47,226</b>	<b>59,046</b>	<b>148,419</b>	<b>153,050</b>	<b>147,913</b>	<b>113,232</b>	<b>64,770</b>	<b>43,593</b>	<b>45,201</b>	<b>82,016</b>	<b>968,036</b>
BEARDSLEY CANAL	10,977	17,252	16,187	29,544	39,731	37,452	38,576	33,525	24,036	19,333	19,359	21,616	307,588
CALLOWAY CANAL	1,501	2,049	2,172	2,610	17,220	16,463	17,486	12,934	5,282	5,455	2,126	1,807	87,105
KERN ISLAND CANAL	6,109	5,631	13,607	12,841	17,845	24,468	25,910	21,501	9,834	5,570	1,281	6,559	151,156
EASTSIDE CANAL	583	478	1,376	2,337	3,211	3,453	3,342	2,444	1,240	894	0	0	19,358
STINE CANAL	1,382	1,761	2,815	3,225	4,737	7,382	8,077	6,290	3,174	0	206	1,023	40,072
TRUXTUN LAKES	161	206	321	744	567	726	918	1,071	843	0	105	333	5,995
ARVIN-EDISON TURNOUT	0	0	0	0	0	6,706	13,872	5,612	2,797	0	1,850	8,600	39,437
BUENA VISTA CANAL	829	746	1,450	384	3,650	5,560	5,816	5,542	2,642	1,119	381	946	29,065
JAMES CANAL	0	0	0	0	2,267	2,932	2,043	2,313	1,817	1,152	361	2,043	14,928
ROSEDALE CHANNEL	5,268	1,759	2,117	0	11,921	10,949	6,270	5,094	1,142	0	2,249	8,263	55,032
PIONEER CANAL	0	0	0	0	3,346	2,741	0	0	0	0	534	540	7,161
BERRENDA MESA SPREADING GROUNDS	0	0	0	0	0	0	0	0	0	524	321	1,397	2,242
PIONEER PROPERTY	0	0	0	0	4,193	0	3,239	60	0	262	1,448	6,537	15,739
BOSWELL TURNOUT	0	0	0	0	242	304	0	0	0	0	81	674	1,301
2800 ACRE RECHARGE FACILITY	0	1,667	4,772	516	8,953	6,008	4,235	105	0	0	2,311	3,376	31,943
CARRIER CANAL LOSS/REFILL	724	448	509	722	868	909	992	880	715	0	944	727	8,438
RIVER LOSS & SPREADING	1,460	1,587	1,501	2,055	8,086	7,820	8,739	8,167	8,812	7,463	4,609	8,409	68,708
<b>FIRST POINT CANALS TOTAL FLOW</b>	<b>28,994</b>	<b>33,584</b>	<b>46,827</b>	<b>54,978</b>	<b>126,837</b>	<b>133,873</b>	<b>139,515</b>	<b>105,538</b>	<b>62,334</b>	<b>41,772</b>	<b>38,166</b>	<b>72,850</b>	<b>885,268</b>
<b>TOTAL FLOW AT SECOND POINT</b>	<b>0</b>	<b>992</b>	<b>399</b>	<b>4,068</b>	<b>21,582</b>	<b>19,177</b>	<b>8,398</b>	<b>7,694</b>	<b>2,436</b>	<b>1,821</b>	<b>7,035</b>	<b>9,166</b>	<b>82,768</b>

1996 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	177
La Hacienda, Inc.	59
Olcese WD	1,437
Lake Ming	790
City of Bakersfield	2
 Sub-total	 2,465
 <u>Below First Point</u>	
Arvin-Edison WSD	39,437
Buena Vista WSD	81,714
Cawelo WD	75,527
City of Bakersfield, Irrigation and Spreading (1)	93,516
County of Kern (At 2nd Point)	2,828
Hacienda WD/Paramount	10,542
Henry Miller WD	5,223
Improvement District No. 4	51,203
Kern County Water Agency	17,024
Kern Delta WD	245,628
Kern Water Bank Authority	21,417
North Kern WSD	253,696
Rosedale Ranch Improvement District	14,556
Rosedale Rio Bravo WSD	55,004
South Fork	721
 Sub-total	 968,036
 Grand Total	 970,501

(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: 1996

Quantities in acre-feet

End of Month Unit Storage

STORAGE UNIT	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern Island	2,500	12,085	15,000	15,000	16,590	9,242	1,321	2,179	2,500	2,500	2,500	2,500	83,917
Buena Vista	1,500	4,495	4,441	8,386	11,000	8,136	3,427	215	1,500	1,500	1,500	1,500	47,600
Stine	1,500	6,075	6,972	9,000	8,965	7,481	3,782	347	4	512	1,500	1,500	47,638
Farmers	1,500	5,742	6,000	6,000	6,000	5,292	2,404	20	0	0	1,500	1,500	35,958
Kern Delta State Exchange	3,547	0	0	0	0	0	0	0	0	0	0	0	3,547
<b>KERN DELTA WD TOTAL</b>	<b>10,547</b>	<b>28,397</b>	<b>32,413</b>	<b>38,386</b>	<b>42,555</b>	<b>30,151</b>	<b>10,934</b>	<b>2,761</b>	<b>4,004</b>	<b>4,512</b>	<b>7,000</b>	<b>7,000</b>	<b>218,660</b>
City of Bakersfield	16,924	25,201	44,705	61,329	82,491	69,033	40,386	13,737	9,719	9,226	8,552	23,478	404,781
Kern River Canal & Irr. Co.	17,100	20,624	21,723	23,714	29,851	30,601	28,320	25,682	24,371	23,464	26,870	26,681	299,001
South Fork	600	914	1,178	1,710	2,299	2,434	2,394	2,251	2,725	3,322	600	600	21,027
<b>CITY OF BAKERSFIELD TOTAL</b>	<b>34,624</b>	<b>46,739</b>	<b>67,606</b>	<b>86,753</b>	<b>114,641</b>	<b>102,068</b>	<b>71,100</b>	<b>41,670</b>	<b>36,815</b>	<b>36,012</b>	<b>36,022</b>	<b>50,759</b>	<b>724,809</b>
<b>NORTH KERN WSD</b>	<b>73,209</b>	<b>95,832</b>	<b>106,836</b>	<b>130,418</b>	<b>139,561</b>	<b>141,590</b>	<b>121,488</b>	<b>99,599</b>	<b>83,637</b>	<b>75,611</b>	<b>76,998</b>	<b>67,069</b>	<b>1,211,848</b>
<b>TOTAL 1ST POINT STORAGE</b>	<b>118,380</b>	<b>170,968</b>	<b>206,855</b>	<b>255,557</b>	<b>296,757</b>	<b>273,809</b>	<b>203,522</b>	<b>144,030</b>	<b>124,456</b>	<b>116,135</b>	<b>120,020</b>	<b>124,828</b>	<b>2,155,317</b>

**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: 1996

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	+ 28,504	40,113	26,193	29,543	36,274	27,479	21,830	18,458	15,884	15,033	25,752	38,888	323,951
Release	(19,533)	(10,583)	(2,800)	(5,100)	(5,363)	0	0	0	(2,630)	(8,193)	(21,342)	(30,322)	(105,866)
<b>Entitlement + or - Releases</b>	<b>= 8,971</b>	<b>29,530</b>	<b>23,393</b>	<b>24,443</b>	<b>30,911</b>	<b>27,479</b>	<b>21,830</b>	<b>18,458</b>	<b>13,254</b>	<b>6,840</b>	<b>4,410</b>	<b>8,566</b>	<b>218,085</b>
Into Isabella Storage	- 46	21,457	5,094	6,603	5,798	105	0	2,201	1,893	578	2,546	38	46,359
From Isabella Storage	+ 0	0	817	165	934	11,775	18,700	10,261	573	0	0	0	43,225
From City of Bakersfield	+ 405	0	0	0	0	0	0	0	0	0	0	0	405
From Buena Vista WSD	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
To City of Bakersfield	- 405	0	0	0	0	0	0	0	0	0	0	0	405
Storage Transfer/Exch.	+ or - 0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Loss	- 388	189	0	0	0	0	0	0	0	0	0	52	629
To North Kern WSD	- 0	0	1,158	842	0	0	0	0	0	0	0	0	2,000
Via Cawelo Water District	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Other	+ or - 0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Diversed at Heads of Canals</b>	<b>= 8,537</b>	<b>7,884</b>	<b>17,958</b>	<b>17,163</b>	<b>26,047</b>	<b>39,149</b>	<b>40,530</b>	<b>26,518</b>	<b>11,934</b>	<b>6,262</b>	<b>1,864</b>	<b>8,476</b>	<b>212,322</b>
From Cawelo Water District	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
From North Kern WSD	+ 0	0	1,158	842	0	0	0	0	0	0	0	0	2,000
<b>Total Utility Supply</b>	<b>= 8,537</b>	<b>7,884</b>	<b>19,116</b>	<b>18,005</b>	<b>26,047</b>	<b>39,149</b>	<b>40,530</b>	<b>26,518</b>	<b>11,934</b>	<b>6,262</b>	<b>1,864</b>	<b>8,476</b>	<b>214,322</b>
Utility Deliveries	4,144	3,757	12,302	11,225	18,028	30,995	30,430	19,363	6,588	3,089	406	2,568	142,895
Contract Deliveries	304	412	667	812	619	483	1,053	781	738	110	0	147	6,126
<b>Total Irrigation Deliveries</b>	<b>- 4,448</b>	<b>4,169</b>	<b>12,969</b>	<b>12,037</b>	<b>18,647</b>	<b>31,478</b>	<b>31,483</b>	<b>20,144</b>	<b>7,326</b>	<b>3,199</b>	<b>406</b>	<b>2,715</b>	<b>149,021</b>
Canal Conveyance Losses	= 4,089	3,715	6,147	5,968	7,400	7,671	9,047	6,374	4,608	3,063	1,458	5,761	65,301
Delivery Percentage	52%	53%	68%	67%	72%	80%	78%	76%	61%	51%	22%	32%	70%

Reservoir Evaporation Loss	46	60	261	465	695	734	517	113	77	70	58	38	3,134
<b>End of Month Reservoir Storage</b>	<b>7,000</b>	<b>28,397</b>	<b>32,413</b>	<b>38,386</b>	<b>42,555</b>	<b>30,151</b>	<b>10,934</b>	<b>2,761</b>	<b>4,004</b>	<b>4,512</b>	<b>7,000</b>	<b>7,000</b>	

Year: 1996

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	38	112	126	260	319	471	381	442	157	114	31	0
2	37	107	124	251	321	471	389	464	165	108	31	27
3	44	96	118	226	339	473	404	461	183	92	25	43
4	43	80	95	198	316	478	426	437	193	89	24	88
5	42	30	112	187	300	479	458	459	198	71	41	91
6	42	31	124	126	276	475	472	461	202	68	61	101
7	43	38	147	168	252	443	477	453	191	109	61	103
8	59	45	149	298	217	380	475	460	213	113	55	135
9	98	50	142	327	204	363	440	461	273	114	51	141
10	93	50	153	329	198	387	379	453	290	118	48	157
11	99	44	158	293	186	414	381	472	277	132	32	128
12	104	47	176	274	181	332	367	476	245	116	39	115
13	103	61	196	236	208	395	352	476	202	124	54	116
14	107	67	195	211	283	420	347	474	162	137	57	119
15	107	66	207	188	290	422	386	455	153	126	36	128
16	95	69	259	196	299	428	381	353	167	118	0	140
17	121	83	326	199	285	445	400	320	159	104	0	182
18	159	120	342	180	296	453	443	309	147	105	0	223
19	163	159	361	185	321	396	454	311	129	82	0	259
20	164	174	382	158	363	343	441	282	122	77	0	253
21	157	188	329	161	363	361	435	260	116	85	0	225
22	154	158	302	193	334	388	450	279	127	85	0	24
23	139	163	251	198	331	412	463	239	134	71	0	33
24	142	166	265	199	294	447	473	237	131	64	0	35
25	142	131	284	189	267	424	471	223	125	43	0	35
26	145	136	286	187	240	396	460	201	117	39	0	32
27	145	124	283	168	243	381	439	183	106	53	0	24
28	146	123	275	184	256	361	402	198	87	73	0	53
29	146	121	244	234	332	344	410	211	88	56	0	93
30	112	-	221	271	417	354	393	179	99	79	0	102
31	95	-	228	-	466	-	414	151	-	43	-	102
TOTAL	3,284	2,839	6,860	6,474	8,997	12,336	13,063	10,840	4,958	2,808	646	3,307
MAXIMUM DAY	164	188	382	329	466	479	477	476	290	137	61	259
MINIMUM DAY	37	30	95	126	181	332	347	151	87	39	0	0
MEAN	106	98	221	216	290	411	421	350	165	91	22	107
TOTAL AC.FT.	6,514	5,631	13,607	12,841	17,845	24,468	25,910	21,501	9,834	5,570	1,281	6,559
WHOLE YEAR:-	TOTAL,	76,412	MAX.,	479	MIN.,	0	MEAN,	209	TOTAL AC.FT.,	151,561		

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

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	+ 18,446	18,472	18,337	18,105	19,937	18,291	18,446	18,446	15,761	14,997	17,623	18,922	215,783
Release	- 12,283	3,476	3,117	5,176	0	0	0	0	5,563	9,348	16,447	12,898	68,308
Entitlement + or - Releases	= 6,163	14,996	15,220	12,929	19,937	18,291	18,446	18,446	10,198	5,649	1,176	6,024	147,475
Into Storage	- 16	9,609	3,153	363	2,770	0	0	2,201	456	44	24	14	18,650
From Storage	+ 0	0	119	165	908	7,094	7,791	1,331	75	0	0	0	17,483
From City of Bakersfield	+ 405	0	0	0	0	0	0	0	0	0	0	0	405
Carrier Canal Loss	- 0	0	0	0	0	0	0	0	0	0	0	52	52
Transfer in Storage	+/- 0	0	0	0	0	0	0	0	0	0	0	0	0
Eastside Canal Entitlement	- 0	0	759	1,615	2,195	2,610	2,217	939	0	0	0	0	10,335
To City of Bakersfield	- 405	0	0	0	0	0	0	0	0	0	0	0	405
Diverted at Head	= 6,147	5,387	11,427	11,116	15,890	22,775	24,020	16,637	9,817	5,605	1,152	5,958	135,921
Utility Deliveries	3,666	3,135	7,683	7,250	11,601	18,682	18,515	12,263	5,544	2,869	281	2,501	93,990
Contract Deliveries	304	412	625	712	539	472	1,038	774	738	110	0	147	5,871
Total Irrigation Deliveries	- 3,970	3,547	8,308	7,962	12,140	19,154	19,553	13,037	6,282	2,979	281	2,648	99,861
Canal Conveyance Losses	= 2,177	1,840	3,119	3,154	3,740	3,621	4,467	3,600	3,535	2,626	871	3,310	36,060
Delivery Percentage	65%	66%	73%	72%	76%	84%	81%	78%	64%	53%	24%	44%	73%

Into Reservoir Storage	16	9,609	3,153	363	2,770	0	0	2,201	456	44	24	14	18,650
Reservoir Evaporation Loss	16	24	119	198	272	254	130	12	60	44	24	14	1,167
From Reservoir Storage	0	0	119	165	908	7,094	7,791	1,331	75	0	0	0	17,483
End of Month Reservoir Storage	2,500	12,085	15,000	15,000	16,590	9,242	1,321	2,179	2,500	2,500	2,500	2,500	

State Exchange Diverted	173	254	629	809	1,148	1,002	1,541	4,782	635	190	0	0	11,163
State Exchange Delivered	173	254	629	809	923	1,002	1,541	4,782	635	190	0	0	10,938
City of Bakersfield Miscellaneous Diverted	0	0	0	0	0	0	0	0	0	0	4	18	22
City of Bakersfield Miscellaneous Delivered	0	0	0	0	0	0	0	0	0	0	4	18	22

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

Year: 1996

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Maximum	18,446	17,256	18,424	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,760
Actual	18,446	17,256	18,337	17,851	18,446	17,851	18,446	18,446	15,761	14,997	17,522	18,446	211,805
Maximum Percentage	100.00%	100.00%	99.53%	100.00%	100.00%	100.00%	100.00%	100.00%	88.29%	81.30%	98.16%	100.00%	

**KERN ISLAND CANAL ENTITLEMENT:**

Maximum	269	242	269	260	269	260	269	269	260	269	260	--	2,896
Actual	269	242	268	260	269	260	269	269	230	219	255	--	2,810
Sum to Date	269	511	779	1,039	1,308	1,568	1,837	2,106	2,336	2,555	2,810	2,810	

**CONTRACT ENTITLEMENT:**

For Month	0	175	386	389	365	310	448	121	163	0	0	0	2,357
To Date	0	175	561	950	1,315	1,625	2,073	2,194	2,357	2,357	2,357	2,357	

**CONTRACT DIVERTED:**

For Month	269	67	(118)	(129)	(96)	(50)	(179)	148	67	219	255	0	453
Sum to Date	269	336	218	89	(7)	(57)	(236)	(88)	(21)	198	453	453	

**UNUSED ENTITLEMENT:**

For Month	269	67	(118)	(129)	(96)	(50)	(179)	148	67	219	255	0	453
Sum to Date	269	336	218	89	(7)	(57)	(236)	(88)	(21)	198	453	453	

KERN ISLAND CANAL  
ENTITLEMENT AND DIVERSION OF CONTRACT WATER  
BLOOMFIELD CONTRACT

Year: 1996

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

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Maximum	18,446	17,256	18,424	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,760
Actual	18,446	17,256	18,337	17,851	18,446	17,851	18,446	18,446	15,761	14,997	17,522	18,446	211,805
Maximum Percentage	100.00%	100.00%	99.53%	100.00%	100.00%	100.00%	100.00%	100.00%	88.29%	81.30%	98.16%	100.00%	

**KERN ISLAND CANAL ENTITLEMENT:**

Maximum	336	303	336	325	336	325	336	336	325	336	325	--	3,619
Actual	336	303	334	325	336	325	336	336	287	273	319	--	3,510
Sum to Date	336	639	973	1,298	1,634	1,959	2,295	2,631	2,918	3,191	3,510	3,510	

**CONTRACT ENTITLEMENT:**

For Month	304	237	239	323	174	162	590	653	575	110	0	147	3,514
To Date	304	541	780	1,103	1,277	1,439	2,029	2,682	3,257	3,367	3,367	3,514	

**CONTRACT DIVERTED:**

For Month	32	66	95	2	162	163	(254)	(317)	(288)	163	319	(147)	(4)
Sum to Date	32	98	193	195	357	520	266	(51)	(339)	(176)	143	(4)	

Year: 1996

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	9	1	10	39	57	55	62	54	23	24	0	0
2	10	5	10	40	57	56	65	50	27	29	0	0
3	12	0	10	34	49	58	64	48	30	38	0	0
4	13	0	6	32	43	65	61	46	38	37	0	0
5	11	0	10	25	46	67	55	43	37	29	0	0
6	11	1	11	12	54	61	53	47	32	20	0	0
7	8	3	10	17	57	48	57	50	19	20	0	0
8	13	3	6	35	53	46	51	56	19	20	0	0
9	16	8	8	42	50	56	56	49	24	20	0	0
10	18	7	13	42	50	61	65	43	24	21	0	0
11	18	5	15	43	47	63	62	44	21	22	0	0
12	17	6	15	44	49	62	56	46	18	19	0	0
13	12	13	15	42	57	59	46	49	14	16	0	0
14	13	15	16	36	56	56	46	48	13	18	0	0
15	14	15	17	42	57	55	54	47	16	16	0	0
16	10	12	19	43	58	62	63	44	24	12	0	0
17	10	12	27	43	54	64	62	38	24	11	0	0
18	9	13	31	55	48	60	48	32	22	11	0	0
19	8	10	36	45	48	54	44	29	19	10	0	0
20	5	3	36	38	51	51	39	33	15	8	0	0
21	0	16	45	39	53	51	38	36	14	8	0	0
22	1	16	52	38	54	50	49	36	20	11	0	0
23	4	16	38	36	55	51	51	28	20	12	0	0
24	4	15	32	35	54	53	53	25	17	10	0	0
25	5	14	30	34	53	65	54	25	14	2	0	0
26	5	12	27	42	51	66	59	28	19	0	0	0
27	5	2	30	48	49	64	56	34	18	1	0	0
28	13	8	35	51	48	65	49	34	12	6	0	0
29	13	10	31	53	50	59	53	33	13	0	0	0
30	7	-	23	53	53	58	58	31	19	0	0	0
31	0	-	30	-	58	-	56	26	-	0	-	0
TOTAL	294	241	694	1,178	1,619	1,741	1,685	1,232	625	451	0	0
MAXIMUM DAY	18	16	52	55	58	67	65	56	38	38	0	0
MINIMUM DAY	0	0	6	12	43	46	38	25	12	0	0	0
MEAN	9	8	22	39	52	58	54	40	21	15	0	0
TOTAL AC.FT.	583	478	1,376	2,337	3,211	3,453	3,342	2,444	1,240	894	0	0
WHOLE YEAR:-	TOTAL,	9,760	MAX.,	67	MIN.,	0	MEAN,	27	TOTAL AC.FT.,	19,358		

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

Quantities in acre-feet

Year: 1996

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	0	0	759	1,615	2,195	2,610	2,217	939	0	0	0	0	10,335
State Exchange Diverted	583	478	617	722	1,016	843	1,125	1,505	1,206	878	0	0	8,973
City Miscellaneous Diverted	0	0	0	0	0	0	0	0	34	16	0	0	50
<b>Eastside Canal at Head</b>	<b>583</b>	<b>478</b>	<b>1,376</b>	<b>2,337</b>	<b>3,211</b>	<b>3,453</b>	<b>3,342</b>	<b>2,444</b>	<b>1,240</b>	<b>894</b>	<b>0</b>	<b>0</b>	<b>19,358</b>
Utility Deliveries	0	0	555	1,267	1,757	2,316	1,873	829	0	0	0	0	8,597
Contract Deliveries	0	0	42	100	80	11	15	7	0	0	0	0	255
<b>Total Utility Deliveries</b>	<b>0</b>	<b>0</b>	<b>597</b>	<b>1,367</b>	<b>1,837</b>	<b>2,327</b>	<b>1,888</b>	<b>836</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8,852</b>
State Exchange Delivered	484	343	515	722	1,016	843	1,125	1,386	991	798	0	0	8,223
City Miscellaneous Delivered	0	0	0	0	0	0	0	0	34	16	0	0	50
<b>Total Irrigation Deliveries</b>	<b>484</b>	<b>343</b>	<b>1,112</b>	<b>2,089</b>	<b>2,853</b>	<b>3,170</b>	<b>3,013</b>	<b>2,222</b>	<b>1,025</b>	<b>814</b>	<b>0</b>	<b>0</b>	<b>17,125</b>
Canal Loss (Utility)	0	0	162	248	358	283	329	103	0	0	0	0	1,483
Canal Loss (State)	99	135	102	0	0	0	0	119	215	80	0	0	750
<b>Total Canal Loss</b>	<b>99</b>	<b>135</b>	<b>264</b>	<b>248</b>	<b>358</b>	<b>283</b>	<b>329</b>	<b>222</b>	<b>215</b>	<b>80</b>	<b>0</b>	<b>0</b>	<b>2,233</b>
Delivery Percentage	83%	72%	81%	89%	89%	92%	90%	91%	83%	91%	0%	0%	88%

Year: 1996

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	9	8	27	28	41	76	122	109	42	28	8	6
2	10	8	26	29	39	76	117	100	46	32	8	6
3	14	9	25	28	29	78	119	86	52	35	8	9
4	14	8	26	18	22	87	129	92	55	31	8	12
5	10	11	24	16	38	102	120	97	65	32	8	8
6	10	11	23	13	48	108	102	98	78	31	8	9
7	14	13	27	17	54	105	94	96	77	26	7	8
8	20	13	28	24	52	104	95	93	70	27	6	7
9	20	13	34	30	45	104	86	91	70	29	6	7
10	22	13	34	31	42	103	79	92	69	27	6	8
11	22	12	43	28	34	102	81	99	65	26	6	11
12	21	12	43	22	33	92	88	100	64	25	6	23
13	19	12	47	24	42	89	96	101	54	23	6	24
14	20	12	46	23	49	86	96	103	54	25	6	20
15	23	12	53	29	61	84	87	101	53	19	6	19
16	25	12	48	23	63	86	72	98	36	15	6	20
17	22	10	46	16	64	97	78	88	32	11	6	20
18	16	9	46	11	65	103	84	93	29	13	6	21
19	7	15	60	10	70	112	80	101	22	12	6	23
20	7	18	63	13	73	98	78	101	23	9	6	22
21	8	11	66	15	64	84	83	101	23	7	5	23
22	10	10	64	16	62	84	85	108	21	8	5	22
23	9	8	63	13	65	82	80	111	27	9	6	19
24	9	8	55	13	69	80	81	108	33	11	6	17
25	9	12	52	13	74	79	90	97	25	11	6	18
26	8	23	57	14	80	87	94	76	26	11	6	17
27	8	24	51	18	90	94	95	58	31	11	6	16
28	8	23	48	23	96	101	96	52	31	10	7	16
29	8	26	36	26	97	104	104	50	32	7	6	15
30	8	-	27	34	94	116	109	49	27	0	6	15
31	8	-	27	-	85	-	112	45	-	3	-	16
TOTAL	418	376	1,315	618	1,840	2,803	2,932	2,794	1,332	564	192	477
MAXIMUM DAY	25	26	66	34	97	116	129	111	78	35	8	24
MINIMUM DAY	7	8	23	10	22	76	72	45	21	0	5	6
MEAN	13	13	42	21	59	93	95	90	44	18	6	15
TOTAL AC.FT.	829	746	2,608	1,226	3,650	5,560	5,816	5,542	2,642	1,119	381	946
WHOLE YEAR:-	TOTAL,	15,661	MAX.,	129	MIN.,	0	MEAN,	43	TOTAL AC.FT.,	31,065		

KERN DELTA WATER DISTRICT  
BUENA VISTA CANAL SERVICE AREA

Year: 1996

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	+ 4,665	5,383	1,658	3,088	5,891	2,848	710	4	123	36	2,315	5,187	31,908
Release	+ or - (3,513)	(1,489)	934	2,164	(212)	0	0	0	2,933	647	(1,920)	(4,233)	(4,689)
Entitlement + or - Releases	= 1,152	3,894	2,592	5,252	5,679	2,848	710	4	3,056	683	395	954	27,219
Into Storage	- 10	3,005	530	4,026	2,785	0	0	0	1,437	26	14	8	11,841
From Storage	+ 0	0	546	0	0	2,666	4,566	3,182	137	0	0	0	11,097
To North Kern WSD	- 0	0	1,158	842	0	0	0	0	0	0	0	0	2,000
Transfer in Storage	+ or - 0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Loss	- 313	143	0	0	0	0	0	0	0	0	0	0	456
Diverted at Head of Canal	= 829	746	1,450	384	2,894	5,514	5,276	3,186	1,756	657	381	946	24,019
From North Kern WSD	+ 0	0	1,158	842	0	0	0	0	0	0	0	0	2,000
Total Utility Supply	= 829	746	2,608	1,226	2,894	5,514	5,276	3,186	1,756	657	381	946	26,019
Utility Deliveries	187	246	1,716	600	1,812	4,214	3,989	2,466	933	220	0	36	16,419
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	- 187	246	1,716	600	1,812	4,214	3,989	2,466	933	220	0	36	16,419
Canal Conveyance Losses	= 642	500	892	626	1,082	1,300	1,287	720	823	437	381	910	9,600
Delivery Percentage	23%	33%	66%	49%	63%	76%	76%	77%	53%	33%	0%	4%	63%

Into Reservoir Storage	10	3,005	530	4,026	2,785	0	0	0	1,437	26	14	8	11,841
Reservoir Evaporation Loss	10	10	38	81	171	198	143	30	15	26	14	8	744
From Reservoir Storage	0	0	546	0	0	2,666	4,566	3,182	137	0	0	0	11,097
End of Month Reservoir Storage	1,500	4,495	4,441	8,386	11,000	8,136	3,427	215	1,500	1,500	1,500	1,500	

State Exchange Diverted	0	0	0	0	756	0	0	2,134	329	0	0	0	3,219
Arvin-Edison Payback Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Floodwater Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
State Exchange Delivered	0	0	0	0	0	0	0	1,703	184	0	0	0	1,887
Arvin-Edison Payback Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Floodwater Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0

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

Year: 1996

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista Canal at Headworks	829	746	2,608	1,226	3,650	5,560	5,816	5,542	2,642	1,119	381	946	31,065
Buena Vista Canal from Maples Canal	0	0	0	0	0	220	184	440	34	0	0	0	878
<b>TOTAL BUENA VISTA CANAL SUPPLY</b>	<b>829</b>	<b>746</b>	<b>2,608</b>	<b>1,226</b>	<b>3,650</b>	<b>5,780</b>	<b>6,000</b>	<b>5,982</b>	<b>2,676</b>	<b>1,119</b>	<b>381</b>	<b>946</b>	<b>31,943</b>

**Deliveries: Head to Section 17**

Buena Vista Utility	187	246	917	129	1,711	3,431	3,574	1,728	456	168	0	36	12,583
Buena Vista State Exchange	0	0	0	0	0	0	1,080	99	0	0	0	0	1,179
Buena Vista State Exchange (Spreading)	0	0	0	0	336	0	0	0	0	0	0	0	336
Stine Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Arvin-Edison Payback	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Exchange (Utility)	0	0	799	471	0	0	0	0	0	0	0	0	1,270
<b>Sub-Total</b>	<b>187</b>	<b>246</b>	<b>1,716</b>	<b>600</b>	<b>2,047</b>	<b>3,431</b>	<b>3,574</b>	<b>2,808</b>	<b>555</b>	<b>168</b>	<b>0</b>	<b>36</b>	<b>15,368</b>

**Deliveries: At or Below Section 17**

Buena Vista Utility	0	0	0	0	101	783	415	738	477	52	0	0	2,566
Buena Vista State Exchange	0	0	0	0	0	0	0	623	85	0	0	0	708
Buena Vista State Exchange (Spreading)	0	0	0	0	420	0	0	0	0	0	0	0	420
Stine Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island Utility	0	0	0	0	0	242	559	577	455	313	0	0	2,146
Kern Island State Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
Arvin-Edison Payback	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Floodwater	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Sub-Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>521</b>	<b>1,025</b>	<b>974</b>	<b>1,938</b>	<b>1,017</b>	<b>365</b>	<b>0</b>	<b>0</b>	<b>5,840</b>

<b>TOTAL DELIVERED</b>	<b>187</b>	<b>246</b>	<b>1,716</b>	<b>600</b>	<b>2,568</b>	<b>4,456</b>	<b>4,548</b>	<b>4,746</b>	<b>1,572</b>	<b>533</b>	<b>0</b>	<b>36</b>	<b>21,208</b>
Canal Conveyance Losses	642	500	892	626	1,082	1,324	1,452	1,236	1,104	586	381	910	10,735
Delivery Percentage	23%	33%	66%	49%	70%	77%	76%	79%	59%	48%	0%	4%	66%

**DISTRIBUTION:**

Buena Vista Utility	829	746	1,450	384	2,894	5,514	5,276	3,186	1,756	657	381	946	24,019
Buena Vista State Exchange	0	0	0	0	756	0	0	2,134	329	0	0	0	3,219
Stine Utility	0	0	0	0	0	0	0	0	0	0	0	0	0
Kern Island Utility	0	0	0	0	0	266	724	662	591	462	0	0	2,705
Kern Island State Exchange	0	0	0	0	0	0	0	0	0	0	0	0	0
Arvin-Edison Payback	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Exchange (Utility)	0	0	1,158	842	0	0	0	0	0	0	0	0	2,000
<b>TOTAL</b>	<b>829</b>	<b>746</b>	<b>2,608</b>	<b>1,226</b>	<b>3,650</b>	<b>5,780</b>	<b>6,000</b>	<b>5,982</b>	<b>2,676</b>	<b>1,119</b>	<b>381</b>	<b>946</b>	<b>31,943</b>

Year: 1996

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	20	21	0	53	47	132	107	127	51	0	0	11
2	26	23	0	52	57	133	117	125	47	0	0	15
3	29	25	0	49	54	142	123	123	52	0	0	15
4	23	26	4	47	53	152	132	126	51	0	0	14
5	24	26	31	46	55	143	140	129	52	0	0	15
6	24	26	29	47	61	131	133	124	50	0	0	16
7	29	28	30	57	67	126	131	125	49	0	0	15
8	34	28	30	64	66	122	133	108	53	0	0	15
9	32	28	31	79	73	115	134	96	55	0	0	17
10	32	28	37	77	79	110	126	91	56	0	0	15
11	32	28	48	75	64	111	135	97	59	0	0	17
12	31	28	53	80	59	112	131	109	59	0	0	22
13	32	27	53	76	63	112	115	117	57	0	0	22
14	34	33	50	56	69	114	125	122	58	0	0	21
15	32	32	53	60	78	104	138	117	63	0	0	20
16	32	27	62	60	81	109	138	111	62	0	0	20
17	30	28	61	53	84	126	138	106	59	0	0	20
18	22	36	63	51	90	138	146	110	53	0	0	20
19	15	41	73	47	95	141	149	118	50	0	6	20
20	15	39	74	37	89	142	138	121	43	0	14	16
21	15	36	71	37	79	143	130	116	43	0	0	16
22	14	35	69	51	78	137	142	98	45	0	3	16
23	14	36	67	55	85	129	146	82	55	0	11	16
24	14	36	63	61	88	131	153	69	65	0	10	16
25	14	37	62	52	80	127	159	70	72	0	10	15
26	14	35	62	50	76	127	141	86	67	0	10	14
27	12	35	55	38	82	120	119	88	52	0	10	13
28	9	36	46	39	91	104	105	77	48	0	10	16
29	10	24	48	39	97	94	111	68	41	0	10	15
30	16	-	46	38	116	95	115	62	33	0	10	16
31	17	-	48	-	132	-	122	53	-	0	-	17
TOTAL	697	888	1,419	1,626	2,388	3,722	4,072	3,171	1,600	0	104	516
MAXIMUM DAY	34	41	74	80	132	152	159	129	72	0	14	22
MINIMUM DAY	9	21	0	37	47	94	105	53	33	0	0	11
MEAN	22	31	46	54	77	124	131	102	53	0	3	17
TOTAL AC.FT.	1,382	1,761	2,815	3,225	4,737	7,382	8,077	6,290	3,174	0	206	1,023
WHOLE YEAR:-	TOTAL,	20,203	MAX.,	159	MIN.,	0	MEAN,	55	TOTAL AC.FT.,	40,072		

KERN DELTA WATER DISTRICT  
STINE CANAL SERVICE AREA

Year: 1996

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	3,810	8,642	3,099	4,175	5,223	3,170	1,337	8	0	0	3,650	8,081	41,195
Release	(2,507)	(3,111)	(4)	447	(1,911)	0	0	0	0	508	(2,442)	(6,782)	(15,802)
<b>Entitlement + or - Releases</b>	<b>1,303</b>	<b>5,531</b>	<b>3,095</b>	<b>4,622</b>	<b>3,312</b>	<b>3,170</b>	<b>1,337</b>	<b>8</b>	<b>0</b>	<b>508</b>	<b>1,208</b>	<b>1,299</b>	<b>25,393</b>
Into Storage	10	4,589	1,012	2,135	142	87	0	0	0	508	1,002	8	9,493
From Storage	0	0	61	0	26	1,404	3,556	3,384	341	0	0	0	8,772
To North Kern WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Loss	73	28	0	0	0	0	0	0	0	0	0	0	101
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Diverted at Head</b>	<b>1,220</b>	<b>914</b>	<b>2,144</b>	<b>2,487</b>	<b>3,196</b>	<b>4,487</b>	<b>4,893</b>	<b>3,392</b>	<b>341</b>	<b>0</b>	<b>206</b>	<b>1,291</b>	<b>24,571</b>
Utility Deliveries	189	37	968	1,204	1,686	2,898	3,002	1,994	98	0	0	28	12,104
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Irrigation Deliveries</b>	<b>189</b>	<b>37</b>	<b>968</b>	<b>1,204</b>	<b>1,686</b>	<b>2,898</b>	<b>3,002</b>	<b>1,994</b>	<b>98</b>	<b>0</b>	<b>0</b>	<b>28</b>	<b>12,104</b>
Canal Conveyance Losses	1,031	877	1,176	1,283	1,510	1,589	1,891	1,398	243	0	206	1,263	12,467
Delivery Percentage	15%	4%	45%	48%	53%	65%	61%	59%	29%	0%	0%	2%	49%

Into Reservoir Storage	10	4,589	1,012	2,135	142	87	0	0	0	508	1,002	8	9,493
Reservoir Evaporation Loss	10	14	54	107	151	167	143	51	2	0	14	8	721
From Reservoir Storage	0	0	61	0	26	1,404	3,556	3,384	341	0	0	0	8,772
<b>End of Month Reservoir Storage</b>	<b>1,500</b>	<b>6,075</b>	<b>6,972</b>	<b>9,000</b>	<b>8,965</b>	<b>7,481</b>	<b>3,782</b>	<b>347</b>	<b>4</b>	<b>512</b>	<b>1,500</b>	<b>1,500</b>	

State Exchange Diverted	0	0	0	0	182	0	0	0	1,613	18	0	0	1,813
State Exchange Delivered	0	0	0	0	0	0	0	0	645	7	0	0	652

KERN DELTA WATER DISTRICT  
FARMERS CANAL SERVICE AREA

Year: 1996

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	1,583	7,616	3,099	4,175	5,223	3,170	1,337	0	0	0	2,164	6,698	35,065
Release	(1,230)	(2,507)	(613)	(2,535)	(3,240)	0	0	0	0	0	(533)	(6,409)	(17,067)
Entitlement + or - Releases	353	5,109	2,486	1,640	1,983	3,170	1,337	0	0	0	1,631	289	17,998
Into Storage	10	4,254	399	79	101	18	0	0	0	0	1,506	8	6,375
From Storage	0	0	91	0	0	611	2,787	2,364	20	0	0	0	5,873
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Loss	2	18	0	0	0	0	0	0	0	0	0	0	20
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted at Head	341	837	2,178	1,561	1,882	3,763	4,124	2,364	20	0	125	281	17,476
Utility Deliveries	102	339	1,380	904	1,172	2,885	3,051	1,811	13	0	125	3	11,785
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Irrigation Deliveries	102	339	1,380	904	1,172	2,885	3,051	1,811	13	0	125	3	11,785
Canal Conveyance Losses	239	498	798	657	710	878	1,073	553	7	0	0	278	5,691
Delivery Percentage	30%	41%	63%	58%	62%	77%	74%	77%	65%	0%	100%	1%	67%

Into Reservoir Storage	10	4,254	399	79	101	18	0	0	0	0	1,506	8	6,375
Reservoir Evaporation Loss	10	12	50	79	101	115	101	20	0	0	6	8	502
From Reservoir Storage	0	0	91	0	0	611	2,787	2,364	20	0	0	0	5,873
End of Month Reservoir Storage	1,500	5,742	6,000	6,000	6,000	5,292	2,404	20	0	0	1,500	1,500	

State Exchange Diverted	0	0	0	0	238	0	0	1,135	1,108	171	0	0	2,652
State Exchange Delivered	0	0	0	0	0	0	0	841	667	69	0	0	1,577

Year: 1996

Kern Delta Water District Kern River Water Diverted  
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	6	6	7	0	0	0
2	0	0	0	0	0	0	7	6	8	0	0	0
3	0	0	0	0	0	0	7	6	2	0	0	0
4	0	0	0	0	0	0	7	6	0	0	0	0
5	0	0	0	0	0	0	6	6	0	0	0	0
6	0	0	0	0	0	0	7	6	0	0	0	0
7	0	0	0	0	0	0	8	7	0	0	0	0
8	0	0	0	0	0	0	2	6	0	0	0	0
9	0	0	0	0	0	0	0	6	0	0	0	0
10	0	0	0	0	0	0	0	6	0	0	0	0
11	0	0	0	0	0	0	0	7	0	0	0	0
12	0	0	0	0	0	0	0	8	0	0	0	0
13	0	0	0	0	0	0	0	7	0	0	0	0
14	0	0	0	0	0	0	0	8	0	0	0	0
15	0	0	0	0	0	0	0	8	0	0	0	0
16	0	0	0	0	0	0	0	8	0	0	0	0
17	0	0	0	0	0	0	0	7	0	0	0	0
18	0	0	0	0	0	0	0	7	0	0	0	0
19	0	0	0	0	0	0	0	8	0	0	0	0
20	0	0	0	0	0	0	0	8	0	0	0	0
21	0	0	0	0	0	11	0	8	0	0	0	0
22	0	0	0	0	0	15	0	9	0	0	0	0
23	0	0	0	0	0	13	0	8	0	0	0	0
24	0	0	0	0	0	13	0	8	0	0	0	0
25	0	0	0	0	0	13	4	7	0	0	0	0
26	0	0	0	0	0	13	7	8	0	0	0	0
27	0	0	0	0	0	12	7	8	0	0	0	0
28	0	0	0	0	0	8	6	7	0	0	0	0
29	0	0	0	0	0	6	6	8	0	0	0	0
30	0	-	0	0	0	7	6	7	0	0	0	0
31	0	-	0	-	0	-	7	7	-	0	-	0
TOTAL	0	0	0	0	0	111	93	222	17	0	0	0
MAXIMUM DAY	0	0	0	0	0	15	8	9	8	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	6	0	0	0	0
MEAN	0	0	0	0	0	4	3	7	1	0	0	0
TOTAL AC.FT.	0	0	0	0	0	220	184	440	34	0	0	0
WHOLE YEAR-- TOTAL,	443	MAX.,	15	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	878			

City of Bakersfield Diverted to Kern Delta Water District  
(Pursuant to City/KDWD Miscellaneous Water Purchase Agreement dated 4-23-96) Year: 1996

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	3	0	0	0
2	0	0	0	0	0	0	0	0	3	0	0	0
3	0	0	0	0	0	0	0	0	3	1	0	0
4	0	0	0	0	0	0	0	0	2	0	1	0
5	0	0	0	0	0	0	0	0	3	0	0	0
6	0	0	0	0	0	0	0	0	3	0	0	1
7	0	0	0	0	0	0	0	0	0	0	1	2
8	0	0	0	0	0	0	0	0	0	0	0	3
9	0	0	0	0	0	0	0	0	0	0	0	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	3
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	1	0	0
28	0	0	0	0	0	0	0	0	0	6	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	17	8	2	9
MAXIMUM DAY	0	0	0	0	0	0	0	0	3	6	1	3
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	1	0	0	0
TOTAL AC.FT.	0	0	0	0	0	0	0	0	34	16	4	18
WHOLE YEAR-- TOTAL,	36	36	36	36	36	36	36	36	36	36	36	36
MAX.,	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
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
72												

**KERN DELTA WATER DISTRICT**  
**STATE EXCHANGE GROUNDWATER RECHARGE OPERATIONS**

1996

Quantities in acre-feet

Month	Kern Island Canal				Total	Farmers Canal			Total	Stine Canal		Total	Buena Vista Canal				Total	Inter-District Total	Pioneer Project	Kern Delta WD Total
	3-0-60	3-0-70	3-4-94	3-4-103		4-0-40	4-0-184	5-0-173		6-1-0	6-0-180		6-0-190	6-4-0	6-0-180	6-0-190				
Jan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Feb	0	0	0	0	0	0	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	0	0	0	0	0	0	
Apr	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
May	49	122	12	42	225	206	32	183	183	12	211	113	420	756	1,402	3,820	5,222			
Jun	0	0	0	0	0	0	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	0	0	0	0	0	0	
Aug	0	0	0	0	0	0	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	0	0	0	0	0	0	
Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Nov	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Dec	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>Total</b>	<b>49</b>	<b>122</b>	<b>12</b>	<b>42</b>	<b>225</b>	<b>206</b>	<b>32</b>	<b>183</b>	<b>183</b>	<b>12</b>	<b>211</b>	<b>113</b>	<b>420</b>	<b>756</b>	<b>1,402</b>	<b>3,820</b>	<b>5,222</b>			

Quantities in acre-feet

**KERN DELTA WATER DISTRICT**  
**State Aqueduct Exchange Diversion and Storage Recapitulation**

Year: 1996

		Kern Island	Eastside	East of Kern Island	Buena Vista	Stine	Farmers	Pioneer Project	Reservoir Loss	Total	Storage Balance
1995 Carry Over	November	19	660	77	0	0	0	0	63	819	11,025
	December	277	361	28	0	0	0	0	32	698	10,327
	January	153	583	20	0	0	0	0	24	780	9,547
	February	29	478	225	0	0	0	0	11	743	8,804
	March	274	617	355	0	0	0	0	50	1,296	7,508
	April	234	722	575	0	0	0	0	50	1,581	5,927
May	441	571	345	348	150	189	3,820	63	5,927	0	
<b>Total</b>		<b>1,427</b>	<b>3,992</b>	<b>1,625</b>	<b>348</b>	<b>150</b>	<b>189</b>	<b>3,820</b>	<b>293</b>	<b>11,844</b>	

		Kern Island	Eastside	East of Kern Island	Buena Vista	Stine	Farmers	Pioneer Project	Reservoir Loss	Total	Storage Balance
1996 Contract	March	0	0	0	0	0	0	0	0	0	25,500
	April	0	0	0	0	0	0	0	0	0	25,500
	May	149	444	213	408	33	49	0	0	1,296	24,204
	June	358	843	644	0	0	0	0	0	1,845	22,359
	July	713	1,125	828	0	0	0	0	0	2,666	19,693
	August	3,845	1,505	937	2,134	0	1,135	0	0	9,556	10,137
	September	340	1,206	295	329	1,613	1,108	0	0	4,891	5,246
	October	26	878	164	0	18	171	0	0	1,257	3,989
	November	0	0	0	0	0	0	0	0	0	3,989
	<b>Total</b>	<b>5,431</b>	<b>6,001</b>	<b>3,081</b>	<b>2,871</b>	<b>1,664</b>	<b>2,463</b>	<b>0</b>	<b>0</b>	<b>21,511</b>	

1996 Carry Over	November	0	0	0	0	0	0	0	0	0	3,989
	December	0	0	0	0	0	0	0	0	0	3,989
	<b>Total</b>	<b>0</b>	<b>3,989</b>								

KERN DELTA WATER DISTRICT  
1988 State Pool Payback Diversion Recapitulation

Year: 1996

Quantities in acre-feet

	Kern Island	Eastside	East of Kern Island		Buena Vista	Stine	Farmers	Total	Payback Balance
			Kern Island	Eastside					
January	0	0	0	0	0	0	0	0	827
February	0	0	0	0	0	0	0	0	827
March	0	0	0	0	0	0	0	0	827
April	0	0	0	0	0	0	0	0	827
May	0	0	0	0	0	0	0	0	827
June	0	0	0	0	0	0	0	0	827
July	0	0	0	0	0	0	0	0	827
August	0	0	0	0	0	0	0	0	827
September	0	0	0	0	0	0	0	0	827
October	0	0	0	0	0	0	0	0	827
November	0	0	0	0	0	0	0	0	827
December	0	0	0	0	0	0	0	0	827
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>827</b>

**CITY OF BAKERSFIELD**

**KERN RIVER CHANNEL OPERATIONS  
CITY OF BAKERSFIELD**

Year: 1996

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ Kern River at First Point of Measurement	28,994	34,576	47,226	59,046	148,419	153,050	147,913	113,232	64,770	43,593	45,201	82,016	968,036
- Computed Loss	676	633	676	655	676	655	676	676	655	676	655	676	7,985
- Beardsley Canal at Head	10,977	17,252	16,187	29,544	39,731	37,452	38,576	33,525	24,036	19,333	19,359	21,616	307,588
- Carrier Canal at Head	15,350	11,498	21,231	21,511	36,545	35,218	36,676	31,710	13,611	7,874	2,061	14,916	248,201
= Rocky Point Weir	1,991	5,193	9,132	7,336	71,467	79,725	71,985	47,321	26,468	15,710	23,126	44,808	404,262
+ Carrier Waste Gate	0	20	0	0	371	1,412	397	0	0	0	12	0	2,212
+ Farmers-Stine-Anderson: to River	95	0	0	36	0	0	0	0	16	1,434	302	12	1,895
- Farmers-Stine-Anderson: from River	0	1,980	6,135	3,362	19,271	21,648	21,813	13,442	7,478	0	8,394	8,678	112,201
- Calloway Canal at Head	1,501	2,049	2,172	2,610	17,220	16,463	17,486	12,934	5,282	5,455	2,126	1,807	87,105
- River Loss: Rocky Point to Calloway Weir	585	609	817	906	978	957	1,027	914	841	841	869	926	10,270
= Calloway River Weir	0	575	8	494	34,369	42,069	32,056	20,031	12,883	10,848	12,051	33,409	198,793
+ CVC T.O. #4 to River	379	540	605	1,809	0	0	0	0	0	0	1,974	1,146	6,453
+ CVC T.O. #3 to River	1,615	1,046	1,142	1,069	268	0	0	0	0	143	912	0	6,195
+ Friant-Kern Inflow	603	10,128	21,506	44,794	18,314	4,016	0	0	0	3,633	2,949	0	105,943
- River Canal from River	575	3,544	11,999	28,764	11,469	12,469	14,281	11,131	5,002	5,495	3,747	10,052	118,528
- River Loss: Cally. Weir to River Canal Weir	1,183	1,834	1,898	3,456	5,277	3,868	4,548	4,177	4,034	3,654	4,165	4,508	42,602
= River Canal Weir	839	6,911	9,364	15,946	36,205	29,748	13,227	4,723	3,847	5,475	9,974	19,995	156,254
+ Pioneer Turnout	5,667	6,740	11,292	16,064	10,861	3,824	3,005	2,936	577	746	990	3,533	66,235
+ CVC T.O. #2 to River	401	2,778	4,903	9,707	125	22	0	0	0	0	0	895	18,831
- Rosedale Channel at Head	5,268	9,604	13,178	9,459	12,046	11,782	6,270	5,094	1,142	0	2,249	8,263	84,355
- Pioneer Canal at Head	0	0	0	3,780	7,418	3,088	0	0	0	0	534	540	15,360
- Berrenda Mesa Pipeline Turnout	420	656	868	4,428	3,034	440	0	0	0	1,504	353	2,201	13,904
- River Loss: River Canal to Bellevue Weir	1,138	1,464	1,855	1,657	1,690	1,470	1,568	2,154	2,237	2,013	1,858	2,041	21,145
= Flow at Bellevue Weir	81	4,705	9,658	22,393	23,003	16,814	8,394	411	1,045	2,704	5,970	11,378	106,556
- River Loss: Bellevue Weir to ID#4 Boundary	81	415	317	446	462	446	460	232	1,045	1,159	698	754	6,515
- River Loss: ID#4 Boundary to 2800 Acres	0	434	280	446	462	446	460	14	0	942	510	722	4,716
+ Outflow from Berrenda Mesa Spdg. Grounds	0	0	0	208	0	0	0	0	0	0	0	0	208
+ CVC T.O. #1 to River	3,242	7,416	2,726	803	0	0	0	0	0	0	0	5,020	19,207
+ River Canal T.O. to 2800 Acres	0	0	0	442	0	0	0	0	0	0	74	38	554
- Pioneer Central from 2800 Acres	0	0	0	0	0	0	0	0	0	0	0	0	0
- Pioneer North from 2800 Acres	1,935	5,637	3,210	8,471	6,807	6,643	3,239	60	0	0	1,416	6,998	44,416
- 2800 Acre Recharge Facility	1,307	5,171	8,359	12,593	11,714	6,008	4,235	105	0	603	3,420	7,962	61,477
= Second Point via Kern River Channel	0	464	218	1,890	3,558	3,271	0	0	0	0	0	0	9,401

**CARRIER CANAL OPERATIONS  
CITY OF BAKERSFIELD**

Quantities in acre-feet

Year: 1996

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ Carrier Canal at Head	15,350	11,498	21,231	21,511	36,545	35,218	36,676	31,710	13,611	7,874	2,061	14,916	248,201
- Carrier Waste Gate	0	20	0	0	371	1,412	397	0	0	0	12	0	2,212
+ Oilfield Discharge (Texaco Inc.)	390	0	0	0	0	0	0	0	0	0	0	0	390
- Canal Refill	0	0	0	0	0	0	0	0	0	0	0	52	52
=	15,740	11,478	21,231	21,511	36,174	33,806	36,279	31,710	13,611	7,874	2,049	14,864	246,327
+ Oilfield Discharge (Arco Oil)	15	0	0	0	0	0	0	0	0	0	0	0	15
+ Storm Drain Inflow	22	40	0	0	0	0	0	0	0	24	143	87	316
- Eastside Canal at Head	583	478	1,376	2,337	3,211	3,453	3,342	2,444	1,240	894	0	0	19,358
- Kern Island Canal at Head	6,514	5,631	13,607	12,841	17,845	24,468	25,910	21,501	9,834	5,570	1,281	6,559	151,561
=	8,680	5,409	6,248	6,333	15,118	5,885	7,027	7,765	2,537	1,434	911	8,392	75,739
- Farmers-Stine-Anderson: to River	95	0	0	36	0	0	0	0	16	1,434	302	12	1,895
+ Farmers-Stine-Anderson: from River	0	1,980	6,135	3,362	19,271	21,648	21,813	13,442	7,478	0	8,394	8,678	112,201
=	8,585	7,389	12,383	9,659	34,389	27,533	28,840	21,207	9,999	0	9,003	17,058	186,045
- Stine Canal at Head	1,382	1,761	2,815	3,225	4,737	7,382	8,077	6,290	3,174	0	206	1,023	40,072
- Carrier to Truxtun Lakes	528	1,061	629	974	1,210	1,355	1,767	1,795	1,317	0	170	672	11,478
+ Truxtun Lakes to Carrier	367	833	308	230	643	629	849	724	474	0	65	339	5,461
- Arvin-Edison Turnout	0	0	0	0	0	6,706	13,872	5,612	2,797	0	1,850	8,600	39,437
- Total Carrier Canal Loss	738	466	509	722	868	909	992	880	715	0	1,008	754	8,561
+ River Canal from River	575	3,544	11,999	28,764	11,469	12,469	14,281	11,131	5,002	5,495	3,747	10,052	118,528
=	6,879	8,478	20,737	33,732	39,686	24,279	19,262	18,485	7,472	5,495	9,581	16,400	210,486
- Buena Vista Canal at Head	829	746	2,608	1,226	3,650	5,560	5,816	5,542	2,642	1,119	381	946	31,065
- Pioneer Turnout	5,667	6,740	11,292	16,064	10,861	3,824	3,005	2,936	577	746	990	3,533	66,235
- James Canal at Head	383	0	3,556	5,684	5,536	3,691	2,043	2,313	1,817	1,418	1,020	2,043	29,504
=	0	992	3,281	10,758	19,639	11,204	8,398	7,694	2,436	2,212	7,190	9,878	83,682
+ 2800 Acre Well Water Production	0	0	0	0	0	0	0	0	0	0	0	0	0
- River Canal Turnout	0	0	0	442	0	0	0	0	0	0	74	38	554
- Boswell Turnout	0	0	200	490	637	393	0	0	0	0	81	674	2,475
- Kern Delta WD via River Canal	0	0	0	0	0	220	184	440	34	0	0	0	878
- 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	208	686	922	587	284	141	0	0	2,828
=	0	992	3,081	9,826	18,794	9,905	7,292	6,667	2,118	2,071	7,035	9,166	76,947

**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	1,404	16,023	30,338	30,037	57,783	31,645	19,874	8,512	78	55	2,049	18,472	216,270
Release	584	2,789	681	637	1,658	0	0	0	956	1,175	4,132	20,312	32,924
<b>ENTITLEMENT + OR - RELEASE</b>	<b>=</b>	<b>1,988</b>	<b>18,812</b>	<b>30,674</b>	<b>59,441</b>	<b>31,645</b>	<b>19,874</b>	<b>8,512</b>	<b>1,034</b>	<b>1,230</b>	<b>6,181</b>	<b>38,784</b>	<b>249,194</b>
NKWS to City	5,669	0	0	0	0	0	0	0	0	0	0	0	5,669
From Reservoir Storage	2	22	0	0	945	12,534	27,412	25,975	3,697	458	5,154	543	76,742
Into Reservoir Storage	1,287	8,370	19,821	17,346	23,279	556	0	0	0	175	4,601	15,525	90,960
Other	405	12	0	0	0	0	0	0	(97)	0	8,056	22,220	30,596
<b>TOTAL SUPPLY</b>	<b>=</b>	<b>6,777</b>	<b>10,476</b>	<b>13,328</b>	<b>37,107</b>	<b>43,623</b>	<b>47,286</b>	<b>34,487</b>	<b>4,634</b>	<b>1,513</b>	<b>14,790</b>	<b>46,022</b>	<b>271,241</b>

Lake Ming	16	16	44	60	77	105	127	121	91	65	42	26	790
Kern Valley Golf Course	2	0	0	17	30	31	32	31	22	12	0	0	177
Oicese Water District	0	0	0	0	0	0	0	0	0	0	0	0	0
Glen Grundels	0	0	0	0	0	0	0	0	0	0	0	2	2
County of Kern	0	0	0	0	208	686	922	587	284	141	0	0	2,828
North Kern WSD	0	5,476	1,315	0	0	5,000	10,000	5,000	0	0	0	0	26,791
Cawelo WD	54	853	2,971	6,905	6,400	6,400	6,400	6,400	0	0	0	944	37,327
Kern-Tulare WD	617	325	2,377	3,457	4,375	4,011	8,587	9,665	0	0	0	0	33,414
Rag Gulch WD	92	49	357	518	655	600	1,287	1,447	0	0	0	0	5,005
Rosedale RBWSD	5,268	1,765	2,117	0	11,832	10,820	7,693	4,895	1,059	0	2,249	10,163	57,861
Rosedale Ranch ID	34	268	940	1,222	1,553	1,761	2,963	2,700	1,460	846	38	3	13,788
Bolthouse Farms, Inc.	0	0	0	0	89	129	24	199	83	0	0	0	524
Kern Delta WD	0	0	0	0	0	0	0	0	34	16	4	18	72
Arvin-Edison WSD	0	0	0	0	0	2,626	2,374	0	0	0	1,850	8,600	15,450
Kern County Water Agency	0	0	0	0	123	287	597	964	667	434	4,719	8,447	16,238
Kern Water Bank Authority	0	0	0	0	5,465	4,535	0	0	0	0	1,398	10,379	21,777
Improvement District #4	0	0	0	0	0	0	0	0	0	0	0	0	397
Kern River Canal & Irrigating Co.	0	0	0	0	0	0	0	0	0	0	0	0	0
Truxtun Lakes (Direct)	161	206	0	0	0	0	0	0	0	0	105	333	805
Truxtun Lakes (via I.D. #4)	0	0	0	0	0	0	0	0	0	0	0	0	0
2800 Acre Banking	0	300	0	0	0	0	0	0	0	0	0	0	300
River and Carrier Canal Loss	533	821	1,077	1,149	6,300	6,632	6,280	2,478	934	(1)	4,385	7,107	37,695
<b>TOTAL DIVERTED</b>	<b>=</b>	<b>6,777</b>	<b>10,476</b>	<b>13,328</b>	<b>37,107</b>	<b>43,623</b>	<b>47,286</b>	<b>34,487</b>	<b>4,634</b>	<b>1,513</b>	<b>14,790</b>	<b>46,022</b>	<b>271,241</b>

Into Reservoir Storage	1,287	8,370	19,821	17,346	23,279	556	0	0	0	175	4,601	15,525	90,960
Reservoir Evaporation Loss	103	71	317	722	1,172	1,480	1,235	674	321	210	121	56	6,482
From Reservoir Storage	2	22	0	0	945	12,534	27,412	25,975	3,697	458	5,154	543	76,742
<b>End of Month Reservoir Storage</b>	<b>16,924</b>	<b>25,201</b>	<b>44,705</b>	<b>61,329</b>	<b>82,491</b>	<b>69,033</b>	<b>40,386</b>	<b>13,737</b>	<b>9,719</b>	<b>9,226</b>	<b>8,552</b>	<b>23,478</b>	

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

Quantities in acre-feet

NORTH KERN WATER STORAGE DISTRICT					
Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract Delivered	Cumulative Contract Delivery	Basic Contract Balance
1977	20,000	20,000	20,000	20,000	0
1978	20,000	40,000	20,000	40,000	0
1979	20,000	60,000	20,000	60,000	0
1980	20,000	80,000	20,000	80,000	0
1981	20,000	100,000	20,000	100,000	0
1982	20,000	120,000	20,000	120,000	0
1983	20,000	140,000	20,000	140,000	0
1984	20,000	160,000	20,000	160,000	0
1985	20,000	180,000	20,000	180,000	0
1986	20,000	200,000	20,000	200,000	0
1987	20,000	220,000	20,000	220,000	0
1988	20,000	240,000	20,000	240,000	0
1989	20,000	260,000	20,000	260,000	0
1990	20,000	280,000	20,000	280,000	0
1991	20,000	300,000	20,000	300,000	0
1992	20,000	320,000	14,381	314,381	(5,619)
1993	20,000	340,000	23,700	338,081	(1,919)
1994	20,000	360,000	20,000	358,081	(1,919)
1995	20,000	380,000	21,919	380,000	0
1996	20,000	400,000	20,000	400,000	0

CAWELLO 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	22,460	332,281	(18,719)
1990	27,000	378,000	17,723	350,004	(27,996)
1991	27,000	405,000	29,316	379,320	(25,680)
1992	27,000	432,000	28,868	408,188	(23,812)
1993	27,000	459,000	32,000	440,188	(18,812)
1994	27,000	486,000	23,760	463,948	(22,052)
1995	27,000	513,000	32,000	495,948	(17,052)
1996	27,000	540,000	32,000	527,948	(12,052)

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	23,660	28,363	(11,637)
1979	20,000	60,000	24,122	52,485	(7,515)
1980	20,000	80,000	23,403	75,888	(4,112)
1981	20,000	100,000	23,700	99,588	(412)
1982	20,000	120,000	20,412	120,000	0
1983	20,000	140,000	4,587	124,587	(15,413)
1984	20,000	160,000	20,000	144,587	(15,413)
1985	20,000	180,000	20,000	164,587	(15,413)
1986	20,000	200,000	20,000	184,587	(15,413)
1987	20,000	220,000	20,000	204,587	(15,413)
1988	20,000	240,000	11,763	216,350	(23,650)
1989	20,000	260,000	16,635	232,985	(27,015)
1990	20,000	280,000	0	232,985	(47,015)
1991	20,000	300,000	20,000	252,985	(47,015)
1992	20,000	320,000	9,089	262,074	(57,926)
1993	20,000	340,000	29,332	291,406	(48,594)
1994	20,000	360,000	18,348	309,754	(50,246)
1995	20,000	380,000	32,733	342,487	(37,513)
1996	20,000	400,000	23,700	366,187	(33,813)

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	32,384	(3,636)
1989	3,000	39,000	2,495	34,859	(4,141)
1990	3,000	42,000	0	34,859	(7,141)
1991	3,000	45,000	3,000	37,859	(7,141)
1992	3,000	48,000	1,363	39,222	(8,778)
1993	3,000	51,000	4,394	43,616	(7,384)
1994	3,000	54,000	2,753	46,369	(7,631)
1995	3,000	57,000	4,963	51,362	(5,638)
1996	3,000	60,000	3,550	54,912	(5,088)

**CITY OF BAKERSFIELD**  
Deliveries to Long Term Contractors

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Basic Contract

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Year: 1996

Quantities in acre-feet

	NORTH KERN WSD		CAWELO WD		KERN-TULARE WD		RAG GULCH WD		MONTH TOTALS	
	Basic	Accum.	Basic	Accum.	Basic	Accum.	Basic	Accum.	Basic	Accum.
January	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0
March	0	0	1,670	1,670	2,377	2,377	357	357	4,404	4,404
April	0	0	4,730	6,400	3,457	5,834	518	875	8,705	13,109
May	0	0	6,400	12,800	4,375	10,209	655	1,530	11,430	24,539
June	5,000	5,000	6,400	19,200	4,011	14,220	600	2,130	16,011	40,550
July	10,000	15,000	6,400	25,600	4,740	18,960	710	2,840	21,850	62,400
August	5,000	20,000	6,400	32,000	4,740	23,700	710	3,550	16,850	79,250
September	0	20,000	0	32,000	0	23,700	0	3,550	0	79,250
October	0	20,000	0	32,000	0	23,700	0	3,550	0	79,250
November	0	20,000	0	32,000	0	23,700	0	3,550	0	79,250
December	0	20,000	0	32,000	0	23,700	0	3,550	0	79,250
<b>Year Total</b>	<b>20,000</b>		<b>32,000</b>		<b>23,700</b>		<b>3,550</b>		<b>79,250</b>	

City of Bakersfield Diverted to North Kern WSD (Basic Contract) (Does not include deliveries into Isabella Reservoir storage)												Year: 1996		
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	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	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	0	0	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	0	0
MINIMUM DAY	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.	0	0	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 AC.FT.,	0

City of Bakersfield Diverted to North Kern WSD  
(Miscellaneous) Year: 1996

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	7	81	0	0	0	0	0	0	0	0	0
2	0	6	85	0	0	0	0	0	0	0	0	0
3	0	0	77	0	0	0	0	0	0	0	0	0
4	0	0	61	0	0	0	0	0	0	0	0	0
5	0	0	99	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	18	0	0	0	0	0	0	0	0	0
8	0	18	32	0	0	0	0	0	0	0	0	0
9	0	17	30	0	0	0	0	0	0	0	0	0
10	0	14	47	0	0	0	0	0	0	0	0	0
11	0	8	50	0	0	0	0	0	0	0	0	0
12	0	4	16	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	12	0	0	0	0	0	0	0	0	0
15	0	6	35	0	0	0	0	0	0	0	0	0
16	0	20	20	0	0	0	0	0	0	0	0	0
17	0	22	0	0	0	0	0	0	0	0	0	0
18	0	23	0	0	0	0	0	0	0	0	0	0
19	0	18	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	373	0	0	0	0	0	0	0	0	0	0
24	0	439	0	0	0	0	0	0	0	0	0	0
25	0	412	0	0	0	0	0	0	0	0	0	0
26	0	331	0	0	0	0	0	0	0	0	0	0
27	0	338	0	0	0	0	0	0	0	0	0	0
28	0	374	0	0	0	0	0	0	0	0	0	0
29	0	331	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	2,761	663	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	439	99	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	95	21	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	0	5,476	1,315	0	0	0	0	0	0	0	0	0
WHOLE YEAR-- TOTAL,	3,424	MAX.,	439	MIN.,	0	MEAN,	9	TOTAL AC.FT.,	6,791			

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

Year: 1996

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	10	0	0	0	0	0	0	0	0	0	0
7	0	12	0	0	0	0	0	0	0	0	0	0
8	0	12	0	0	0	0	0	0	0	0	0	0
9	0	12	0	0	0	0	0	0	0	0	0	0
10	0	11	0	0	0	0	0	0	0	0	0	0
11	0	12	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	2	0	0	0	0	0	0	0	0	0	0
16	9	0	0	0	0	0	0	0	0	0	0	0
17	12	7	0	0	0	0	0	0	0	0	0	0
18	11	8	0	0	0	0	0	0	0	0	0	0
19	11	0	0	0	0	0	0	0	0	0	0	0
20	7	0	0	0	0	0	0	0	0	0	0	0
21	6	0	0	0	0	0	0	0	0	0	0	0
22	3	0	0	0	0	0	0	0	0	0	0	0
23	2	0	0	0	0	0	0	0	0	0	0	0
24	5	0	0	0	0	0	0	0	0	0	0	0
25	6	0	0	0	0	0	0	0	0	0	0	0
26	8	0	0	0	0	0	0	0	0	0	0	0
27	9	0	0	0	0	0	0	0	0	0	0	0
28	7	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	96	86	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	12	12	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	3	3	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	191	170	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	182	MAX.,	12	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	0	361	0

**CAWELO WATER DISTRICT OPERATIONS**

Year: 1996

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+ Cawelo WD via Pump Station "B"	208	633	2,161	6,898	10,381	12,182	12,538	11,554	6,843	3,949	2,261	1,250	70,858
Lerdo Delivery Gate No. 8-0-2	0	0	0	40	28	18	38	46	28	26	0	0	224
Lerdo Delivery Gate No. 8-0-10	0	0	0	0	0	107	190	0	0	54	0	0	351
Lerdo Delivery Gate No. 8-0-22	0	0	61	271	42	274	143	87	91	0	0	0	969
Lerdo Delivery Gate No. 8-0-25	0	22	36	32	75	83	109	95	30	40	0	0	522
Lerdo Delivery Gate No. 8-0-288	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-289	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-290	0	0	18	38	50	77	127	135	71	65	0	0	581
Lerdo Delivery Gate No. 8-0-291	0	6	14	60	109	145	200	115	127	71	0	0	847
Lerdo Delivery Gate No. 8-0-292	0	6	8	26	28	38	40	28	24	18	0	0	216
Lerdo Delivery Gate No. 8-23-006	0	0	0	26	73	103	69	32	36	0	0	0	339
+ Total Lerdo Gate Deliveries	0	34	137	493	405	845	916	538	407	274	0	0	4,049
Beardsley Canal Loss	14	38	58	60	61	60	61	61	60	61	60	56	650
Lerdo Loss	0	9	24	78	112	137	141	125	75	44	22	12	779
+ Total Loss	14	47	82	138	173	197	202	186	135	105	82	68	1,429
= Total Diverted for Cawelo WD	222	714	2,380	7,529	10,959	13,224	13,656	12,278	7,385	4,328	2,343	1,318	76,336

**Cawelo Water District Source of Supply:**

+ City of Bakersfield Basic Contract	0	0	1,670	4,730	6,400	6,400	6,400	6,400	0	0	0	0	32,000
+ City of Bakersfield Miscellaneous	54	252	0	2,077	0	0	0	0	0	0	0	944	3,327
+ City of Bakersfield Non-Kern River	168	462	710	722	312	75	38	47	60	62	63	90	2,809
+ Buena Vista WSD Exchange	0	0	0	0	4,247	6,749	7,218	5,831	7,325	4,266	2,280	284	38,200
+ 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	0	0	0	0	0
+ via CVC Conduit "A"	0	0	0	0	0	0	0	0	0	0	0	0	0
+ North Kern WSD Non-Kern River	0	0	0	0	0	0	0	0	0	0	0	0	0
= Total Cawelo Water District Supply	222	714	2,380	7,529	10,959	13,224	13,656	12,278	7,385	4,328	2,343	1,318	76,336

Cawelo Water District Total from Beardsley-Lerdo Canal System Year: 1996

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16	17	20	70	151	200	207	229	171	112	33	41
2	16	16	19	75	149	188	208	230	174	115	33	41
3	16	16	16	75	151	229	232	224	169	111	33	36
4	16	16	16	115	137	228	223	215	169	94	18	35
5	0	16	0	121	134	229	227	222	174	92	33	76
6	0	0	0	122	140	231	226	210	146	79	33	35
7	0	0	16	121	138	222	221	209	110	91	33	19
8	0	0	17	127	141	213	224	211	105	88	34	18
9	0	0	16	107	134	218	227	212	113	86	49	18
10	0	0	16	100	174	219	230	203	103	79	50	18
11	0	0	16	98	174	227	229	204	99	85	49	18
12	0	16	19	115	147	233	229	206	111	82	33	19
13	0	17	35	116	189	237	224	208	112	79	34	18
14	0	16	36	113	188	234	218	213	109	81	33	18
15	0	0	36	122	206	221	220	210	97	56	34	18
16	0	0	35	136	209	220	230	209	138	56	33	18
17	0	0	36	137	206	222	231	200	133	81	33	19
18	0	0	52	137	203	219	237	201	132	80	34	18
19	0	17	54	136	196	223	227	203	110	78	33	18
20	0	17	51	135	205	232	218	206	113	79	33	18
21	0	16	52	119	199	225	216	205	110	56	34	18
22	0	16	51	133	208	216	218	193	111	47	35	18
23	0	17	52	161	203	215	230	177	119	48	35	19
24	0	16	50	162	189	216	229	172	116	53	50	18
25	0	16	62	162	181	229	222	170	118	50	49	18
26	0	21	56	156	172	228	213	172	114	44	78	18
27	0	19	62	177	183	227	216	177	113	38	51	0
28	0	38	78	175	205	227	212	177	110	42	50	0
29	16	37	78	149	209	219	214	176	110	33	50	0
30	16	-	76	124	203	220	219	172	114	34	51	18
31	16	-	77	-	201	-	208	174	-	33	-	18
TOTAL	112	360	1,200	3,796	5,525	6,667	6,885	6,190	3,723	2,182	1,181	664
MAXIMUM DAY	16	38	78	177	209	237	237	230	174	115	78	76
MINIMUM DAY	0	0	0	70	134	188	207	170	97	33	18	0
MEAN	4	12	39	127	178	222	222	200	124	70	39	21
TOTAL AC.FT.	222	714	2,380	7,529	10,959	13,224	13,656	12,278	7,385	4,328	2,343	1,318
WHOLE YEAR:-	TOTAL,	38,485	MAX.,	237	MIN.,	0	MEAN,	105	TOTAL AC.FT.,	76,336		

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

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1996

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	8	59	150	198	206	229	0	0	0	0
2	0	0	6	64	147	186	207	230	0	0	0	0
3	0	0	4	63	149	228	231	224	0	0	0	0
4	0	0	5	103	135	227	222	215	0	0	0	0
5	0	0	0	107	132	228	226	222	0	0	0	0
6	0	0	0	108	138	230	225	210	0	0	0	0
7	0	0	5	107	137	220	220	209	0	0	0	0
8	0	0	5	114	140	212	223	210	0	0	0	0
9	0	0	2	94	133	216	226	211	0	0	0	0
10	0	0	2	87	173	218	229	202	0	0	0	0
11	0	0	5	85	173	226	228	203	0	0	0	0
12	0	0	8	102	146	232	228	205	0	0	0	0
13	0	0	23	103	188	235	223	207	0	0	0	0
14	0	0	24	102	176	232	217	212	0	0	0	0
15	0	0	23	112	195	139	116	209	0	0	0	0
16	0	0	22	125	199	0	0	28	0	0	0	0
17	0	0	23	125	194	0	0	0	0	0	0	0
18	0	0	41	125	190	0	0	0	0	0	0	0
19	0	0	42	123	183	0	0	0	0	0	0	0
20	0	0	40	119	149	0	0	0	0	0	0	0
21	0	0	40	104	0	0	0	0	0	0	0	0
22	0	0	38	120	0	0	0	0	0	0	0	0
23	0	0	39	134	0	0	0	0	0	0	0	0
24	0	0	38	0	0	0	0	0	0	0	0	0
25	0	0	50	0	0	0	0	0	0	0	0	0
26	0	0	45	0	0	0	0	0	0	0	0	0
27	0	0	50	0	0	0	0	0	0	0	0	0
28	0	0	65	0	0	0	0	0	0	0	0	0
29	0	0	64	0	0	0	0	0	0	0	0	0
30	0	0	61	0	0	0	0	0	0	0	0	0
31	0	0	64	0	0	0	0	0	0	0	0	0
TOTAL	0	0	842	2,385	3,227	3,227	3,227	3,226	0	0	0	0
MAXIMUM DAY	0	0	65	134	199	235	231	230	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	27	80	104	108	104	104	0	0	0	0
TOTAL AC.FT.	0	0	1,670	4,730	6,400	6,400	6,400	6,400	0	0	0	0
WHOLE YEAR:-	TOTAL,	16,134	MAX.,	235	MIN.,	0	MEAN,	44	TOTAL AC.FT.,	32,000		

DISCHARGE IN CUBIC FEET PER SECOND

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

Year: 1996

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1												
2	2	5	0	0	0	0	0	0	0	0	0	0
3	5	2	0	0	0	0	0	0	0	0	0	0
4	5	4	0	0	0	0	0	0	0	0	0	0
5	4	5	0	0	0	0	0	0	0	0	0	5
6	0	3	0	0	0	0	0	0	0	0	0	75
7	0	0	0	0	0	0	0	0	0	0	0	34
8	0	0	0	0	0	0	0	0	0	0	0	18
9	0	0	0	0	0	0	0	0	0	0	0	17
10	0	0	0	0	0	0	0	0	0	0	0	17
11	0	0	0	0	0	0	0	0	0	0	0	17
12	0	4	0	0	0	0	0	0	0	0	0	18
13	0	7	0	0	0	0	0	0	0	0	0	17
14	0	4	0	0	0	0	0	0	0	0	0	17
15	0	0	0	0	0	0	0	0	0	0	0	17
16	0	0	0	0	0	0	0	0	0	0	0	17
17	0	0	0	0	0	0	0	0	0	0	0	18
18	0	0	0	0	0	0	0	0	0	0	0	17
19	0	4	0	0	0	0	0	0	0	0	0	12
20	0	4	0	0	0	0	0	0	0	0	0	6
21	0	4	0	0	0	0	0	0	0	0	0	17
22	0	5	0	0	0	0	0	0	0	0	0	17
23	0	4	0	14	0	0	0	0	0	0	0	18
24	0	3	0	150	0	0	0	0	0	0	0	17
25	0	4	0	148	0	0	0	0	0	0	0	17
26	0	9	0	143	0	0	0	0	0	0	0	17
27	0	7	0	164	0	0	0	0	0	0	0	0
28	0	25	0	162	0	0	0	0	0	0	0	0
29	4	24	0	144	0	0	0	0	0	0	0	0
30	4	-	0	122	0	0	0	0	0	0	0	17
31	3	-	0	-	0	-	0	0	-	0	-	17
TOTAL	27	127	0	1,047	0	0	0	0	0	0	0	476
MAXIMUM DAY	5	25	0	164	0	0	0	0	0	0	0	75
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	4	0	35	0	0	0	0	0	0	0	15
TOTAL AC.FT.	54	252	0	2,077	0	0	0	0	0	0	0	944
WHOLE YEAR-- TOTAL,		1,677	MAX.,	164	MIN.,	0	MEAN,	5	TOTAL AC.FT.,		3,327	

Year: 1996

City of Bakersfield Diverted for Cawelo Water District  
via 2800 Acre Recharge Facility  
(Miscellaneous)

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	29	0	0	0	0	0	0	0	0	0
2	0	0	50	0	0	0	0	0	0	0	0	0
3	0	0	50	0	0	0	0	0	0	0	0	0
4	0	0	50	0	0	0	0	0	0	0	0	0
5	0	0	50	0	0	0	0	0	0	0	0	0
6	0	0	50	0	0	0	0	0	0	0	0	0
7	0	0	36	0	0	0	0	0	0	0	0	0
8	0	0	48	0	0	0	0	0	0	0	0	0
9	0	0	50	0	0	0	0	0	0	0	0	0
10	0	0	45	0	0	0	0	0	0	0	0	0
11	0	0	41	0	0	0	0	0	0	0	0	0
12	0	0	50	0	0	0	0	0	0	0	0	0
13	0	0	49	0	0	0	0	0	0	0	0	0
14	0	0	50	0	0	0	0	0	0	0	0	0
15	0	0	8	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	14	0	0	0	0	0	0	0	0	0	0
25	0	23	0	27	0	0	0	0	0	0	0	0
26	0	55	0	22	0	0	0	0	0	0	0	0
27	0	95	0	0	0	0	0	0	0	0	0	0
28	0	46	0	0	0	0	0	0	0	0	0	0
29	0	70	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	303	656	49	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	95	50	27	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	10	21	2	0	0	0	0	0	0	0	0
TOTAL AC.FT.	0	601	1,301	98	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,008	MAX.,	95	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	2,000		

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

Year: 1996

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14	12	12	11	1	2	1	0	1	1	1	1
2	11	14	13	11	2	2	1	0	1	1	1	2
3	11	12	12	12	2	1	1	0	1	1	1	1
4	12	11	11	12	2	1	1	0	1	1	1	1
5	0	13	0	14	2	1	1	0	1	1	1	1
6	0	0	0	14	2	1	1	0	1	1	1	1
7	0	0	11	14	1	2	1	0	1	1	1	1
8	0	0	12	13	1	1	1	1	1	1	1	1
9	0	0	14	13	1	2	1	1	1	1	1	1
10	0	0	14	13	1	1	1	1	1	1	1	1
11	0	0	11	13	1	1	1	1	1	1	1	1
12	0	12	11	13	1	1	1	1	1	1	1	1
13	0	10	12	13	1	2	1	1	1	1	1	1
14	0	12	12	11	12	2	1	1	1	1	1	1
15	0	0	13	10	11	1	1	1	1	1	1	1
16	0	0	13	11	10	2	1	1	1	1	1	1
17	0	0	13	12	12	2	1	1	1	1	2	1
18	0	0	11	12	13	1	1	1	1	1	1	1
19	0	13	12	13	13	1	1	1	1	1	1	6
20	0	13	11	16	13	1	0	1	1	1	1	12
21	0	12	12	15	12	1	0	1	1	1	1	1
22	0	11	13	13	11	1	0	1	1	1	1	1
23	0	13	13	13	11	1	0	1	1	1	1	1
24	0	13	12	12	13	1	0	1	1	1	1	1
25	0	12	12	14	1	1	0	1	1	1	1	1
26	0	12	11	13	2	1	0	1	1	1	1	1
27	0	12	12	13	1	1	0	1	1	1	1	0
28	0	13	13	13	1	1	0	1	1	1	1	0
29	12	13	14	5	1	1	0	1	1	1	1	0
30	12	-	15	2	1	1	0	1	1	1	2	1
31	13	-	13	-	1	-	0	1	-	1	-	1
TOTAL	85	233	358	364	157	38	19	24	30	31	32	45
MAXIMUM DAY	14	14	15	16	13	2	1	1	1	1	2	12
MINIMUM DAY	0	0	0	2	1	1	0	0	1	1	1	0
MEAN	3	8	12	12	5	1	1	1	1	1	1	1
TOTAL AC.FT.	168	462	710	722	312	75	38	47	60	62	63	90
WHOLE YEAR:-	TOTAL,	1,416	MAX.,	16	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	2,809		

Year: 1996

Buena Vista WSD Diverted to Cawelo WD

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	170	111	32	40
2	0	0	0	0	0	0	0	0	173	114	32	39
3	0	0	0	0	0	0	0	0	168	110	32	35
4	0	0	0	0	0	0	0	0	168	93	17	29
5	0	0	0	0	0	0	0	0	173	91	32	0
6	0	0	0	0	0	0	0	0	145	78	32	0
7	0	0	0	0	0	0	0	0	109	90	33	0
8	0	0	0	0	0	0	0	0	104	87	48	0
9	0	0	0	0	0	0	0	0	112	85	49	0
10	0	0	0	0	0	0	0	0	102	78	48	0
11	0	0	0	0	0	0	0	0	98	84	32	0
12	0	0	0	0	0	0	0	0	110	81	33	0
13	0	0	0	0	0	0	0	0	111	78	32	0
14	0	0	0	0	0	0	0	0	108	80	32	0
15	0	0	0	0	0	81	103	0	96	55	33	0
16	0	0	0	0	0	218	229	180	137	55	32	0
17	0	0	0	0	0	220	230	199	132	80	31	0
18	0	0	0	0	0	218	236	200	131	79	33	0
19	0	0	0	0	0	222	226	202	109	77	32	0
20	0	0	0	0	43	231	218	205	112	78	32	0
21	0	0	0	0	187	224	216	204	109	55	33	0
22	0	0	0	0	197	215	218	192	110	46	34	0
23	0	0	0	0	192	214	230	176	118	47	34	0
24	0	0	0	0	176	215	229	171	115	52	49	0
25	0	0	0	0	180	228	222	169	117	49	48	0
26	0	0	0	0	170	227	213	171	113	43	77	0
27	0	0	0	0	182	226	216	176	112	37	50	0
28	0	0	0	0	204	226	212	176	109	41	49	0
29	0	0	0	0	208	218	214	175	109	32	49	0
30	0	-	0	0	202	219	219	171	113	33	49	0
31	0	-	0	-	200	-	208	173	-	32	-	0
TOTAL	0	0	0	0	2,141	3,402	3,639	2,940	3,693	2,151	1,149	143
MAXIMUM DAY	0	0	0	0	208	231	236	205	173	114	77	40
MINIMUM DAY	0	0	0	0	0	0	0	0	96	32	17	0
MEAN	0	0	0	0	69	113	117	95	123	69	38	5
TOTAL AC.FT.	0	0	0	0	4,247	6,749	7,218	5,831	7,325	4,266	2,280	284
WHOLE YEAR:-	TOTAL,	19,258	MAX.,	236	MIN.,	0	MEAN,	53	TOTAL AC.FT.,		98,200	

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

Year: 1996

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+ Total Basic Contract Diverted	0	0	2,734	3,975	5,030	4,611	5,450	5,450	0	0	0	0	27,250
- Kern-Tulare Water District	0	0	2,377	3,457	4,375	4,011	4,740	4,740	0	0	0	0	23,700
= Rag Gulch Water District	0	0	357	518	655	600	710	710	0	0	0	0	3,550
+ Total Misc. Quantity Diverted	709	374	0	0	0	0	4,424	5,662	0	0	0	0	11,169
- Kern-Tulare Water District	617	325	0	0	0	0	3,847	4,925	0	0	0	0	9,714
= Rag Gulch Water District	92	49	0	0	0	0	577	737	0	0	0	0	1,455
<b>= Total Diverted</b>	<b>709</b>	<b>374</b>	<b>2,734</b>	<b>3,975</b>	<b>5,030</b>	<b>4,611</b>	<b>9,874</b>	<b>11,112</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38,419</b>
via Calloway Canal	554	285	1,850	2,455	4,215	3,953	4,545	4,411	0	0	0	0	22,268
+ River Transportation Loss/Spreading	155	89	258	479	8	0	0	0	0	0	0	0	989
+ Carrier Canal Recharge	0	0	321	744	567	658	905	1039	0	0	0	0	4,234
+ via Kern River Canal & Irrigating Co.	0	0	305	297	240	0	0	0	0	0	0	0	842
- Total Diverted to I.D. #4	709	374	2,734	3,975	5,030	4,611	5,450	5,450	0	0	0	0	28,333
- Kern-Tulare Water District	617	325	2,377	3,457	4,375	4,011	4,740	4,740	0	0	0	0	24,642
= Rag Gulch Water District	92	49	357	518	655	600	710	710	0	0	0	0	3,691
via Arvin-Edison Turnout	0	0	0	0	0	0	4,388	5,612	0	0	0	0	10,000
+ Canal Transportation Loss	0	0	0	0	0	0	36	50	0	0	0	0	86
- Total Diverted to Arvin-Edison T.O.	0	0	0	0	0	0	4,424	5,662	0	0	0	0	10,086
- Kern-Tulare Water District	0	0	0	0	0	0	3,847	4,925	0	0	0	0	8,772
= Rag Gulch Water District	0	0	0	0	0	0	577	737	0	0	0	0	1,314
= 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: 1996

DISCHARGE IN CUBIC FEET PER SECOND	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	27	54	63	60	74	83	0	0	0	0
2	0	0	23	56	63	71	79	85	0	0	0	0
3	0	0	22	54	59	76	86	82	0	0	0	0
4	0	0	23	52	56	72	84	80	0	0	0	0
5	0	0	24	53	66	71	75	75	0	0	0	0
6	0	0	28	54	100	73	75	77	0	0	0	0
7	0	0	30	54	99	78	77	82	0	0	0	0
8	0	0	32	44	108	76	70	77	0	0	0	0
9	0	0	38	61	85	75	70	81	0	0	0	0
10	0	0	35	50	99	77	76	83	0	0	0	0
11	0	0	23	48	97	73	72	68	0	0	0	0
12	0	0	30	53	88	62	79	71	0	0	0	0
13	0	0	30	57	114	63	77	83	0	0	0	0
14	0	0	27	66	57	64	76	82	0	0	0	0
15	0	0	33	66	53	76	80	77	0	0	0	0
16	0	0	35	60	43	76	82	79	0	0	0	0
17	0	0	34	54	58	77	80	77	0	0	0	0
18	0	0	30	50	55	78	69	82	0	0	0	0
19	0	0	40	55	53	79	74	79	0	0	0	0
20	0	0	45	63	55	78	77	77	0	0	0	0
21	0	0	61	59	68	77	81	74	0	0	0	0
22	0	0	81	65	67	71	79	80	0	0	0	0
23	0	0	57	59	58	75	85	79	0	0	0	0
24	0	0	49	54	58	73	86	83	0	0	0	0
25	0	0	51	56	66	67	78	85	0	0	0	0
26	0	0	50	54	75	76	75	72	0	0	0	0
27	0	0	50	89	65	68	81	77	0	0	0	0
28	0	0	47	77	59	60	78	80	0	0	0	0
29	0	0	48	61	72	0	80	81	0	0	0	0
30	0	0	50	65	74	0	84	78	0	0	0	0
31	0	0	46	-	73	-	50	21	-	-	-	0
TOTAL	0	0	1,199	1,743	2,206	2,022	2,389	2,390	0	0	0	0
MAXIMUM DAY	0	0	81	89	114	79	86	85	0	0	0	0
MINIMUM DAY	0	0	22	44	43	0	50	21	0	0	0	0
MEAN	0	0	39	58	71	67	77	77	0	0	0	0
TOTAL AC.FT.	0	0	2,377	3,457	4,375	4,011	4,740	4,740	0	0	0	0
WHOLE YEAR:-	TOTAL,	11,949	MAX.,	114	MIN.,	0	MEAN,	33	TOTAL AC.FT.,	23,700		

City of Bakersfield Diverted for Kern-Tulare WD  
(Kern-Tulare WD/Improvement District No. 4 Exchange)  
(Miscellaneous) Year: 1996

DISCHARGE IN CUBIC FEET PER SECOND	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
DATE												
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	21	0	0	0	0	0	0	0	0	0	0	0
6	21	0	0	0	0	0	0	0	0	0	0	0
7	22	0	0	0	0	0	0	0	0	0	0	0
8	32	0	0	0	0	0	0	0	0	0	0	0
9	27	0	0	0	0	0	0	0	0	0	0	0
10	29	0	0	0	0	0	0	0	0	0	0	0
11	26	0	0	0	0	0	0	0	0	0	0	0
12	25	0	0	0	0	0	0	0	0	0	0	0
13	30	0	0	0	0	0	0	0	0	0	0	0
14	32	0	0	0	0	0	0	0	0	0	0	0
15	30	0	0	0	0	0	0	0	0	0	0	0
16	16	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	21	0	0	0	0	0	0	0	0	0	0
24	0	8	0	0	0	0	0	0	0	0	0	0
25	0	26	0	0	0	0	0	0	0	0	0	0
26	0	22	0	0	0	0	0	0	0	0	0	0
27	0	25	0	0	0	0	0	0	0	0	0	0
28	0	31	0	0	0	0	0	0	0	0	0	0
29	0	31	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	311	164	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	32	31	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	10	6	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	617	325	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR-- TOTAL,	475	MAX.,	32	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	942			

City of Bakersfield Diverted for Kern-Tulare WD  
via Arvin-Edison Turnout  
(Miscellaneous)

Year: 1996

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	87	0	0	0	0
2	0	0	0	0	0	0	0	88	0	0	0	0
3	0	0	0	0	0	0	0	88	0	0	0	0
4	0	0	0	0	0	0	0	86	0	0	0	0
5	0	0	0	0	0	0	0	86	0	0	0	0
6	0	0	0	0	0	0	0	88	0	0	0	0
7	0	0	0	0	0	0	0	86	0	0	0	0
8	0	0	0	0	0	0	0	83	0	0	0	0
9	0	0	0	0	0	0	0	83	0	0	0	0
10	0	0	0	0	0	0	0	82	0	0	0	0
11	0	0	0	0	0	0	0	86	0	0	0	0
12	0	0	0	0	0	0	0	87	0	0	0	0
13	0	0	0	0	0	0	21	89	0	0	0	0
14	0	0	0	0	0	0	16	84	0	0	0	0
15	0	0	0	0	0	0	27	89	0	0	0	0
16	0	0	0	0	0	0	106	87	0	0	0	0
17	0	0	0	0	0	0	106	90	0	0	0	0
18	0	0	0	0	0	0	115	83	0	0	0	0
19	0	0	0	0	0	0	110	88	0	0	0	0
20	0	0	0	0	0	0	101	90	0	0	0	0
21	0	0	0	0	0	0	111	89	0	0	0	0
22	0	0	0	0	0	0	125	88	0	0	0	0
23	0	0	0	0	0	0	165	88	0	0	0	0
24	0	0	0	0	0	0	171	87	0	0	0	0
25	0	0	0	0	0	0	171	88	0	0	0	0
26	0	0	0	0	0	0	164	90	0	0	0	0
27	0	0	0	0	0	0	118	88	0	0	0	0
28	0	0	0	0	0	0	83	82	0	0	0	0
29	0	0	0	0	0	0	70	53	0	0	0	0
30	0	0	0	0	0	0	72	0	0	0	0	0
31	0	0	0	0	0	0	87	0	0	0	0	0
TOTAL	0	0	0	0	0	0	1,939	2,483	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	171	90	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	63	80	0	0	0	0
TOTAL AC.FT.	0	0	0	0	0	0	3,847	4,925	0	0	0	0
WHOLE YEAR:-	TOTAL,	4,422	MAX.,	171	MIN.,	0	MEAN,	12	TOTAL AC.FT.,	8,772		

Year: 1996

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

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	4	8	10	9	11	12	0	0	0	0
2	0	0	4	8	10	11	12	13	0	0	0	0
3	0	0	3	8	9	11	13	12	0	0	0	0
4	0	0	4	8	8	11	13	12	0	0	0	0
5	0	0	4	8	10	11	11	11	0	0	0	0
6	0	0	4	8	15	11	11	11	0	0	0	0
7	0	0	5	8	15	12	12	12	0	0	0	0
8	0	0	5	7	15	11	11	11	0	0	0	0
9	0	0	5	9	13	11	10	12	0	0	0	0
10	0	0	5	8	15	12	11	13	0	0	0	0
11	0	0	4	7	14	11	11	10	0	0	0	0
12	0	0	4	8	13	9	12	11	0	0	0	0
13	0	0	5	9	16	10	11	12	0	0	0	0
14	0	0	4	10	9	10	11	12	0	0	0	0
15	0	0	5	10	8	11	12	12	0	0	0	0
16	0	0	5	9	7	11	12	12	0	0	0	0
17	0	0	5	8	9	11	12	12	0	0	0	0
18	0	0	5	7	8	12	10	12	0	0	0	0
19	0	0	6	8	8	12	11	12	0	0	0	0
20	0	0	7	9	8	12	12	11	0	0	0	0
21	0	0	8	9	10	11	12	11	0	0	0	0
22	0	0	11	10	10	11	12	12	0	0	0	0
23	0	0	9	9	9	11	13	12	0	0	0	0
24	0	0	7	8	9	11	13	12	0	0	0	0
25	0	0	8	8	10	10	12	13	0	0	0	0
26	0	0	7	8	11	11	11	11	0	0	0	0
27	0	0	8	13	10	10	12	12	0	0	0	0
28	0	0	7	12	9	9	12	12	0	0	0	0
29	0	0	7	9	10	0	12	12	0	0	0	0
30	0	-	8	10	11	0	13	12	0	0	0	0
31	0	-	7	-	11	-	7	4	-	-	-	0
TOTAL	0	0	180	261	330	303	358	358	0	0	0	0
MAXIMUM DAY	0	0	11	13	16	12	13	13	0	0	0	0
MINIMUM DAY	0	0	3	7	7	0	7	4	0	0	0	0
MEAN	0	0	6	9	11	10	12	12	0	0	0	0
TOTAL AC.FT.	0	0	357	518	655	600	710	710	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,790	MAX.,	16	MIN.,	0	MEAN,	5	TOTAL AC.FT.,	3,550		

Year: 1996

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

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	3	0	0	0	0	0	0	0	0	0	0	0
6	3	0	0	0	0	0	0	0	0	0	0	0
7	3	0	0	0	0	0	0	0	0	0	0	0
8	5	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	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	5	0	0	0	0	0	0	0	0	0	0	0
15	5	0	0	0	0	0	0	0	0	0	0	0
16	2	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	3	0	0	0	0	0	0	0	0	0	0
24	0	1	0	0	0	0	0	0	0	0	0	0
25	0	4	0	0	0	0	0	0	0	0	0	0
26	0	3	0	0	0	0	0	0	0	0	0	0
27	0	4	0	0	0	0	0	0	0	0	0	0
28	0	5	0	0	0	0	0	0	0	0	0	0
29	0	5	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	46	25	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	5	5	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	1	1	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	92	49	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	71	MAX.,	5	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	141		

City of Bakersfield Diverted for Rag Gulch WD  
via Arvin-Edison Turnout  
(Miscellaneous)

Year: 1996

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	13	0	0	0	0
2	0	0	0	0	0	0	0	13	0	0	0	0
3	0	0	0	0	0	0	0	13	0	0	0	0
4	0	0	0	0	0	0	0	13	0	0	0	0
5	0	0	0	0	0	0	0	13	0	0	0	0
6	0	0	0	0	0	0	0	13	0	0	0	0
7	0	0	0	0	0	0	0	14	0	0	0	0
8	0	0	0	0	0	0	0	13	0	0	0	0
9	0	0	0	0	0	0	0	13	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	13	0	0	0	0
12	0	0	0	0	0	0	0	13	0	0	0	0
13	0	0	0	0	0	0	3	13	0	0	0	0
14	0	0	0	0	0	0	2	14	0	0	0	0
15	0	0	0	0	0	0	4	13	0	0	0	0
16	0	0	0	0	0	0	16	13	0	0	0	0
17	0	0	0	0	0	0	16	13	0	0	0	0
18	0	0	0	0	0	0	17	12	0	0	0	0
19	0	0	0	0	0	0	16	13	0	0	0	0
20	0	0	0	0	0	0	16	13	0	0	0	0
21	0	0	0	0	0	0	16	13	0	0	0	0
22	0	0	0	0	0	0	19	13	0	0	0	0
23	0	0	0	0	0	0	25	13	0	0	0	0
24	0	0	0	0	0	0	26	13	0	0	0	0
25	0	0	0	0	0	0	27	14	0	0	0	0
26	0	0	0	0	0	0	24	14	0	0	0	0
27	0	0	0	0	0	0	18	13	0	0	0	0
28	0	0	0	0	0	0	12	12	0	0	0	0
29	0	0	0	0	0	0	10	7	0	0	0	0
30	0	-	0	0	0	0	11	0	0	0	0	0
31	0	-	0	-	0	-	13	0	-	0	-	0
TOTAL	0	0	0	0	0	0	291	372	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	27	14	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	9	12	0	0	0	0
TOTAL AC.FT.	0	0	0	0	0	0	577	737	0	0	0	0
WHOLE YEAR:-	TOTAL,	663	MAX.,	27	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,314		

Total Flow via the Rosedale Channel at Head (All Sources)  
(Diverted from Kern River Channel) Year: 1996

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	227	210	163	232	151	73	76	0	0	247
2	0	0	228	195	169	244	149	73	75	0	0	231
3	0	0	229	163	170	254	147	75	77	0	0	75
4	54	0	230	166	171	248	147	77	76	0	0	8
5	283	54	221	166	169	247	146	70	76	0	0	0
6	279	236	207	167	166	248	148	77	74	0	0	0
7	273	254	210	165	167	254	148	76	73	0	0	0
8	265	158	212	165	164	254	148	74	49	0	0	0
9	248	113	213	167	164	249	148	114	0	0	0	29
10	232	132	212	165	164	247	149	175	0	0	0	81
11	229	140	210	164	165	242	153	186	0	0	0	113
12	232	155	212	149	165	249	115	136	0	0	0	227
13	230	152	211	151	167	244	76	74	0	0	0	239
14	185	151	208	152	165	224	76	78	0	0	0	249
15	146	153	205	152	182	192	75	76	0	0	0	198
16	0	152	201	152	216	189	73	75	0	0	0	175
17	0	160	206	153	217	171	73	70	0	0	0	180
18	0	161	211	150	213	147	74	72	0	0	0	181
19	0	175	219	152	213	146	73	96	0	0	0	179
20	0	288	217	153	214	154	70	143	0	0	0	180
21	0	281	213	149	223	154	70	127	0	0	0	177
22	0	241	219	149	225	152	73	56	0	0	0	166
23	0	251	216	148	223	154	75	39	0	0	0	138
24	0	248	211	149	229	148	77	46	0	0	0	131
25	0	246	213	149	226	151	76	52	0	0	0	133
26	0	250	217	149	225	151	76	55	0	0	191	135
27	0	233	211	148	229	149	75	49	0	0	227	140
28	0	229	213	151	229	148	75	33	0	0	246	134
29	0	229	213	158	227	149	75	64	0	0	240	134
30	0	-	214	162	225	149	74	82	0	0	230	133
31	0	-	215	-	228	-	76	75	-	0	-	153
TOTAL	2,656	4,842	6,644	4,769	6,073	5,940	3,161	2,568	576	0	1,134	4,166
MAXIMUM DAY	283	288	230	210	229	254	153	186	77	0	246	249
MINIMUM DAY	0	0	201	148	163	146	70	33	0	0	0	0
MEAN	86	167	214	159	196	198	102	83	19	0	38	134
TOTAL AC.FT.	5,268	9,604	13,178	9,459	12,046	11,782	6,270	5,094	1,142	0	2,249	8,263
WHOLE YEAR:-	TOTAL,	42,529	MAX.,	288	MIN.,	0	MEAN,	116	TOTAL AC.FT.,	84,355		

Year: 1996

City of Bakersfield Diverted for Rosedale Rio Bravo WSD  
via Arvin-Edison Turnout

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	75	0	0	0	0	0
14	0	0	0	0	0	0	75	0	0	0	0	0
15	0	0	0	0	0	0	75	0	0	0	0	0
16	0	0	0	0	0	0	75	0	0	0	0	0
17	0	0	0	0	0	0	75	0	0	0	0	0
18	0	0	0	0	0	0	75	0	0	0	0	0
19	0	0	0	0	0	0	75	0	0	0	0	0
20	0	0	0	0	0	0	75	0	0	0	0	0
21	0	0	0	0	0	0	75	0	0	0	0	0
22	0	0	0	0	0	0	55	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	730	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	75	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	24	0	0	0	0	0
TOTAL AC.FT.	0	0	0	0	0	0	1,447	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	730	MAX.,	75	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,447		

City of Bakersfield Diverted for Rosedale Rio Bravo WSD  
(Pursuant to ID#4/RRBWS/D/City Exchange Agreement dated 12-23-96) Year: 1996

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	47
25	0	0	0	0	0	0	0	0	0	0	0	90
26	0	0	0	0	0	0	0	0	0	0	0	90
27	0	0	0	0	0	0	0	0	0	0	0	90
28	0	0	0	0	0	0	0	0	0	0	0	81
29	0	0	0	0	0	0	0	0	0	0	0	85
30	0	-	0	0	0	0	0	0	0	0	0	89
31	0	-	0	-	0	-	0	0	-	0	-	84
TOTAL	0	0	0	0	0	0	0	0	0	0	0	656
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	90
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	21
TOTAL AC.FT.	0	0	0	0	0	0	0	0	0	0	0	1,301
WHOLE YEAR:-	TOTAL,	656	MAX.,	90	MIN.,	0	MEAN,	2	TOTAL AC.FT.,	1,301		

City of Bakersfield Diverted to Wm. Bothouse Farms, Inc.  
via Rosedale Channel (Miscellaneous) Year: 1996

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	1	3	3	0	5	5	0	0	0
2	0	0	0	1	2	3	0	4	5	0	0	0
3	0	0	0	2	0	0	1	3	5	0	0	0
4	0	0	0	3	0	0	1	1	5	0	0	0
5	0	0	0	4	0	2	0	2	6	0	0	0
6	0	0	0	4	0	4	0	4	5	0	0	0
7	0	0	0	3	0	3	0	4	5	0	0	0
8	0	0	0	2	0	2	0	5	6	0	0	0
9	0	0	0	0	3	0	0	5	0	0	0	0
10	0	0	0	0	3	3	0	4	0	0	0	0
11	0	0	0	0	4	3	0	4	0	0	0	0
12	0	0	0	0	0	3	0	2	0	0	0	0
13	0	0	0	2	3	3	0	2	0	0	0	0
14	0	0	0	4	0	2	0	2	0	0	0	0
15	0	0	0	4	3	3	0	2	0	0	0	0
16	0	0	0	2	3	4	0	2	0	0	0	0
17	0	0	0	0	3	1	0	4	0	0	0	0
18	0	0	0	0	3	3	0	1	0	0	0	0
19	0	0	0	0	0	5	0	1	0	0	0	0
20	0	0	0	0	0	4	0	3	0	0	0	0
21	0	0	0	0	0	3	0	4	0	0	0	0
22	0	0	0	3	0	2	0	5	0	0	0	0
23	0	0	0	4	0	0	0	4	0	0	0	0
24	0	0	0	3	5	0	0	3	0	0	0	0
25	0	0	0	1	4	0	0	5	0	0	0	0
26	0	0	0	1	4	4	0	4	0	0	0	0
27	0	0	0	1	2	4	0	2	0	0	0	0
28	0	0	0	1	0	1	0	3	0	0	0	0
29	0	0	0	1	0	0	2	4	0	0	0	0
30	0	-	2	3	0	0	4	5	0	0	0	0
31	0	-	3	-	0	-	4	2	-	0	-	0
TOTAL	0	0	5	50	45	65	12	101	42	0	0	0
MAXIMUM DAY	0	0	3	4	5	5	4	5	6	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	1	0	0	0	0
MEAN	0	0	0	2	1	2	0	3	1	0	0	0
TOTAL AC.FT.	0	0	10	99	89	129	24	199	83	0	0	0
WHOLE YEAR:-	TOTAL,	320	MAX.,	6	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	633		

**ROSEDALE RBWSD DIVERSION RECAPITULATION**

YEAR: 1996

Quantities in acre - feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
Rosedale Channel at Headworks	+	5,268	9,604	13,178	9,459	12,046	11,782	6,270	5,094	1,142	0	2,249	8,263	84,355
City to Bolthouse Farms	-	0	0	10	99	89	24	199	83	0	0	0	0	633
for Rosedale RBWSD	=	5,268	9,604	13,168	9,360	11,957	11,653	6,246	4,895	1,059	0	2,249	8,263	83,722
RRBWSD for City (Bolthouse Exch.)	+	0	0	10	99	0	0	0	0	0	0	0	0	109
via James Canal to Pioneer South	+	0	0	462	0	0	154	0	0	0	0	0	0	616
via James Canal to Kern Water Bank	+	0	0	0	0	0	81	0	0	0	0	0	0	81
via 2800 Acres to Pioneer North	+	0	0	239	0	0	389	0	0	0	0	0	278	906
Berranda Mesa Spreading Grounds	+	0	0	49	0	0	0	0	0	0	0	0	0	49
Pioneer Central	+	0	0	190	0	0	111	0	0	0	0	0	0	301
Boswell Turnout	+	0	0	0	0	0	4	0	0	0	0	0	0	4
2800 Acre Spreading	+	0	313	756	61	44	0	0	0	0	0	0	321	1,495
Kern River Channel Spreading	+	0	116	1,730	1,380	0	0	0	0	0	0	0	0	3,226
via Arvin - Edison T.O.	+	0	0	0	0	0	1,447	0	0	0	0	0	0	1,447
Improvement District #4	+	0	0	0	0	0	0	0	0	0	0	1,301	0	1,301
Total Diverted	=	5,268	10,033	16,604	10,900	12,001	12,392	7,693	4,895	1,059	0	2,249	10,163	93,257

City of Bakersfield Basic Contract	+	5,268	1,765	2,117	0	9,999	0	0	0	0	0	0	0	19,149
City of Bakersfield Miscellaneous	+	0	0	0	0	1,724	10,820	7,693	4,895	1,059	0	2,249	10,163	38,603
City of Bakersfield (Bolthouse Exch.)	+	0	0	0	0	109	0	0	0	0	0	0	0	109
Hacienda WD	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Improvement District #4 Exchange	+	0	742	311	0	0	0	0	0	0	0	0	0	1,053
Friant - Kern (A - EWSD Exchange)	+	0	7,526	14,176	10,900	169	1,572	0	0	0	0	0	0	34,343
Friant - Kern Floodwater	+	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Supply	=	5,268	10,033	16,604	10,900	12,001	12,392	7,693	4,895	1,059	0	2,249	10,163	93,257

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

Quantities in acre-feet

Year	TOTAL DELIVERED	FRIANT-KERN DELIVERED	TOTAL KERN RIVER DELIVERED	(1) KERN RIVER BASIC CONTRACT DELIVERED	KERN RIVER BASIC CONTRACT OBLIGATION	(2) CARRY FORWARD OVER (UNDER)	END of YEAR CONTRACT BALANCE (3)	
							(4)	60,000
1976	0	0	0	0	10,000	(10,000)	50,000	
1977	2,199	0	2,199	2,199	10,000	(7,801)	42,199	
1978	76,365	4,371	71,994	10,000	10,000	0	42,199	
1979	14,568	9,921	4,647	4,647	10,000	(5,353)	36,846	
1980	70,790	4,167	66,623	10,000	10,000	0	36,846	
1981	773	0	773	773	10,000	(9,227)	27,619	
1982	88,374	40,595	47,779	10,000	10,000	0	27,619	
1983	134,534	1,440	133,094	10,000	10,000	0	27,619	
1984	38,854	0	38,854	10,000	10,000	0	27,619	
1985	20,694	0	20,694	0	10,000	(10,000)	17,619	
1986	87,761	5,209	82,552	20,000	10,000	10,000	27,619	
1987	6,000	0	6,000	0	10,000	(10,000)	17,619	
1988	7,845	0	7,845	0	10,000	(10,000)	7,619	
1989	4,500	0	4,500	0	10,000	(10,000)	(2,381)	
1990	0	0	0	0	10,000	(10,000)	(12,381)	
1991	9,076	0	9,076	9,076	10,000	(924)	(13,305)	
1992	1,117	0	1,117	1,117	10,000	(8,883)	(22,188)	
1993	55,710	28,820	26,890	10,000	10,000	0	(22,188)	
1994	3,039	0	3,039	3,039	10,000	(6,961)	(29,149)	
1995	110,777	8,470	102,307	30,000	10,000	20,000	(9,149)	
1996	93,257	35,396	57,861	19,149	10,000	9,149	0	

- (1) Not less than 5,000 acre-feet for any consecutive 5-Year period.
- (2) Limit 30,000 acre-feet during any One year.
- (3) Gross limit of 60,000 acre-feet.
- (4) Pursuant to Article 3.2 of 1976 Agreement No. 76-80; City of Bakersfield carryover credit was 60,000 acre-feet as of January 1, 1976.

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

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

Quantities in acre-feet

Year: 1996

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>City Entitlement + or - Release</b>	<b>1,988</b>	<b>18,812</b>	<b>31,019</b>	<b>30,674</b>	<b>59,441</b>	<b>31,645</b>	<b>19,874</b>	<b>8,512</b>	<b>1,034</b>	<b>1,230</b>	<b>10,885</b>	<b>60,740</b>	<b>275,854</b>
Lake Ming	16	16	44	60	77	105	127	121	91	65	42	26	790
North Kern Water Storage District	0	0	0	0	0	5,000	10,000	5,000	0	0	0	0	0
Cawelo Water District	0	0	1,670	4,730	6,400	6,400	6,400	6,400	0	0	0	0	20,000
Kern-Tulare Water District	0	0	2,377	3,457	4,375	4,011	4,740	4,740	0	0	0	0	32,000
Rag Gulch Water District	0	0	357	518	655	600	710	710	0	0	0	0	23,700
Rosedale Rio Bravo WSD	5,268	1,765	2,117	0	9,999	0	0	0	0	0	0	0	3,550
Kern River Canal & Irrigating Co.	0	0	0	0	0	0	0	0	0	0	0	0	19,149
Truxtun Lakes	161	206	0	0	0	0	0	0	0	0	105	333	805
First Point Passing Second Point	0	0	0	0	0	0	0	0	0	0	0	0	0
Isabella Reservoir Loss	103	71	317	722	1,172	1,480	1,235	674	321	210	121	56	6,482
River Transportation Loss	533	821	1,077	1,149	6,300	6,632	6,280	2,478	934	(1)	4,385	7,107	37,695
<b>Total Basic Commitments</b>	<b>6,081</b>	<b>2,879</b>	<b>7,959</b>	<b>10,636</b>	<b>28,978</b>	<b>24,228</b>	<b>29,492</b>	<b>20,123</b>	<b>1,346</b>	<b>274</b>	<b>4,653</b>	<b>7,522</b>	<b>144,171</b>

Notes: November Entitlement + or - Release includes 4,704 AcFt received in Isabella Reservoir storage...  
December Entitlement + or - Release includes 21,958 AcFt received in Isabella Reservoir storage...

Total City Miscellaneous Water.....	131,683
Rosedale Rio Bravo WSD 1/3 Share.....	43,894

Misc. Water Delivered to RRBWSD	0	0	0	0	1,724	10,820	7,693	4,895	1,059	0	2,249	10,163	38,603
Del. under Art. 11, Sec. 2.1 (i)(7)	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total Misc. Delivered to RRBWSD</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,724</b>	<b>10,820</b>	<b>7,693</b>	<b>4,895</b>	<b>1,059</b>	<b>0</b>	<b>2,249</b>	<b>10,163</b>	<b>38,603</b>

Over (Under) City Miscellaneous Water Obligation.....	(5,291)
Prior Year Miscellaneous Water Delivery Balance.....	12,351
Cumulative Miscellaneous Water Delivery Balance.....	7,060

**STATUS OF CONTRACT**

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**ROSEDALE RIO BRAVO WATER STORAGE DISTRICT**

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

Quantities in acre-feet

Year	(A) TOTAL CITY MISCELLANEOUS WATER	(B) RRBWS 1/3 SHARE OF MISC.	(C) MISC. WATER DELIVERED TO RRBWS (1)	(D) OVER (UNDER) 1/3 SHARE	(E) END of YEAR CUMULATIVE MISC. WATER BALANCE
					0
1977	0	0	0	0	0
1978	75,473	25,158	29,405	4,247	4,247
1979	34,885	11,628	0	(11,628)	(7,381)
1980	81,572	27,191	28,246	1,055	(6,326)
1981	1,634	545	0	(545)	(6,871)
1982	184,335	61,445	37,779	(23,666)	(30,537)
1983	64,686	21,562	12,292	(9,270)	(39,807)
1984	56,816	18,939	20,856	1,917	(37,890)
1985	50,537	16,846	20,694	3,848	(34,042)
1986	161,307	53,769	56,590	2,821	(31,221)
1987	0	0	6,000	6,000	(25,221)
1988	2,157	719	7,845	7,126	(18,095)
1989	3,838	1,279	4,500	3,221	(14,874)
1990	0	0	0	0	(14,874)
1991	0	0	0	0	(14,874)
1992	0	0	0	0	(14,874)
1993	49,610	16,537	16,890	353	(14,521)
1994	0	0	0	0	(14,521)
1995	91,532	30,511	57,383	26,872	12,351
1996	131,683	43,894	38,603	(5,291)	7,060

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: 1996

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	379	5,390	2,688	4,899	11,062	4,772	938	0	0	0	1,255	4,395	35,778
Release	+ or -	(261)	(144)	2	140	0	0	0	0	0	2,488	(4,395)	(298)
<b>ENTITLEMENT + OR - RELEASE</b>	<b>=</b>	<b>5,129</b>	<b>2,544</b>	<b>4,901</b>	<b>11,202</b>	<b>4,772</b>	<b>938</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,743</b>	<b>0</b>	<b>35,480</b>
Oilfield Discharge	12	40	17	0	0	0	0	0	0	0	0	0	69
Other	+ or -	0	305	297	240	0	0	0	159	266	0	0	1,267
Into Isabella Storage	-	2,138	1,291	2,288	6,589	1,569	4	0	0	0	3,703	0	21,196
From Isabella Storage	+	0	16	0	0	214	1,577	1,938	716	498	71	48	5,100
To NKWSD in Isabella Storage	-	0	0	0	0	0	0	0	0	0	0	0	0
<b>DIVERTED AT HEAD</b>	<b>=</b>	<b>125</b>	<b>1,577</b>	<b>2,910</b>	<b>4,853</b>	<b>3,417</b>	<b>2,511</b>	<b>1,938</b>	<b>875</b>	<b>764</b>	<b>111</b>	<b>48</b>	<b>20,720</b>
Irrigation Deliveries	-	6	97	395	1,142	1,523	1,796	1,503	438	299	58	13	8,232
NKWSD at Seventh Standard Line	-	113	1,456	806	3,318	1,432	282	0	0	0	0	0	8,877
Cawelo WD at Pump Station "B"	-	0	0	0	0	0	0	0	0	0	0	0	0
Spreading Deliveries	-	0	0	297	240	0	0	0	159	266	0	0	1,267
Canal Loss	=	6	24	85	181	153	433	435	278	199	53	35	2,344
<b>Irrigation Delivery Percentage</b>	<b>=</b>	<b>95%</b>	<b>98%</b>	<b>75%</b>	<b>84%</b>	<b>92%</b>	<b>83%</b>	<b>78%</b>	<b>50%</b>	<b>39%</b>	<b>52%</b>	<b>27%</b>	<b>83%</b>

Into Isabella Storage	2,138	3,614	1,291	2,288	6,589	1,569	4	0	0	0	3,703	0	21,196
Isabella Evaporation Loss	97	68	176	297	452	605	708	700	595	409	226	141	4,474
From Isabella Storage	0	22	16	0	0	214	1,577	1,938	716	498	71	48	5,100
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>End of Month Isabella Storage</b>	<b>17,100</b>	<b>20,624</b>	<b>21,723</b>	<b>23,714</b>	<b>29,851</b>	<b>30,601</b>	<b>28,320</b>	<b>25,682</b>	<b>24,371</b>	<b>23,464</b>	<b>26,870</b>	<b>26,681</b>	

SOUTH FORK DIVERSION RIGHT SUMMARY

Quantities in acre-feet

Year: 1996

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	615	597	217	301	365	224	93	0	34	24	294	617	3,381
Release	(599)	(283)	91	324	280	0	0	0	505	621	336	(583)	692
Entitlement + or - Release	16	314	308	625	645	224	93	0	539	645	630	34	4,073
Into Isabella Storage	0	314	270	532	589	153	38	0	502	597	630	0	3,625
From Isabella Storage	0	0	6	0	0	18	78	143	28	0	0	0	273
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries	16	0	44	93	56	89	133	143	65	48	0	34	721
Old South Fork	0	0	0	0	0	0	0	0	0	0	0	0	0
Panama Ranch	16	0	44	93	56	89	133	143	65	48	0	34	721

Into Isabella Storage	0	314	270	532	589	153	38	0	502	597	630	0	3,625
From Isabella Storage	0	0	6	0	0	18	78	143	28	0	0	0	273
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	3,352	0	3,352
End of Month Isabella Storage	600	914	1,178	1,710	2,299	2,434	2,394	2,251	2,725	3,322	600	600	

Year: 1996

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	1	0	1	0	0	0
2	0	0	0	0	1	0	0	1	0	1	0	0
3	0	0	0	0	0	1	1	0	1	0	0	0
4	0	0	0	0	1	0	0	1	0	0	0	0
5	0	0	0	1	0	1	1	1	1	0	0	0
6	0	0	0	0	1	1	0	0	0	0	0	0
7	0	0	0	0	0	1	1	0	1	0	0	0
8	0	0	0	0	1	0	0	1	0	0	0	0
9	0	0	0	1	0	1	1	0	1	1	0	0
10	0	0	0	0	1	0	0	1	0	0	0	0
11	1	0	0	0	0	1	1	0	1	0	0	0
12	0	0	0	0	1	0	0	1	0	0	0	0
13	0	0	0	1	0	1	1	0	0	0	0	0
14	0	0	0	0	1	0	0	1	0	1	0	0
15	0	0	0	0	0	0	1	0	1	0	0	0
16	0	0	0	0	1	1	0	0	0	0	0	0
17	0	0	0	1	0	0	1	1	0	0	0	0
18	0	0	0	0	1	0	0	1	1	1	0	0
19	0	0	0	0	0	1	1	0	0	0	0	0
20	0	0	0	0	1	0	0	1	0	0	0	0
21	0	0	0	1	0	1	1	0	1	0	0	0
22	0	0	0	0	1	0	0	1	0	0	0	0
23	0	0	0	1	0	1	1	0	0	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	1	0	0	0	0	0	0
27	0	0	0	1	0	1	0	1	0	0	0	0
28	0	0	0	0	1	0	1	1	0	0	0	0
29	0	0	0	0	0	1	1	0	1	1	0	0
30	0	-	0	1	1	0	0	1	0	0	0	0
31	0	-	0	-	0	-	1	0	-	0	-	0
TOTAL	1	0	0	9	15	16	16	15	11	6	0	0
MAXIMUM DAY	1	0	0	1	1	1	1	1	1	1	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	1	1	0	0	0	0	0
TOTAL AC.FT.	2	0	0	17	30	31	32	31	22	12	0	0
WHOLE YEAR:-	TOTAL,	89	MAX.,	1	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	177		

Year: 1996

City of Bakersfield Diverted to County of Kern  
(Pursuant to City/County Letter Agreement dated April 23, 1996)

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	10	15	15	8	3	0	0
2	0	0	0	0	0	10	15	15	8	3	0	0
3	0	0	0	0	0	10	15	15	8	3	0	0
4	0	0	0	0	0	10	15	15	8	3	0	0
5	0	0	0	0	0	10	15	10	8	3	0	0
6	0	0	0	0	0	10	15	10	7	3	0	0
7	0	0	0	0	0	10	15	10	8	3	0	0
8	0	0	0	0	0	10	15	10	5	3	0	0
9	0	0	0	0	0	10	15	10	5	3	0	0
10	0	0	0	0	0	10	15	10	8	3	0	0
11	0	0	0	0	0	10	15	10	5	3	0	0
12	0	0	0	0	0	10	15	10	7	3	0	0
13	0	0	0	0	0	10	15	10	4	3	0	0
14	0	0	0	0	0	12	15	10	4	4	0	0
15	0	0	0	0	0	12	15	8	3	4	0	0
16	0	0	0	0	0	12	15	8	4	4	0	0
17	0	0	0	0	5	12	15	8	3	4	0	0
18	0	0	0	0	5	12	15	8	3	4	0	0
19	0	0	0	0	5	12	15	8	4	3	0	0
20	0	0	0	0	5	12	15	8	3	3	0	0
21	0	0	0	0	5	12	15	8	3	3	0	0
22	0	0	0	0	8	12	15	8	3	3	0	0
23	0	0	0	0	8	12	15	8	3	0	0	0
24	0	0	0	0	8	12	15	8	3	0	0	0
25	0	0	0	0	8	12	15	8	3	0	0	0
26	0	0	0	0	8	12	15	8	3	0	0	0
27	0	0	0	0	8	15	15	8	3	0	0	0
28	0	0	0	0	8	15	15	8	3	0	0	0
29	0	0	0	0	8	15	15	8	3	0	0	0
30	0	-	0	0	8	15	15	8	3	0	0	0
31	0	-	0	-	8	-	15	8	-	0	-	0
TOTAL	0	0	0	0	105	346	465	296	143	71	0	0
MAXIMUM DAY	0	0	0	0	8	15	15	15	8	4	0	0
MINIMUM DAY	0	0	0	0	0	10	15	8	3	0	0	0
MEAN	0	0	0	0	3	12	15	10	5	2	0	0
TOTAL AC.FT.	0	0	0	0	208	686	922	587	284	141	0	0
WHOLE YEAR:-	TOTAL,	1,426	MAX.,	15	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	2,828		

City of Bakersfield Diverted for Kern County Water Agency  
(Miscellaneous)

Year: 1996

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	9	14	10	11	0	406
2	0	0	0	0	0	4	11	16	8	6	0	87
3	0	0	0	0	0	0	6	23	10	2	0	0
4	0	0	0	0	0	6	11	24	14	5	0	0
5	0	0	0	0	0	7	10	15	15	4	7	0
6	0	0	0	0	0	11	8	14	12	8	2	0
7	0	0	0	0	0	9	7	13	19	11	2	0
8	0	0	0	0	0	13	3	15	20	11	2	0
9	0	0	0	0	0	4	7	15	21	10	0	0
10	0	0	0	0	0	7	11	19	13	3	3	0
11	0	0	0	0	0	14	9	18	9	6	0	63
12	0	0	0	0	0	3	8	15	11	11	0	91
13	0	0	0	0	0	3	2	12	15	11	2	205
14	0	0	0	0	0	5	6	14	11	6	1	264
15	0	0	0	0	0	0	11	16	9	9	1	286
16	0	0	0	0	5	0	12	16	9	3	1	334
17	0	0	0	0	7	0	10	15	9	10	1	362
18	0	0	0	0	6	0	20	18	9	10	2	390
19	0	0	0	0	3	3	9	14	16	13	4	402
20	0	0	0	0	7	3	10	18	10	10	3	485
21	0	0	0	0	9	4	6	12	8	6	0	415
22	0	0	0	0	3	9	9	17	11	8	0	277
23	0	0	0	0	3	9	9	19	12	8	0	51
24	0	0	0	0	2	0	9	18	9	4	0	3
25	0	0	0	0	4	0	15	16	5	8	0	0
26	0	0	0	0	3	4	17	21	7	13	0	0
27	0	0	0	0	2	8	19	13	4	9	137	7
28	0	0	0	0	2	4	6	10	9	3	447	0
29	0	0	0	0	2	9	9	11	10	0	637	0
30	0	-	0	0	2	5	9	11	11	0	577	39
31	0	-	0	-	2	-	13	14	-	0	550	92
TOTAL	0	0	0	0	62	145	301	486	336	219	2,379	4,259
MAXIMUM DAY	0	0	0	0	9	14	20	24	21	13	637	485
MINIMUM DAY	0	0	0	0	0	0	2	10	4	0	0	0
MEAN	0	0	0	0	2	5	10	16	11	7	79	137
TOTAL AC.FT.	0	0	0	0	123	287	597	964	667	434	4,719	8,447
WHOLE YEAR-- TOTAL,	8,187											16,238
MAX.,	637											4,719
MIN.,	0											79
MEAN,	22											137
TOTAL AC.FT.,	22											137

City of Bakersfield Diverted for Kern Water Bank Authority  
(Miscellaneous)

Year: 1996

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	443
2	0	0	0	0	0	0	0	0	0	0	0	274
3	0	0	0	0	0	123	0	0	0	0	0	0
4	0	0	0	0	0	194	0	0	0	0	0	0
5	0	0	0	0	0	189	0	0	0	0	0	0
6	0	0	0	0	0	218	0	0	0	0	0	0
7	0	0	0	0	0	236	0	0	0	0	0	0
8	0	0	0	0	0	219	0	0	0	0	0	0
9	0	0	0	0	0	279	0	0	0	0	0	0
10	0	0	0	0	0	272	0	0	0	0	0	0
11	0	0	0	0	0	116	0	0	0	0	0	0
12	0	0	0	0	0	114	0	0	0	0	0	0
13	0	0	0	0	0	119	0	0	0	0	0	222
14	0	0	0	0	0	128	0	0	0	0	0	360
15	0	0	0	0	0	79	0	0	0	0	0	432
16	0	0	0	0	9	0	0	0	0	0	0	438
17	0	0	0	0	178	0	0	0	0	0	0	484
18	0	0	0	0	216	0	0	0	0	0	0	503
19	0	0	0	0	222	0	0	0	0	0	0	516
20	0	0	0	0	217	0	0	0	0	0	0	479
21	0	0	0	0	234	0	0	0	0	0	0	495
22	0	0	0	0	222	0	0	0	0	0	0	352
23	0	0	0	0	239	0	0	0	0	0	0	0
24	0	0	0	0	244	0	0	0	0	0	0	0
25	0	0	0	0	214	0	0	0	0	0	0	0
26	0	0	0	0	178	0	0	0	0	0	0	0
27	0	0	0	0	229	0	0	0	0	0	15	0
28	0	0	0	0	232	0	0	0	0	0	128	0
29	0	0	0	0	93	0	0	0	0	0	250	0
30	0	0	0	0	28	0	0	0	0	0	312	54
31	0	0	0	0	0	0	0	0	0	0	0	180
TOTAL	0	0	0	0	2,755	2,286	0	0	0	0	705	5,232
MAXIMUM DAY	0	0	0	0	244	279	0	0	0	0	312	516
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	89	76	0	0	0	0	24	169
TOTAL AC.FT.	0	0	0	0	5,465	4,535	0	0	0	0	1,398	10,379
WHOLE YEAR--	TOTAL,	10,978	MAX.,	516	MIN.,	0	MEAN,	30	TOTAL AC.FT.,	21,777		

DISCHARGE IN CUBIC FEET PER SECOND

City of Bakersfield Diverted to Arvin-Edison Water Storage District  
(Miscellaneous)

Year: 1996

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	100	0	0	0	0	194
2	0	0	0	0	0	0	100	0	0	0	0	161
3	0	0	0	0	0	0	100	0	0	0	0	0
4	0	0	0	0	0	0	100	0	0	0	0	0
5	0	0	0	0	0	0	100	0	0	0	0	0
6	0	0	0	0	0	0	100	0	0	0	0	0
7	0	0	0	0	0	0	100	0	0	0	0	0
8	0	0	0	0	0	0	100	0	0	0	0	0
9	0	0	0	0	0	0	100	0	0	0	0	0
10	0	0	0	0	0	0	100	0	0	0	0	0
11	0	0	0	0	0	0	100	0	0	0	0	50
12	0	0	0	0	0	0	97	0	0	0	0	198
13	0	0	0	0	0	0	0	0	0	0	0	198
14	0	0	0	0	0	0	0	0	0	0	0	200
15	0	0	0	0	0	0	0	0	0	0	0	201
16	0	0	0	0	0	0	0	0	0	0	0	200
17	0	0	0	0	0	24	0	0	0	0	0	200
18	0	0	0	0	0	100	0	0	0	0	0	198
19	0	0	0	0	0	100	0	0	0	0	0	200
20	0	0	0	0	0	100	0	0	0	0	0	201
21	0	0	0	0	0	100	0	0	0	0	0	200
22	0	0	0	0	0	100	0	0	0	0	0	188
23	0	0	0	0	0	100	0	0	0	0	0	163
24	0	0	0	0	0	100	0	0	0	0	0	200
25	0	0	0	0	0	100	0	0	0	0	9	198
26	0	0	0	0	0	100	0	0	0	0	162	200
27	0	0	0	0	0	100	0	0	0	0	194	201
28	0	0	0	0	0	100	0	0	0	0	186	198
29	0	0	0	0	0	100	0	0	0	0	191	196
30	0	0	0	0	0	100	0	0	0	0	191	196
31	0	0	0	0	0	0	0	0	0	0	0	195
TOTAL	0	0	0	0	0	1,324	1,197	0	0	0	933	4,336
MAXIMUM DAY	0	0	0	0	0	100	100	0	0	0	194	201
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	44	39	0	0	0	31	140
TOTAL AC.FT.	0	0	0	0	0	2,626	2,374	0	0	0	1,850	8,600
WHOLE YEAR:-	TOTAL,	7,790	MAX.,	201	MIN.,	0	MEAN,	21	TOTAL AC.FT.,	15,450		

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

Year: 1996

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	48	180	142	201	175	156	59	53	0	0	52	165
2	48	188	183	226	156	171	64	0	0	0	56	24
3	41	206	231	238	139	184	60	0	0	0	58	0
4	29	214	242	220	140	155	53	0	0	0	51	0
5	59	201	205	217	141	176	41	0	0	0	57	0
6	56	152	165	216	163	174	60	0	0	0	54	0
7	47	174	155	224	200	187	49	0	0	0	58	0
8	43	139	173	221	229	159	58	0	0	0	58	0
9	41	10	170	218	208	162	64	0	0	0	56	0
10	0	0	145	215	211	169	63	0	0	0	59	0
11	0	0	156	219	147	187	96	0	0	0	0	63
12	0	0	191	240	160	157	104	0	0	0	0	115
13	0	0	222	229	209	150	91	0	0	0	0	170
14	0	0	174	227	204	149	95	0	0	0	0	265
15	0	0	100	226	211	55	85	0	0	0	0	267
16	0	0	50	243	243	51	98	0	0	0	0	289
17	0	0	65	254	212	52	102	0	0	0	0	350
18	0	0	24	226	210	32	104	0	0	0	0	404
19	0	0	0	220	223	16	94	0	0	0	0	412
20	0	243	0	223	226	0	70	0	0	0	0	455
21	0	110	0	227	223	11	47	0	0	0	0	306
22	0	66	0	193	207	44	51	0	0	0	0	191
23	0	61	69	209	212	48	73	0	0	0	0	23
24	0	98	133	204	204	52	52	0	0	0	0	0
25	0	132	109	173	171	52	85	0	0	0	0	35
26	0	140	75	160	197	48	61	0	0	32	137	35
27	0	115	167	177	204	59	41	0	0	38	364	63
28	0	64	195	181	164	56	45	0	0	42	317	84
29	0	114	217	169	152	53	53	0	0	61	191	93
30	103	-	228	153	162	64	62	0	0	75	156	65
31	144	-	228	-	203	-	55	0	-	56	-	140
TOTAL	659	2,607	4,214	6,349	5,906	3,029	2,135	53	0	304	1,724	4,014
MAXIMUM DAY	144	243	242	254	243	187	104	53	0	75	364	455
MINIMUM DAY	0	0	0	153	139	0	41	0	0	0	0	0
MEAN	21	90	136	212	191	101	69	2	0	10	57	129
TOTAL AC.FT.	1,307	5,171	8,359	12,593	11,714	6,008	4,235	105	0	603	3,420	7,962
WHOLE YEAR:-	TOTAL	30,994	MAX.,	455	MIN.,	0	MEAN,	85	TOTAL AC.FT.,	61,477		

City of Bakersfield  
 2800 Acre Spreading Operations  
 (Kern Fliver Supply)

Year: 1996

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	151	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	151	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	151	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	5	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	0	300	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	151	MAX.,	151	MIN.,	0	MEAN,	0	TOTAL AC.FT.,	300		

Year: 1996

Olcese/La Hacienda  
2800 Acre Spreading Operations  
(Kern River Supply)

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	81	0	0	0	0	0
12	0	0	0	0	0	0	104	0	0	0	0	0
13	0	0	0	0	0	0	91	0	0	0	0	0
14	0	0	0	0	0	0	95	0	0	0	0	0
15	0	0	0	0	0	0	85	0	0	0	0	0
16	0	0	0	0	0	0	98	0	0	0	0	0
17	0	0	0	0	0	0	102	0	0	0	0	0
18	0	0	0	0	0	0	104	0	0	0	0	0
19	0	0	0	0	0	0	94	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	854	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	0	104	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	28	0	0	0	0	0
TOTAL AC.FT.	0	0	0	0	0	0	1,694	0	0	0	0	0
WHOLE YEAR-	TOTAL	854	MAX.	104	MIN.	0	MEAN,	2	TOTAL AC.FT.,	1,694		

Buena Vista Water Storage District  
2800 Acre Spreading Operations  
(Kern River Supply)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1996

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	113	0	0	156	0	0	0	0	0	0
2	0	0	126	0	32	171	0	0	0	0	0	0
3	0	0	125	0	47	184	0	0	0	0	0	0
4	0	0	136	0	45	155	0	0	0	0	0	0
5	0	0	105	0	46	176	0	0	0	0	0	0
6	0	0	96	0	71	174	0	0	0	0	0	0
7	0	0	102	0	115	187	0	0	0	0	0	0
8	0	0	119	0	156	159	0	0	0	0	0	0
9	0	0	120	0	125	162	0	0	0	0	0	0
10	0	0	100	0	126	169	0	0	0	0	0	0
11	0	0	115	0	54	18	0	0	0	0	0	0
12	0	0	141	0	80	0	0	0	0	0	0	0
13	0	0	139	0	126	0	0	0	0	0	0	0
14	0	0	109	0	123	0	0	0	0	0	0	0
15	0	0	92	0	176	0	0	0	0	0	0	0
16	0	0	12	0	222	0	0	0	0	0	0	0
17	0	0	0	0	212	0	0	0	0	0	0	0
18	0	0	0	0	210	0	0	0	0	0	0	0
19	0	0	0	0	223	0	0	0	0	0	0	0
20	0	92	0	34	226	0	0	0	0	0	0	0
21	0	63	0	51	223	0	0	0	0	0	0	0
22	0	0	0	42	207	0	0	0	0	0	0	0
23	0	38	0	53	212	0	0	0	0	0	0	0
24	0	83	0	31	204	0	0	0	0	0	0	0
25	0	70	0	0	171	0	0	0	0	0	0	0
26	0	40	0	0	197	0	0	0	0	0	0	0
27	0	0	0	0	204	0	0	0	0	0	0	0
28	0	0	0	0	164	0	0	0	0	0	0	0
29	0	0	0	0	152	0	0	0	0	0	0	0
30	0	-	0	0	162	0	0	0	0	0	0	0
31	0	-	0	-	203	-	0	0	-	0	-	0
TOTAL	0	386	1,750	211	4,514	1,711	0	0	0	0	0	0
MAXIMUM DAY	0	92	141	53	226	187	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	13	56	7	146	57	0	0	0	0	0	0
TOTAL AC.FT.	0	766	3,471	418	8,953	3,394	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	8,572	MAX.,	226	MIN.,	0	MEAN,	23	TOTAL AC.FT.,	17,002		

DISCHARGE IN CUBIC FEET PER SECOND

Buena Vista Water Storage District  
2800 Acre Spreading Operations  
(Friant-Kern Supply)

Year: 1996

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	53	0	0	0	0	0	0	0
2	0	0	0	0	77	0	0	0	0	0	0	0
3	0	0	0	0	84	0	0	0	0	0	0	0
4	0	0	0	0	74	0	0	0	0	0	0	0
5	0	0	0	0	95	0	0	0	0	0	0	0
6	0	0	0	0	92	0	0	0	0	0	0	0
7	0	0	0	0	85	0	0	0	0	0	0	0
8	0	0	0	0	73	0	0	0	0	0	0	0
9	0	0	0	0	83	0	0	0	0	0	0	0
10	0	0	0	0	85	0	0	0	0	0	0	0
11	0	0	0	0	93	0	0	0	0	0	0	0
12	0	0	0	0	80	0	0	0	0	0	0	0
13	0	0	0	0	83	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	38	0	0	0	0	0	0	0	0	0
17	0	0	65	0	0	0	0	0	0	0	0	0
18	0	0	24	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	27	0	0	0	0	0	0	0	0
25	0	0	0	49	0	0	0	0	0	0	0	0
26	0	0	0	44	0	0	0	0	0	0	0	0
27	0	0	0	55	0	0	0	0	0	0	0	0
28	0	0	0	55	0	0	0	0	0	0	0	0
29	0	0	0	51	0	0	0	0	0	0	0	0
30	0	-	0	46	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	127	327	1,057	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	65	55	95	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	4	11	34	0	0	0	0	0	0	0
TOTAL AC.FT.	0	0	252	649	2,097	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,511	MAX.,	95	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	2,998		

Year: 1996

Kern County Water Agency  
2800 Acre Spreading Operations  
(All Sources)

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	48	180	29	201	122	0	59	53	0	0	52	165
2	48	188	57	226	47	0	64	0	0	0	56	24
3	41	206	106	238	8	0	60	0	0	0	58	0
4	29	214	106	220	21	0	53	0	0	0	51	0
5	59	201	100	217	0	0	41	0	0	0	57	0
6	56	152	69	216	0	0	60	0	0	0	54	0
7	47	174	53	224	0	0	49	0	0	0	58	0
8	43	139	54	221	0	0	58	0	0	0	58	0
9	41	10	50	218	0	0	64	0	0	0	56	0
10	0	0	45	215	0	0	63	0	0	0	59	0
11	0	0	41	219	0	169	15	0	0	0	0	63
12	0	0	50	240	0	157	0	0	0	0	0	115
13	0	0	83	229	0	150	0	0	0	0	0	170
14	0	0	65	227	81	149	0	0	0	0	0	265
15	0	0	8	226	35	55	0	0	0	0	0	267
16	0	0	0	243	21	51	0	0	0	0	0	289
17	0	0	0	254	0	52	0	0	0	0	0	350
18	0	0	0	226	0	32	0	0	0	0	0	404
19	0	0	0	220	0	16	0	0	0	0	0	412
20	0	0	0	189	0	0	70	0	0	0	0	455
21	0	47	0	176	0	11	47	0	0	0	0	306
22	0	66	0	151	0	44	51	0	0	0	0	191
23	0	23	69	156	0	48	73	0	0	0	0	23
24	0	15	133	146	0	52	52	0	0	0	0	0
25	0	62	109	124	0	52	85	0	0	0	0	35
26	0	100	75	116	0	48	61	0	0	32	137	35
27	0	115	167	122	0	59	41	0	0	38	364	63
28	0	64	195	126	0	56	45	0	0	42	317	84
29	0	114	217	118	0	53	53	0	0	61	191	93
30	103	-	228	107	0	64	62	0	0	75	156	65
31	144	-	228	-	0	-	55	0	-	56	-	140
TOTAL	659	2,070	2,337	5,811	335	1,318	1,281	53	0	304	1,724	4,014
MAXIMUM DAY	144	214	228	254	122	169	85	53	0	75	364	455
MINIMUM DAY	0	0	0	107	0	0	0	0	0	0	0	0
MEAN	21	71	75	194	11	44	41	2	0	10	57	129
TOTAL AC.FT.	1,307	4,105	4,636	11,526	664	2,614	2,541	105	0	603	3,420	7,962
WHOLE YEAR:-	TOTAL,	19,906	MAX.,	455	MIN.,	0	MEAN,	54	TOTAL AC.FT.,	39,483		

Year: 1996

Total Flow via the James Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	25	0	0	100	91	90	25	38	22	22	15	48
2	30	0	16	100	86	90	25	40	29	20	15	27
3	26	0	50	100	80	89	26	40	34	21	19	0
4	23	0	50	100	79	77	25	40	34	26	24	0
5	18	0	57	100	80	40	25	37	34	30	20	0
6	17	0	69	100	79	51	25	35	36	30	21	0
7	19	0	66	100	79	90	25	35	39	29	19	0
8	35	0	49	100	82	105	25	35	36	24	17	0
9	0	0	55	100	91	105	25	38	35	18	18	0
10	0	0	90	100	101	98	30	40	33	25	15	0
11	0	0	90	100	101	91	41	40	32	28	17	0
12	0	0	89	100	101	91	41	40	33	30	20	19
13	0	0	91	100	101	91	40	40	29	27	20	62
14	0	0	90	100	99	90	41	40	28	28	21	69
15	0	0	89	100	95	74	40	40	26	23	20	80
16	0	0	58	96	91	54	41	40	29	26	20	84
17	0	0	0	91	90	55	41	37	36	30	21	90
18	0	0	0	91	89	56	36	38	37	31	20	90
19	0	0	0	90	90	60	30	40	30	27	16	90
20	0	0	0	90	90	65	30	40	31	24	5	90
21	0	0	0	91	90	48	32	40	32	23	0	90
22	0	0	0	89	92	31	36	40	33	18	0	60
23	0	0	11	90	91	31	36	43	27	19	0	0
24	0	0	65	91	92	26	39	45	22	23	0	0
25	0	0	102	90	91	26	40	42	24	22	0	0
26	0	0	102	90	90	30	40	40	21	16	0	0
27	0	0	101	91	90	29	35	37	25	15	17	0
28	0	0	101	92	90	28	37	31	31	14	38	0
29	0	0	101	92	90	25	35	28	31	15	46	0
30	0	-	101	92	90	25	30	27	27	16	50	39
31	0	-	100	-	90	-	33	20	-	15	-	92
TOTAL	193	0	1,793	2,866	2,791	1,861	1,030	1,166	916	715	514	1,030
MAXIMUM DAY	35	0	102	100	101	105	41	45	39	31	50	92
MINIMUM DAY	0	0	0	89	79	25	25	20	21	14	0	0
MEAN	6	0	58	96	90	62	33	38	31	23	17	33
TOTAL AC.FT.	383	0	3,556	5,684	5,536	3,691	2,043	2,313	1,817	1,418	1,020	2,043
WHOLE YEAR--	TOTAL,	14,875	MAX.,	105	MIN.,	0	MEAN,	41	TOTAL AC.FT.,	29,504		

Year: 1996

Total Flow via the Pioneer 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	157	39	0	0	0	0	0	80
2	0	0	0	0	163	39	0	0	0	0	0	41
3	0	0	0	0	168	39	0	0	0	0	0	0
4	0	0	0	0	166	39	0	0	0	0	0	0
5	0	0	0	0	165	19	0	0	0	0	0	0
6	0	0	0	0	165	0	0	0	0	0	0	0
7	0	0	0	0	165	50	0	0	0	0	0	0
8	0	0	0	0	120	80	0	0	0	0	0	0
9	0	0	0	18	80	80	0	0	0	0	0	0
10	0	0	0	29	80	80	0	0	0	0	0	0
11	0	0	0	58	80	81	0	0	0	0	0	0
12	0	0	0	91	80	187	0	0	0	0	0	0
13	0	0	0	116	81	219	0	0	0	0	0	6
14	0	0	0	116	82	217	0	0	0	0	0	15
15	0	0	0	116	80	110	0	0	0	0	0	15
16	0	0	0	100	104	78	0	0	0	0	0	17
17	0	0	0	84	151	83	0	0	0	0	0	15
18	0	0	0	86	166	83	0	0	0	0	0	15
19	0	0	0	85	165	34	0	0	0	0	0	15
20	0	0	0	65	166	0	0	0	0	0	0	15
21	0	0	0	45	157	0	0	0	0	0	0	15
22	0	0	0	45	152	0	0	0	0	0	0	10
23	0	0	0	46	149	0	0	0	0	0	0	0
24	0	0	0	46	154	0	0	0	0	0	0	0
25	0	0	0	46	108	0	0	0	0	0	0	0
26	0	0	0	68	86	0	0	0	0	0	0	0
27	0	0	0	144	86	0	0	0	0	0	34	0
28	0	0	0	177	86	0	0	0	0	0	79	0
29	0	0	0	163	87	0	0	0	0	0	78	0
30	0	-	0	162	52	0	0	0	0	0	78	0
31	0	-	0	-	39	-	0	0	-	0	-	13
TOTAL	0	0	0	1,906	3,740	1,557	0	0	0	0	269	272
MAXIMUM DAY	0	0	0	177	168	219	0	0	0	0	79	80
MINIMUM DAY	0	0	0	0	39	0	0	0	0	0	0	0
MEAN	0	0	0	64	121	52	0	0	0	0	9	9
TOTAL AC.FT.	0	0	0	3,780	7,418	3,088	0	0	0	0	534	540
WHOLE YEAR:-	TOTAL,	7,744	MAX.,	219	MIN.,	0	MEAN,	21	TOTAL AC.FT.,	15,360		

Year: 1996

Total Flow via the Berronda Mesa Pipeline at Head

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	21	24	25	72	47	50	0	0	0	0	0	46
2	21	26	25	72	46	52	0	0	0	0	0	24
3	23	26	26	74	47	51	0	0	0	0	0	0
4	23	25	25	74	48	47	0	0	0	0	0	0
5	23	27	16	85	47	22	0	0	0	0	0	0
6	23	25	4	90	46	0	0	0	0	0	0	0
7	22	25	0	91	49	0	0	0	0	0	0	0
8	24	10	0	92	52	0	0	0	0	0	0	0
9	15	0	0	92	47	0	0	0	0	0	0	0
10	4	0	0	91	48	0	0	0	0	0	0	0
11	0	0	0	90	53	0	0	0	0	31	0	0
12	0	0	0	91	49	0	0	0	0	41	0	28
13	0	0	0	92	49	0	0	0	0	44	0	45
14	0	0	0	90	51	0	0	0	0	50	0	58
15	0	0	0	90	51	0	0	0	0	50	0	62
16	0	0	0	81	50	0	0	0	0	52	0	64
17	0	0	0	77	52	0	0	0	0	46	0	63
18	0	0	0	76	51	0	0	0	0	53	0	60
19	0	0	0	71	52	0	0	0	0	63	0	65
20	0	0	0	68	52	0	0	0	0	61	0	79
21	0	0	0	62	51	0	0	0	0	62	0	78
22	0	0	0	59	51	0	0	0	0	64	0	52
23	0	0	0	58	51	0	0	0	0	61	0	28
24	0	15	0	58	50	0	0	0	0	60	0	52
25	0	25	0	58	48	0	0	0	0	20	0	32
26	0	25	0	58	47	0	0	0	0	0	0	15
27	0	26	32	56	48	0	0	0	0	0	22	41
28	0	26	69	57	49	0	0	0	0	0	57	46
29	0	26	71	57	50	0	0	0	0	0	50	60
30	0	-	72	50	49	0	0	0	0	0	49	57
31	13	-	73	-	48	-	0	0	-	0	-	55
TOTAL	212	331	438	2,232	1,529	222	0	0	0	758	178	1,110
MAXIMUM DAY	24	27	73	92	53	52	0	0	0	64	57	79
MINIMUM DAY	0	0	0	50	46	0	0	0	0	0	0	0
MEAN	7	11	14	74	49	7	0	0	0	24	6	36
TOTAL AC.FT.	420	656	868	4,428	3,034	440	0	0	0	1,504	353	2,201
WHOLE YEAR:-	TOTAL,	7,010	MAX.,	92	MIN.,	0	MEAN,	19	TOTAL AC.FT.,	13,904		

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

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1996

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	144	302	133	114	0	0	0	0	0	0	0	0
2	144	317	149	115	0	0	0	0	0	0	0	0
3	139	324	149	61	0	0	0	0	0	0	0	0
4	120	318	144	20	0	0	0	0	0	0	0	0
5	152	323	65	20	0	0	0	0	0	0	0	0
6	149	318	19	17	0	0	0	0	0	0	0	0
7	144	311	17	17	0	0	0	0	0	0	0	0
8	147	215	6	17	0	0	0	0	0	0	0	0
9	102	48	0	8	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	116
13	0	0	0	0	0	0	0	0	0	0	0	277
14	0	0	0	0	0	0	0	0	0	0	0	278
15	0	0	0	0	0	0	0	0	0	0	0	248
16	0	0	38	0	0	0	0	0	0	0	0	223
17	0	0	65	0	0	0	0	0	0	0	0	215
18	0	0	24	0	0	0	0	0	0	0	0	216
19	0	0	0	0	0	0	0	0	0	0	0	216
20	0	0	0	0	0	0	0	0	0	0	0	209
21	0	100	0	0	0	0	0	0	0	0	0	82
22	0	185	0	0	0	0	0	0	0	0	0	0
23	0	159	11	0	0	0	0	0	0	0	0	0
24	0	131	20	9	0	0	0	0	0	0	0	0
25	0	143	16	7	0	0	0	0	0	0	0	0
26	0	150	17	0	0	0	0	0	0	0	0	0
27	0	134	53	0	0	0	0	0	0	0	0	0
28	0	131	103	0	0	0	0	0	0	0	0	70
29	0	130	115	0	0	0	0	0	0	0	0	126
30	131	-	115	0	0	0	0	0	0	0	0	131
31	263	-	115	-	0	-	0	0	-	0	-	124
TOTAL	1,635	3,739	1,374	405	0	0	0	0	0	0	0	2,531
MAXIMUM DAY	263	324	149	115	0	0	0	0	0	0	0	278
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	53	129	44	14	0	0	0	0	0	0	0	82
TOTAL AC.FT.	3,242	7,416	2,726	803	0	0	0	0	0	0	0	5,020
WHOLE YEAR-- TOTAL,		9,684	MAX.,	324	MIN.,	0	MEAN,	26	TOTAL AC.FT.,		19,207	

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

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1996

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	132	63	161	63	0	0	0	0	0	0	0
2	0	130	64	164	0	0	0	0	0	0	0	0
3	0	129	63	166	0	0	0	0	0	0	0	0
4	0	129	77	173	0	0	0	0	0	0	0	0
5	12	128	32	147	0	0	0	0	0	0	0	0
6	14	128	0	128	0	0	0	0	0	0	0	0
7	33	128	0	154	0	0	0	0	0	0	0	0
8	33	64	9	153	0	0	0	0	0	0	0	0
9	23	0	39	154	0	0	0	0	0	0	0	0
10	0	8	42	173	0	0	0	0	0	0	0	0
11	0	15	29	164	0	0	0	0	0	0	0	0
12	0	37	38	167	0	0	0	0	0	0	0	0
13	0	41	51	165	0	0	0	0	0	0	0	0
14	0	55	52	167	0	0	0	0	0	0	0	0
15	0	59	49	167	0	0	0	0	0	0	0	0
16	0	69	55	167	0	0	0	0	0	0	0	0
17	0	25	51	165	0	0	0	0	0	0	0	0
18	0	0	59	167	0	0	0	0	0	0	0	0
19	0	0	65	167	0	0	0	0	0	0	0	0
20	0	0	61	166	0	0	0	0	0	0	0	0
21	0	6	68	165	0	0	0	0	0	0	0	0
22	0	0	68	165	0	0	0	0	0	0	0	0
23	0	9	123	166	0	0	0	0	0	0	0	0
24	0	14	165	169	0	0	0	0	0	0	0	49
25	0	13	165	167	0	0	0	0	0	0	0	87
26	0	13	166	149	0	0	0	0	0	0	0	30
27	0	13	167	169	0	0	0	0	0	0	0	34
28	0	12	163	169	0	0	0	0	0	0	0	51
29	0	44	163	171	0	6	0	0	0	0	0	64
30	0	-	162	169	0	5	0	0	0	0	0	69
31	87	-	163	-	0	-	0	0	-	0	-	67
TOTAL	202	1,401	2,472	4,894	63	11	0	0	0	0	0	451
MAXIMUM DAY	87	132	167	173	63	6	0	0	0	0	0	87
MINIMUM DAY	0	0	0	128	0	0	0	0	0	0	0	0
MEAN	7	48	80	163	2	0	0	0	0	0	0	15
TOTAL AC.FT.	401	2,778	4,903	9,707	125	22	0	0	0	0	0	895
WHOLE YEAR:-	TOTAL,	9,494	MAX.,	173	MIN.,	0	MEAN,	26	TOTAL AC.FT.,	18,831		

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

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1996

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	25	17	25	20	16	0	0	0	0	0	4	0
2	28	17	22	17	18	0	0	0	0	31	12	0
3	36	17	21	17	13	0	0	0	0	26	10	0
4	39	17	21	18	10	0	0	0	0	9	16	0
5	57	17	9	24	10	0	0	0	0	6	24	0
6	62	17	0	20	7	0	0	0	0	0	16	0
7	57	15	12	16	5	0	0	0	0	0	3	0
8	64	15	16	20	4	0	0	0	0	0	0	0
9	57	17	17	19	4	0	0	0	0	0	0	0
10	12	16	18	16	3	0	0	0	0	0	0	0
11	0	16	13	22	3	0	0	0	0	0	0	0
12	0	17	15	17	7	0	0	0	0	0	0	0
13	0	14	28	17	10	0	0	0	0	0	0	0
14	0	13	32	15	10	0	0	0	0	0	29	0
15	0	16	27	17	11	0	0	0	0	0	58	0
16	0	16	21	17	4	0	0	0	0	0	68	0
17	0	18	23	17	0	0	0	0	0	0	67	0
18	0	17	27	19	0	0	0	0	0	0	66	0
19	11	17	22	22	0	0	0	0	0	0	20	0
20	33	18	14	20	0	0	0	0	0	0	35	0
21	34	19	15	20	0	0	0	0	0	0	32	0
22	38	32	15	20	0	0	0	0	0	0	0	0
23	40	30	16	20	0	0	0	0	0	0	0	0
24	28	21	17	17	0	0	0	0	0	0	0	0
25	29	16	19	12	0	0	0	0	0	0	0	0
26	18	23	19	16	0	0	0	0	0	0	0	0
27	26	19	19	16	0	0	0	0	0	0	0	0
28	26	20	19	16	0	0	0	0	0	0	0	0
29	29	20	18	15	0	0	0	0	0	0	0	0
30	26	-	18	17	0	0	0	0	0	0	0	0
31	39	-	18	-	0	-	0	0	-	0	-	0
TOTAL	814	527	576	539	135	0	0	0	0	72	460	0
MAXIMUM DAY	64	32	32	24	18	0	0	0	0	31	68	0
MINIMUM DAY	0	13	0	12	0	0	0	0	0	0	0	0
MEAN	26	18	19	18	4	0	0	0	0	2	15	0
TOTAL AC.FT.	1,615	1,046	1,142	1,069	268	0	0	0	0	143	912	0
WHOLE YEAR:-	TOTAL,	3,123	MAX.,	68	MIN.,	0	MEAN,	9	TOTAL AC.FT.,	6,195		

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

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1996

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	18	10	14	0	0	0	0	0	0	24	0
2	0	7	12	13	0	0	0	0	0	0	42	0
3	0	9	13	12	0	0	0	0	0	0	43	0
4	0	9	13	11	0	0	0	0	0	0	34	0
5	0	10	8	15	0	0	0	0	0	0	33	15
6	0	7	0	20	0	0	0	0	0	0	41	46
7	5	11	3	17	0	0	0	0	0	0	39	77
8	4	14	7	7	0	0	0	0	0	0	45	101
9	13	14	9	1	0	0	0	0	0	0	48	101
10	0	15	9	28	0	0	0	0	0	0	47	101
11	0	13	8	46	0	0	0	0	0	0	49	99
12	0	13	10	49	0	0	0	0	0	0	49	38
13	0	12	11	62	0	0	0	0	0	0	49	0
14	0	10	11	53	0	0	0	0	0	0	55	0
15	0	8	11	55	0	0	0	0	0	0	63	0
16	0	7	11	55	0	0	0	0	0	0	63	0
17	0	2	12	55	0	0	0	0	0	0	61	0
18	0	0	11	52	0	0	0	0	0	0	62	0
19	7	3	10	55	0	0	0	0	0	0	64	0
20	4	14	9	55	0	0	0	0	0	0	54	0
21	5	14	8	55	0	0	0	0	0	0	30	0
22	8	14	6	55	0	0	0	0	0	0	0	0
23	18	5	6	55	0	0	0	0	0	0	0	0
24	14	8	15	53	0	0	0	0	0	0	0	0
25	14	7	10	19	0	0	0	0	0	0	0	0
26	14	7	8	0	0	0	0	0	0	0	0	0
27	12	9	9	0	0	0	0	0	0	0	0	0
28	14	3	13	0	0	0	0	0	0	0	0	0
29	16	9	12	0	0	0	0	0	0	0	0	0
30	16	-	15	0	0	0	0	0	0	0	0	0
31	27	-	15	-	0	-	0	0	-	0	-	0
TOTAL	191	272	305	912	0	0	0	0	0	0	995	578
MAXIMUM DAY	27	18	15	62	0	0	0	0	0	0	64	101
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	6	9	10	30	0	0	0	0	0	0	33	19
TOTAL AC.FT.	379	540	605	1,809	0	0	0	0	0	0	1,974	1,146
WHOLE YEAR-- TOTAL,		3,253	MAX.,	101	MIN.,	0	MEAN,	9	TOTAL AC.FT.,		6,453	

**NORTH KERN WATER STORAGE DISTRICT**

**NORTH KERN WATER STORAGE DISTRICT**

Year: 1996

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWS River Entitlement	8,456	25,862	19,277	38,755	43,515	31,270	5,550	220	0	0	9,359	17,812	200,076
Release	17,676	8,338	2,172	4,137	3,285	0	0	0	1,169	6,397	14,386	14,988	72,548
<b>ENTITLEMENT + OR - RELEASE</b>	<b>26,132</b>	<b>34,200</b>	<b>21,449</b>	<b>42,892</b>	<b>46,800</b>	<b>31,270</b>	<b>5,550</b>	<b>220</b>	<b>1,169</b>	<b>6,397</b>	<b>23,745</b>	<b>32,800</b>	<b>272,624</b>
From KPC & Irr. Company	113	1,456	806	1,470	3,318	1,432	282	0	0	0	0	0	8,877
From City of Bakersfield	34	5,744	2,255	1,222	1,553	6,761	12,963	7,700	1,460	846	38	3	40,579
From Isabella Reservoir Storage	14	0	0	0	13,541	6,894	26,218	23,093	13,776	6,974	8,501	24,591	123,602
From Kern Delta WD	0	0	1,158	842	0	0	0	0	0	0	0	0	2,000
From Buena Vista WSD	0	0	0	0	0	0	0	0	0	391	0	0	391
To City of Bakersfield	5,669	0	0	0	0	0	0	0	0	0	0	0	5,669
To La Hacienda, Inc.	29	30	0	0	0	0	0	0	0	0	0	0	59
To Improvement District #4	0	0	0	0	0	0	0	0	0	0	0	0	0
To Buena Vista WSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Into Isabella Reservoir Storage	8,598	22,930	11,849	25,129	25,080	11,831	9,406	4,116	0	305	10,612	15,072	144,928
Other	(349)	(160)	0	0	0	0	0	0	0	0	(4,704)	(21,952)	(27,165)
<b>TOTAL DIVERTED FROM RIVER</b>	<b>11,648</b>	<b>18,280</b>	<b>13,819</b>	<b>21,297</b>	<b>40,132</b>	<b>34,526</b>	<b>35,607</b>	<b>26,897</b>	<b>16,405</b>	<b>14,303</b>	<b>16,968</b>	<b>20,370</b>	<b>270,252</b>
Loss to Seventh Standard Line	559	735	67	60	2,098	2,404	2,462	1,655	161	188	152	165	10,706
Oilfield Discharge	621	902	970	920	452	171	147	133	117	143	179	206	4,961
City of Bakersfield (Non-Kern River)	300	196	28	0	0	0	0	0	0	0	0	0	524
NKWS Deep Well Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Poso Creek Natural Flow	0	5,218	6,883	1,436	1,641	558	0	0	0	0	1,848	0	16,706
Friant-Kern Inflow to Poso Creek	0	0	0	1,220	0	0	0	0	0	0	0	0	5,267
ID4 Exchange via Calloway Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch Improvement District	143	294	968	1,222	1,553	1,761	2,963	2,700	1,692	1,177	216	30	14,719
Semitropic WSD via Poso Creek	0	3,338	1,123	0	0	0	0	0	0	0	0	0	5,516
Shafter-Wasco Irrigation District Inflow	0	0	0	0	0	0	0	0	0	0	0	0	0
Cawelo Water District (Non-Kern River)	0	0	0	0	0	0	0	0	0	0	0	0	0
CVC Conduit "A" Inflow	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL DISTRICT SUPPLY</b>	<b>11,867</b>	<b>20,229</b>	<b>19,542</b>	<b>23,591</b>	<b>38,574</b>	<b>31,090</b>	<b>30,329</b>	<b>22,675</b>	<b>14,669</b>	<b>13,081</b>	<b>18,627</b>	<b>22,495</b>	<b>266,769</b>
Class 1 Irrigation Deliveries	950	1,206	4,383	10,333	13,614	16,757	17,221	12,188	6,805	5,904	362	39	89,762
Class 2 Irrigation Deliveries	347	857	2,245	5,753	8,290	9,067	9,752	6,621	4,366	3,346	288	87	51,019
Semitropic WSD Exchange Deliveries	109	113	77	217	243	696	510	454	194	16	0	0	2,629
Shafter-Wasco ID Exchange Deliveries	0	0	0	0	0	0	355	919	852	0	0	0	2,126
<b>TOTAL IRRIGATION USE</b>	<b>1,406</b>	<b>2,176</b>	<b>6,705</b>	<b>16,303</b>	<b>22,147</b>	<b>26,520</b>	<b>27,483</b>	<b>19,618</b>	<b>12,284</b>	<b>10,118</b>	<b>650</b>	<b>126</b>	<b>145,536</b>
District Spreading Ponds (Kern)	8,671	13,559	3,827	823	11,443	332	0	0	0	151	13,454	18,252	70,512
District Spreading Ponds (Other)	0	232	1,847	272	604	340	0	0	0	0	1,220	0	4,515
Poso Creek Spreading (Kern)	243	165	0	0	267	0	0	0	0	233	543	217	1,668
Poso Creek Spreading (Other)	0	1,557	2,862	1,787	567	218	0	0	0	0	628	2,114	9,733
Shafter-Wasco Irrigation District	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL DISTRICT SPREADING</b>	<b>8,914</b>	<b>15,513</b>	<b>8,536</b>	<b>2,882</b>	<b>12,881</b>	<b>890</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>384</b>	<b>15,845</b>	<b>20,583</b>	<b>86,428</b>
<b>TOTAL DISTRICT USE</b>	<b>10,320</b>	<b>17,689</b>	<b>15,241</b>	<b>19,185</b>	<b>35,028</b>	<b>27,410</b>	<b>27,483</b>	<b>19,618</b>	<b>12,284</b>	<b>10,502</b>	<b>16,495</b>	<b>20,709</b>	<b>231,964</b>
Total NKWS Canal Loss	1,547	2,540	4,301	4,406	3,546	3,680	2,846	3,057	2,385	2,579	2,132	1,786	34,805
Into Reservoir Storage	8,598	22,930	11,849	25,129	25,080	11,831	9,406	4,116	0	305	10,612	15,072	144,928
Reservoir Evaporation Loss	419	307	845	1,547	2,396	2,908	3,290	2,912	2,186	1,357	724	410	19,301
From Reservoir Storage	14	0	0	0	13,541	6,894	26,218	23,093	13,776	6,974	8,501	24,591	123,602
<b>END OF MONTH RESERVOIR STORAGE</b>	<b>73,209</b>	<b>96,832</b>	<b>106,836</b>	<b>130,418</b>	<b>139,561</b>	<b>141,590</b>	<b>121,488</b>	<b>99,599</b>	<b>83,637</b>	<b>75,611</b>	<b>76,998</b>	<b>67,069</b>	

Year: 1996

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

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	215	295	227	410	637	447	572	573	297	413	219	438
2	215	306	230	434	664	493	608	543	320	435	242	443
3	215	310	228	448	653	601	688	530	365	428	248	421
4	177	312	227	410	629	646	694	517	395	367	219	408
5	0	315	225	388	613	669	711	519	490	286	220	411
6	0	306	223	391	623	686	689	581	485	297	256	228
7	0	302	232	450	664	671	707	647	412	362	228	129
8	0	305	231	482	698	632	726	639	388	411	248	57
9	0	305	231	479	717	636	732	631	395	473	235	363
10	0	303	230	497	727	653	712	616	380	489	231	419
11	0	304	227	490	683	676	664	601	412	476	254	369
12	0	321	209	504	660	682	635	590	456	421	252	371
13	0	325	218	502	739	667	575	653	432	355	236	373
14	23	319	220	519	729	648	597	685	375	382	206	373
15	71	315	238	492	678	629	624	690	384	394	254	366
16	285	314	219	475	679	642	638	683	457	352	284	369
17	335	306	165	489	680	702	661	612	475	325	287	369
18	247	263	198	483	692	700	665	537	485	289	327	363
19	279	275	231	498	697	706	639	553	495	249	390	364
20	280	354	253	502	715	683	571	535	457	259	392	361
21	282	335	299	495	706	646	576	520	368	277	464	351
22	281	316	266	497	708	612	602	479	316	252	456	344
23	298	319	266	526	705	610	627	436	356	244	435	369
24	280	295	288	539	667	616	680	415	414	252	446	371
25	293	283	312	548	604	639	679	447	434	245	453	366
26	274	221	368	581	571	605	589	483	410	179	447	364
27	285	227	399	595	523	589	508	492	369	170	468	351
28	293	272	410	594	550	575	500	492	343	183	451	350
29	298	275	371	585	514	557	507	449	344	181	456	352
30	300	-	370	592	454	564	530	407	409	161	456	345
31	308	-	350	-	452	-	543	347	-	140	-	340
TOTAL	5,534	8,698	8,161	14,895	20,031	18,882	19,449	16,902	12,118	9,747	9,760	10,898
MAXIMUM DAY	335	354	410	595	739	706	732	690	495	489	468	443
MINIMUM DAY	0	221	165	388	452	447	500	347	297	140	206	57
MEAN	179	300	263	497	646	629	627	545	404	314	325	352
TOTAL AC.FT.	10,977	17,252	16,187	29,544	39,731	37,452	38,576	33,525	24,036	19,333	19,359	21,616
WHOLE YEAR:-	TOTAL,	155,075	MAX.,	739	MIN.,	0	MEAN,	424	TOTAL AC.FT.,	307,588		

Year: 1996

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	32	28	27	26	4	5	4	0	4	2	4	4
2	26	31	29	26	5	5	3	0	4	3	4	5
3	26	28	28	27	5	4	16	0	3	2	4	4
4	28	26	26	27	6	4	10	0	3	3	4	4
5	0	29	27	32	6	4	4	0	4	3	4	3
6	0	24	25	32	5	4	4	1	4	3	4	4
7	0	28	26	31	3	5	4	1	4	3	4	4
8	0	27	28	29	3	4	4	3	4	2	4	4
9	0	28	31	29	4	5	3	3	4	2	4	4
10	0	26	31	30	3	4	3	3	4	3	4	4
11	0	28	26	29	4	4	3	3	3	3	4	4
12	0	28	25	29	4	4	4	4	3	3	4	4
13	0	24	27	30	3	5	3	4	3	4	4	3
14	0	27	27	25	27	5	4	4	2	3	4	3
15	0	27	29	24	26	4	3	3	3	3	4	3
16	21	30	30	26	24	5	3	4	3	4	4	3
17	28	28	30	28	28	5	4	4	3	4	5	3
18	29	29	26	27	29	3	3	4	2	4	4	3
19	29	30	27	30	30	3	3	4	3	4	4	15
20	31	29	25	35	29	4	1	4	2	4	4	28
21	31	27	28	33	27	4	1	3	3	4	4	4
22	25	26	30	30	26	4	0	3	3	3	4	4
23	24	29	30	29	26	4	0	4	3	3	4	4
24	25	29	28	28	29	4	0	4	2	4	4	3
25	26	28	27	31	4	4	0	4	2	4	4	4
26	30	27	25	29	5	3	1	4	2	4	4	4
27	31	27	27	29	4	3	1	4	2	4	4	3
28	28	29	30	29	4	4	1	4	3	4	4	3
29	28	30	31	13	4	4	1	4	2	3	4	4
30	27	-	34	5	4	4	1	4	2	4	5	4
31	30	-	30	-	4	-	1	4	-	4	-	3
TOTAL	555	807	870	828	385	124	93	91	89	103	122	149
MAXIMUM DAY	32	31	34	35	30	5	16	4	4	4	5	28
MINIMUM DAY	0	24	25	5	3	3	0	0	2	2	4	3
MEAN	18	28	28	28	12	4	3	3	3	3	4	5
TOTAL AC.FT.	1,101	1,600	1,725	1,642	764	246	185	180	177	205	242	296
WHOLE YEAR:-	TOTAL,	4,216	MAX.,	35	MIN.,	0	MEAN,	12	TOTAL AC.FT.,	8,363		

Year: 1996

Total Diverted via  
Cross Valley Canal Conduit "A"

DISCHARGE IN CUBIC FEET PER SECOND

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

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

Year: 1996

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
+ Kern River	10,977	17,252	16,187	29,544	39,731	37,452	38,576	33,525	24,036	19,333	19,359	21,616	307,588
+ Oilfield Discharge	1,101	1,600	1,725	1,642	764	246	185	180	177	205	242	296	8,363
+ C.V.C. Conduit "A"	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>+ TOTAL BEARDSLEY CANAL SUPPLY</b>	<b>12,078</b>	<b>18,852</b>	<b>17,912</b>	<b>31,186</b>	<b>40,495</b>	<b>37,698</b>	<b>38,761</b>	<b>33,705</b>	<b>24,213</b>	<b>19,538</b>	<b>19,601</b>	<b>21,912</b>	<b>315,951</b>
+ KRC & Irr. Co. # 1 Lateral (Total Flow)	0	0	343	601	1,069	1,186	1,196	1,244	712	504	34	42	6,931
+ KRC & Irr. Co. # 2 Lateral	0	0	0	0	0	0	0	0	0	0	0	0	0
+ KRC & Irr. Co. # 4 Lateral	0	108	175	288	433	517	618	495	105	72	0	0	2,811
+ KRC & Irr. Co. # 5 Lateral	0	0	0	360	371	456	527	514	114	77	4	0	2,423
+ KRC & Irr. Co. Bidart Boosters	6	1	209	208	228	226	249	80	61	51	45	0	1,364
+ KRC & Irr. Co. via 1-0-20	0	0	0	0	0	0	0	0	0	0	0	0	0
+ KRC & Irr. Co. via 1-0-80	0	0	0	4	0	8	4	4	7	0	0	0	27
+ Lined Section Loss	6	12	58	60	61	60	61	61	60	60	28	6	533
<b>- TOTAL KRC &amp; IRR. CO. DIVERTED</b>	<b>12</b>	<b>121</b>	<b>785</b>	<b>1,521</b>	<b>2,162</b>	<b>2,453</b>	<b>2,655</b>	<b>2,398</b>	<b>1,059</b>	<b>764</b>	<b>111</b>	<b>48</b>	<b>14,089</b>
- Kern River Supply	0	81	768	1,521	2,162	2,453	2,655	2,398	1,059	764	111	48	14,020
- Oilfield Discharge Supply	12	40	17	0	0	0	0	0	0	0	0	0	69
- 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"	208	633	2,161	6,898	10,381	12,182	12,538	11,554	6,843	3,949	2,261	1,250	70,858
+ Cawelo WD Lerdo Gate Deliveries	0	34	137	493	405	845	916	538	407	274	0	0	4,049
+ Lined Section Loss	14	38	58	60	61	60	61	61	60	61	60	56	650
+ Lerdo Canal Loss	0	9	24	78	112	137	141	125	75	44	22	12	779
<b>- TOTAL CAWELO WD DIVERTED</b>	<b>222</b>	<b>714</b>	<b>2,380</b>	<b>7,529</b>	<b>10,959</b>	<b>13,224</b>	<b>13,656</b>	<b>12,278</b>	<b>7,385</b>	<b>4,328</b>	<b>2,343</b>	<b>1,318</b>	<b>76,336</b>
- Kern River Supply	54	252	1,670	6,807	10,647	13,149	13,618	12,231	7,325	4,266	2,280	1,228	73,527
- Oilfield Discharge Supply	168	462	710	722	312	75	38	47	60	62	63	90	2,809
- C.V.C. Conduit "A" Supply	0	0	0	0	0	0	0	0	0	0	0	0	0
- Rosedale Ranch ID Diverted	143	175	898	1,141	151	0	0	0	1,276	1,177	216	30	5,207
- Kern-Tulare WD/Rag Gulch WD Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
- Lined Section Loss: NKWSD	111	123	67	60	61	60	61	61	60	62	92	121	939
<b>= NKWSD FROM LERDO CANAL</b>	<b>11,590</b>	<b>17,719</b>	<b>13,782</b>	<b>20,935</b>	<b>27,162</b>	<b>21,961</b>	<b>22,389</b>	<b>18,968</b>	<b>14,433</b>	<b>13,207</b>	<b>16,839</b>	<b>20,395</b>	<b>219,380</b>
- Kern River Supply	10,889	16,770	12,879	20,075	26,771	21,850	22,303	18,896	14,376	13,126	16,752	20,310	214,997
- Oilfield Discharge Supply	812	1,072	970	920	452	171	147	133	117	143	179	206	5,322
- C.V.C. Conduit "A" Supply	0	0	0	0	0	0	0	0	0	0	0	0	0

Year: 1996

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	244	320	251	409	615	414	538	526	261	388	216	439
2	238	334	256	414	640	470	573	493	285	405	241	438
3	238	335	249	431	623	560	653	491	330	401	248	414
4	202	335	248	397	605	614	655	476	364	347	218	409
5	0	341	247	387	591	633	664	475	467	272	220	411
6	0	327	240	395	598	637	636	533	458	289	256	229
7	0	327	249	455	639	623	650	596	391	351	227	130
8	0	329	252	486	666	585	667	592	376	397	245	58
9	0	330	252	477	678	596	681	592	385	461	236	364
10	0	326	252	493	681	605	659	580	372	474	232	420
11	0	329	243	488	636	633	614	567	402	465	251	370
12	0	346	225	505	618	644	593	543	445	411	251	372
13	0	337	236	511	694	628	546	611	419	347	235	373
14	20	333	240	529	717	599	570	634	362	373	207	373
15	68	330	260	499	665	587	584	642	372	386	255	366
16	303	332	240	484	667	604	599	642	446	345	285	369
17	360	331	185	478	676	653	616	575	464	319	289	369
18	272	289	208	470	687	651	621	511	475	283	322	363
19	304	293	232	494	698	655	593	529	484	242	385	376
20	307	371	251	509	695	640	528	502	448	251	388	386
21	310	359	298	507	685	606	545	490	358	269	465	352
22	303	339	268	504	684	571	565	457	306	241	457	345
23	319	345	272	533	686	571	580	415	335	235	436	370
24	302	321	296	544	663	579	634	396	390	243	447	365
25	316	308	317	554	578	602	638	428	419	236	454	367
26	301	245	368	585	550	567	546	437	396	171	448	365
27	313	251	401	597	494	563	465	448	357	164	469	351
28	318	298	418	607	518	554	463	452	332	167	452	350
29	323	302	378	582	481	531	473	409	333	168	457	353
30	324	-	377	572	421	534	487	370	381	162	458	346
31	335	-	362	-	415	-	505	311	-	139	-	340
TOTAL	6,020	9,363	8,571	14,896	19,264	17,709	18,141	15,722	11,613	9,402	9,750	10,933
MAXIMUM DAY	360	371	418	607	717	655	681	642	484	474	469	439
MINIMUM DAY	0	245	185	387	415	414	463	311	261	139	207	58
MEAN	194	323	276	497	621	590	585	507	387	303	325	353
TOTAL AC.FT.	11,941	18,570	17,002	29,545	38,211	35,125	35,984	31,185	23,034	18,651	19,338	21,687
WHOLE YEAR:-	TOTAL	151,384	MAX.,	717	MIN.,	0	MEAN,	414	TOTAL AC.FT.,	300,273		

NORTH KERN WATER STORAGE DISTRICT  
LERDO CANAL OPERATIONS

Year: 1996

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Total Beardsley Canal Supply	+ 12,078	18,852	17,912	31,186	40,495	37,698	38,761	33,705	24,213	19,538	19,601	21,912	315,951
+ KRC & Irr. Co. Laterals	0	108	518	1,168	1,246	1,691	1,915	1,793	588	387	38	42	9,494
+ KRC & Irr. Co. Boosters	6	1	209	212	228	234	253	84	68	51	45	0	1,391
+ Lined Section Loss: KRC & Irr. Co.	6	12	58	60	61	60	61	61	60	60	28	6	533
= KRC & Irr. Co. from Beardsley	- 12	121	785	1,440	1,535	1,985	2,229	1,938	716	498	111	48	11,418
Rosedale Ranch ID via 1-1-0	- 0	0	0	81	627	468	426	460	184	0	0	0	2,246
KCWA-ID4 via 1-1-0 Lateral	- 0	0	0	0	0	0	0	0	159	266	0	0	425
Other from Beardsley	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss: Cawelo WD	- 14	38	58	60	61	60	61	61	60	61	60	56	650
Lined Section Loss: NKWSD	- 111	123	67	60	61	60	61	61	60	62	92	121	939
Lerdo Canal Total Flow	= 11,941	18,570	17,002	29,545	38,211	35,125	35,984	31,185	23,034	18,651	19,338	21,687	300,273
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	- 143	175	898	1,141	151	0	0	0	1,276	1,177	216	30	5,207
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"	208	633	2,161	6,898	10,381	12,182	12,538	11,554	6,843	3,949	2,261	1,250	70,858
+ Cawelo WD 8-0 Deliveries	0	34	137	493	405	845	916	538	407	274	0	0	4,049
+ Lerdo Loss: to Station "B"	0	8	22	69	104	122	125	116	68	39	22	12	707
+ Lerdo Loss: 8-0 Deliveries	0	1	2	9	8	15	16	9	7	5	0	0	72
= Cawelo WD Total from Lerdo	- 208	676	2,322	7,469	10,898	13,164	13,595	12,217	7,325	4,267	2,283	1,262	75,686

North Kern WSD from Lerdo	= 11,590	17,719	13,782	20,935	27,162	21,961	22,389	18,968	14,433	13,207	16,839	20,395	219,380
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Year: 1996

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	116	46	25	43	68	257	226	269	161	58	34	29
2	110	8	21	41	69	266	234	269	165	53	40	36
3	103	0	21	35	71	266	261	276	170	59	42	34
4	77	14	21	38	68	272	276	239	167	53	39	29
5	42	48	21	45	105	294	266	233	119	56	36	27
6	50	50	22	37	179	308	261	230	106	58	36	32
7	53	53	25	42	177	329	258	218	111	55	36	31
8	24	61	25	36	197	328	279	196	115	66	37	31
9	25	53	28	38	225	330	309	197	112	101	39	31
10	21	56	29	35	225	331	338	219	120	97	40	29
11	20	50	28	31	246	296	305	194	119	98	39	31
12	22	30	29	36	282	296	283	196	113	93	38	32
13	24	12	29	41	304	315	265	211	55	86	37	27
14	22	0	26	42	408	250	284	234	57	86	33	27
15	25	0	37	42	401	251	293	225	61	95	32	31
16	23	0	94	40	417	264	303	232	63	112	35	29
17	0	0	84	36	419	279	299	214	57	109	39	27
18	0	0	29	38	418	278	289	205	65	108	39	28
19	0	0	24	39	416	296	289	205	62	103	37	27
20	0	168	29	43	413	297	294	194	64	100	36	28
21	0	134	34	41	438	257	300	197	57	106	36	28
22	0	90	62	46	444	253	306	207	57	105	35	38
23	0	23	66	45	396	268	296	197	59	107	25	26
24	0	22	46	61	309	265	306	185	63	110	26	28
25	0	25	34	55	298	248	294	190	63	112	36	33
26	0	20	35	53	317	258	279	178	60	98	35	24
27	0	21	37	64	310	247	297	184	59	97	35	23
28	0	23	34	62	273	244	294	187	61	91	38	27
29	0	26	34	55	252	228	290	189	60	102	28	25
30	0	-	30	56	268	229	271	179	62	93	34	23
31	0	-	36	-	269	-	271	172	-	83	-	40
TOTAL	757	1,033	1,095	1,316	8,682	8,300	8,816	6,521	2,663	2,750	1,072	911
MAXIMUM DAY	116	168	94	64	444	331	338	276	170	112	42	40
MINIMUM DAY	0	0	21	31	68	228	226	172	55	53	25	23
MEAN	24	36	35	44	280	277	284	210	89	89	36	29
TOTAL AC.FT.	1,501	2,049	2,172	2,610	17,220	16,463	17,486	12,934	5,282	5,455	2,126	1,807
WHOLE YEAR:-	TOTAL,	43,916	MAX.,	444	MIN.,	0	MEAN,	120	TOTAL AC.FT.,	87,105		

Cross Valley Canal - Calloway Canal Turnout  
(As reported by Kern County Water Agency)

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1996

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	9	7	19	0	0	0	0	0	0	0	0
2	0	0	0	19	0	0	0	0	0	0	0	0
3	0	0	0	19	0	0	0	0	0	0	0	0
4	0	0	0	24	0	0	0	0	0	0	0	0
5	0	0	0	19	0	0	0	0	0	0	0	0
6	0	0	0	19	0	0	0	0	0	0	0	0
7	0	0	9	23	0	0	0	0	0	0	0	0
8	24	0	19	11	0	0	0	0	0	0	0	0
9	44	0	21	0	0	0	0	0	0	0	0	0
10	18	0	21	9	0	0	0	0	0	0	0	0
11	0	0	21	23	0	0	0	0	0	0	0	0
12	0	0	18	13	0	0	0	0	0	0	0	0
13	0	0	16	13	0	0	0	0	0	0	0	0
14	0	0	16	12	0	0	0	0	0	0	0	0
15	0	0	16	13	0	0	0	0	0	0	0	0
16	0	16	6	13	0	0	0	0	0	0	0	0
17	0	35	0	16	0	0	0	0	0	0	0	0
18	0	34	9	14	0	0	0	0	0	0	0	0
19	16	33	18	14	0	0	0	0	0	0	0	0
20	18	22	20	14	0	0	0	0	0	0	0	0
21	38	18	18	15	0	0	0	0	0	0	0	0
22	28	18	11	13	0	0	0	0	0	0	0	0
23	34	18	0	13	0	0	0	0	0	0	0	0
24	34	25	0	13	0	0	0	0	0	0	0	0
25	36	28	0	5	0	0	0	0	0	0	0	0
26	36	28	10	0	0	0	0	0	0	0	0	0
27	28	25	20	0	0	0	0	0	0	0	0	0
28	28	24	22	0	0	0	0	0	0	0	0	0
29	26	16	20	0	0	0	0	0	0	0	0	0
30	28	-	20	0	0	0	0	0	0	0	0	0
31	44	-	15	-	0	-	0	0	-	0	-	0
TOTAL	480	349	353	366	0	0	0	0	0	0	0	0
MAXIMUM DAY	44	35	22	24	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	15	12	11	12	0	0	0	0	0	0	0	0
TOTAL AC.FT.	952	692	700	726	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,548	MAX.,	44	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	3,070		

February discharge includes 58 cfs (115 acre-feet) delivered via Calloway Canal Headworks.

Total Flow Passing Seventh Standard Line  
via Calloway Canal for North Kern WSD

Year: 1996

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	47	23	0	0	0	132	82	124	42	0	0	0
2	42	0	0	0	0	119	94	135	36	0	0	0
3	37	0	0	0	0	114	114	122	47	0	0	0
4	14	0	0	0	0	117	122	86	40	0	0	0
5	0	15	0	0	0	134	125	97	0	0	0	0
6	0	30	0	0	45	159	122	79	0	0	0	0
7	0	29	0	0	58	172	105	35	0	0	0	0
8	0	32	0	0	71	193	135	33	0	0	0	0
9	0	24	0	0	104	202	171	43	0	0	0	0
10	0	28	0	0	98	192	186	67	0	0	0	0
11	0	21	0	0	108	165	163	49	0	0	0	0
12	0	7	0	0	160	175	130	45	0	0	0	0
13	0	0	0	0	170	164	133	62	0	0	0	0
14	0	0	0	0	242	111	142	86	0	0	0	0
15	0	0	0	0	261	112	135	78	0	0	0	0
16	0	0	0	0	265	126	139	83	0	0	0	0
17	0	0	0	0	271	135	150	60	0	0	0	0
18	0	0	0	0	268	134	145	61	0	0	0	0
19	0	0	0	0	283	156	136	54	0	0	0	0
20	0	56	0	0	274	157	135	49	0	0	0	0
21	0	31	0	0	293	124	138	56	0	0	0	0
22	0	15	0	0	311	145	149	50	0	0	0	0
23	0	0	0	0	290	140	123	35	0	0	0	0
24	0	12	0	0	216	151	120	28	0	0	0	0
25	0	0	0	0	186	135	100	29	0	0	0	0
26	0	0	0	0	188	145	95	26	0	0	0	0
27	0	0	0	0	191	133	116	19	0	0	0	0
28	0	0	0	0	165	137	139	41	0	0	0	0
29	0	0	0	0	138	120	134	53	0	0	0	0
30	0	-	0	0	134	122	113	47	0	0	0	0
31	0	-	0	-	136	-	112	37	-	0	-	0
TOTAL	140	323	0	0	4,926	4,321	4,003	1,869	165	0	0	0
MAXIMUM DAY	47	56	0	0	311	202	186	135	47	0	0	0
MINIMUM DAY	0	0	0	0	0	111	82	19	0	0	0	0
MEAN	5	11	0	0	159	144	129	60	6	0	0	0
TOTAL AC.FT.	277	641	0	0	9,771	8,571	7,940	3,707	327	0	0	0
WHOLE YEAR:-	TOTAL,	15,747	MAX.,	311	MIN.,	0	MEAN,	43	TOTAL AC.FT.,	31,234		

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

Quantities in acre-feet

Year: 1996

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>FLOW AT HEADWORKS</b>	+ 1,501	2,049	2,172	2,610	17,220	16,463	17,486	12,934	5,282	5,455	2,126	1,807	87,105
KCWA Armco Turnout	- 720	761	1,779	2,221	3,439	4,096	4,426	4,350	3,729	3,666	1,991	1,684	32,862
Seepage Loss	- 56	88	131	135	153	159	182	164	129	119	105	91	1,512
<b>FLOW AT MEASURING STATION</b>	= 725	1,200	262	254	13,628	12,208	12,878	8,420	1,424	1,670	30	32	52,731
CVC Turnout to Calloway	+ 952	692	700	726	0	0	0	0	0	0	0	0	3,070
Seepage Loss	- 307	254	196	188	680	508	523	563	202	605	30	32	4,088
<b>FLOW AT STANDARD WEIR</b>	= 1,370	1,638	766	792	12,948	11,700	12,355	7,857	1,222	1,065	0	0	51,713
Bartell Spreading	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Inflow	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. 1-1-0 Inflow	+ 0	0	6	188	672	706	783	706	343	240	0	0	3,644
KRC & Irr. Co. Calloway Delivery	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Seepage Loss	- 926	678	587	710	2,021	1,560	1,598	1,710	778	1,305	0	0	11,873
<b>FLOW AT LABORDE WEIR</b>	= 444	960	185	270	11,599	10,846	11,540	6,853	787	0	0	0	43,484
KRC & Irr. Co. Calloway Delivery	- 0	0	0	65	45	192	296	201	0	0	0	0	799
Rosedale Ranch ID at Headworks	- 143	294	889	1,143	1,418	1,640	2,087	2,063	1,317	776	216	30	12,016
Seepage Loss	- 167	211	173	170	399	322	341	245	135	126	60	14	2,963
NKWS 8-1-0 Inflow	+ 143	186	956	1,187	169	0	0	0	1,367	1,303	276	44	5,631
<b>FLOW AT SEVENTH STANDARD LINE</b>	= 277	641	79	79	9,906	8,692	8,816	4,344	702	401	0	0	33,937
for Rosedale Ranch ID	- 0	0	79	79	135	121	876	637	375	401	0	0	2,703
for North Kern WSD	= 277	641	0	0	9,771	8,571	7,940	3,707	327	0	0	0	31,234

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

Operating Loss	+ 68	50	161	169	207	213	236	218	183	173	159	145	1,982
Turnout #4 to River	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
ID #4 Treatment Plant	+ 708	325	1,550	2,187	3,020	3,419	3,778	3,685	3,401	2,887	1,937	1,630	28,527
Cross Valley Canal Filling Losses	+ 0	8	8	0	42	73	135	135	98	73	0	0	572
CVC Backflow (Net)	+ 0	305	191	0	323	550	459	476	176	652	0	0	3,132
Spreading Below Measuring Station	+ 952	577	892	980	1,045	0	0	879	1,014	1,910	30	2	8,281
<b>TOTAL DIVERTED</b>	= 1,728	1,265	2,802	3,336	4,637	4,255	4,608	5,393	4,872	5,695	2,126	1,777	42,494

**KERN RIVER CANAL & IRRIGATING CO.:**

Calloway Irrigation Deliveries	+ 0	0	0	65	45	192	296	201	0	0	0	0	799
Delivery Loss/ Spreading	+ 0	0	6	42	0	46	61	45	0	0	0	0	200
<b>TOTAL DIVERTED</b>	= 0	0	6	107	45	238	357	246	0	0	0	0	999

**ROSEDALE RANCH ID:**

Flow at Headworks	+ 143	294	889	1,143	1,418	1,640	2,087	2,063	1,317	776	216	30	12,016
Flow at Seventh Standard Line	+ 0	0	79	79	135	121	876	637	375	401	0	0	2,703
Assigned Loss	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
<b>TOTAL DIVERTED</b>	= 143	294	968	1,222	1,553	1,761	2,963	2,700	1,692	1,177	216	30	14,719

**NORTH KERN WATER STORAGE DISTRICT:**

Flow at Seventh Standard Line	+ 277	641	0	0	9,771	8,571	7,940	3,707	327	0	0	0	31,234
Total Loss	+ 448	612	58	46	2,055	2,344	2,401	1,594	101	126	60	44	9,889
<b>TOTAL DIVERTED</b>	= 725	1,253	58	46	11,826	10,915	10,341	5,301	428	126	60	44	41,123

North Kern Water Storage District  
Class 1 Irrigation Deliveries

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1996

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	27	20	195	208	172	227	218	48	98	21	0
2	18	17	27	185	212	137	256	212	89	99	15	0
3	16	15	19	173	211	224	282	222	106	110	9	0
4	10	11	49	150	199	245	279	170	103	91	13	5
5	7	6	20	123	182	260	310	180	149	90	5	6
6	2	9	31	109	201	292	321	218	140	62	8	3
7	5	26	20	51	211	304	320	217	101	133	0	3
8	0	18	15	167	214	306	304	218	55	177	0	0
9	0	24	17	178	242	293	335	229	131	192	0	0
10	0	24	14	208	235	337	354	219	94	190	0	0
11	0	15	16	162	207	335	309	196	124	196	2	1
12	0	18	47	206	163	346	316	230	152	134	2	0
13	0	26	35	193	216	351	282	254	145	92	3	0
14	0	28	34	168	218	321	233	266	114	126	4	0
15	4	18	42	190	221	281	310	254	86	125	7	0
16	9	10	57	180	275	232	312	255	153	143	6	0
17	17	13	56	183	277	312	341	209	147	143	4	0
18	24	5	76	196	277	315	315	166	160	112	7	1
19	18	30	95	208	225	293	235	215	167	60	19	0
20	18	27	84	167	260	325	254	197	161	47	21	0
21	13	23	87	149	280	302	213	202	103	75	16	0
22	29	26	91	159	262	293	336	205	55	60	4	0
23	15	25	90	168	247	253	317	170	90	60	0	0
24	35	27	80	184	241	306	318	142	112	90	0	0
25	28	17	134	213	201	304	326	114	105	83	6	0
26	29	69	169	184	162	293	261	166	117	42	4	0
27	41	16	170	193	219	304	224	186	123	17	3	0
28	25	18	152	175	210	289	168	191	111	38	0	0
29	41	20	156	206	217	207	196	174	86	43	4	0
30	39	-	167	186	184	216	204	151	104	28	0	0
31	36	-	140	-	186	-	224	99	-	20	-	0
TOTAL	479	608	2,210	5,209	6,863	8,448	8,682	6,145	3,431	2,976	183	19
MAXIMUM DAY	41	69	170	213	280	351	354	266	167	196	21	6
MINIMUM DAY	0	5	14	51	162	137	168	99	48	17	0	0
MEAN	15	21	71	174	221	282	280	198	114	96	6	1
TOTAL AC.FT.	950	1,206	4,383	10,333	13,614	16,757	17,221	12,188	6,805	5,904	362	39
WHOLE YEAR:-	TOTAL,	45,253	MAX.,	354	MIN.,	0	MEAN,	124	TOTAL AC.FT.,	89,762		

North Kern Water Storage District  
Class 2 Irrigation Deliveries

Year: 1996

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	13	12	97	99	109	154	121	51	71	12	5
2	4	14	6	101	119	96	170	147	32	75	9	0
3	4	12	0	94	129	119	208	129	67	63	6	7
4	5	13	16	99	127	165	192	112	74	68	9	0
5	6	7	24	92	124	137	164	121	74	52	9	0
6	4	10	17	80	123	168	171	121	90	43	7	0
7	4	8	21	60	122	164	165	130	81	64	8	0
8	0	8	20	116	161	177	174	120	59	50	7	0
9	0	8	18	100	156	148	181	122	73	75	7	2
10	0	5	20	108	139	169	187	113	91	64	9	2
11	0	6	23	115	150	169	201	80	78	78	9	2
12	0	10	19	124	109	195	162	113	89	65	3	2
13	0	16	30	118	135	184	144	126	84	34	3	2
14	0	21	32	99	173	142	130	166	60	39	1	2
15	0	29	32	121	170	153	140	147	51	57	0	2
16	0	24	23	105	168	175	141	121	62	70	10	2
17	7	22	21	90	166	189	166	113	80	41	8	2
18	9	10	33	82	146	169	158	104	89	41	8	1
19	10	31	31	84	114	174	166	115	64	46	11	1
20	12	18	55	94	138	185	151	109	72	55	4	4
21	10	10	62	88	156	122	132	108	85	68	2	2
22	6	9	60	86	164	120	164	119	70	60	0	3
23	11	12	39	100	167	124	169	109	76	66	0	3
24	6	10	31	92	123	125	171	92	69	60	0	0
25	9	9	60	100	123	144	162	62	87	49	2	0
26	11	27	81	109	122	173	140	80	92	38	1	0
27	10	29	74	99	127	153	122	80	87	34	0	0
28	8	19	63	75	131	137	112	70	85	43	0	0
29	12	22	77	93	105	153	140	74	49	62	0	0
30	12	-	73	80	103	134	147	59	80	33	0	0
31	15	-	59	-	91	-	133	55	-	23	-	0
TOTAL	175	432	1,132	2,901	4,180	4,572	4,917	3,338	2,201	1,687	145	44
MAXIMUM DAY	15	31	81	124	173	195	208	166	92	78	12	7
MINIMUM DAY	0	5	0	60	91	96	112	55	32	23	0	0
MEAN	6	15	37	97	135	152	159	108	73	54	5	1
TOTAL AC.FT.	347	857	2,245	5,753	8,290	9,067	9,752	6,621	4,366	3,346	288	87
WHOLE YEAR:--	TOTAL,	25,724	MAX.,	208	MIN.,	0	MEAN,	70	TOTAL AC.FT.,	51,019		

Year: 1996

Total Diverted to Rosedale Ranch Improvement District

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	11	19	30	29	35	36	24	35	5	3
2	0	0	11	17	27	35	41	24	29	35	3	5
3	0	5	11	17	18	39	43	38	23	37	2	3
4	0	5	11	23	15	46	46	43	28	30	3	1
5	0	5	11	22	19	41	39	40	28	21	3	1
6	0	0	12	17	19	35	36	54	21	17	3	1
7	0	5	9	20	17	33	42	58	35	20	3	1
8	0	7	9	14	25	21	36	54	32	21	4	0
9	0	7	9	19	32	15	35	45	28	27	4	0
10	0	5	9	24	35	17	38	46	19	39	4	0
11	0	7	8	23	35	26	44	39	17	40	4	0
12	0	7	10	24	27	30	44	39	18	30	4	0
13	0	7	13	22	30	31	44	39	21	27	4	0
14	0	7	25	20	27	31	43	39	26	23	4	0
15	0	0	20	20	25	35	44	38	29	21	4	0
16	0	5	17	17	33	38	47	50	34	16	4	0
17	0	5	16	17	33	38	38	49	37	18	4	0
18	0	5	16	18	31	43	38	39	35	20	4	0
19	0	5	13	11	23	46	48	44	28	11	6	0
20	5	5	14	9	32	48	46	42	28	8	6	0
21	8	5	14	9	31	42	51	40	26	8	4	0
22	8	2	14	8	28	22	54	53	20	15	3	0
23	8	2	21	14	20	25	58	55	26	9	3	0
24	6	2	28	20	15	26	64	55	29	13	3	0
25	5	2	30	28	14	24	81	51	26	13	3	0
26	5	11	31	30	17	20	79	55	33	11	3	0
27	5	12	25	31	23	16	72	66	34	7	3	0
28	5	14	17	33	23	11	51	47	40	6	3	0
29	6	6	18	35	25	12	52	31	39	6	3	0
30	6	-	17	35	27	13	51	28	40	4	3	0
31	5	-	18	-	27	-	54	24	-	5	-	0
TOTAL	72	148	488	616	783	888	1,494	1,361	853	593	109	15
MAXIMUM DAY	8	14	31	35	35	48	81	66	40	40	6	5
MINIMUM DAY	0	0	8	8	14	11	35	24	17	4	2	0
MEAN	2	5	16	21	25	30	48	44	28	19	4	0
TOTAL AC.FT.	143	294	968	1,222	1,553	1,761	2,963	2,700	1,692	1,177	216	30
WHOLE YEAR:-	TOTAL,	7,420	MAX.,	81	MIN.,	0	MEAN,	20	TOTAL AC.FT.,	14,719		

**ROSEDALE RANCH IMPROVEMENT DISTRICT**

Year: 1996

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
<b>TOTAL DIVERTED</b>	+	143	294	968	1,222	1,553	1,761	2,963	2,700	1,692	1,177	216	30	14,719
RRID at Headgate	-	143	294	889	1,143	1,418	1,640	2,087	2,063	1,317	776	216	30	12,016
RRID via NKWSD 5-2 Lateral	-	0	0	0	0	0	0	0	0	0	0	0	0	0
RRID via NKWSD 5-7 Lateral	-	0	0	79	79	135	121	876	637	375	401	0	0	2,703
Upstream Diversion Loss	=	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>IRRIGATION DELIVERIES</b>	+	0	66	418	755	934	1,047	2,177	1,960	1,244	846	38	3	9,488
City of Bakersfield Miscellaneous	-	0	66	418	755	934	1,047	2,177	1,960	1,244	846	38	3	9,488
City of Bakersfield Non-Kern River	-	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD Kern River Exchange	-	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD Non-Kern River	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Floodwater	=	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>LOSS &amp; SPREADING</b>	+	143	228	550	467	619	714	786	740	448	331	178	27	5,231
City of Bakersfield Miscellaneous	-	34	202	522	467	619	714	786	740	216	0	0	0	4,300
City of Bakersfield Non-Kern River	-	109	26	28	0	0	0	0	0	0	0	0	0	163
NKWSD Kern River Exchange	-	0	0	0	0	0	0	0	0	232	331	178	27	768
NKWSD Non-Kern River	-	0	0	0	0	0	0	0	0	0	0	0	0	0
Friant-Kern Floodwater	=	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>RECHARGE PURCHASE PROGRAM</b>	+	191	3,155	1,315	0	0	0	0	0	0	0	0	0	4,661
City of Bakersfield Miscellaneous	-	0	2,985	1,315	0	0	0	0	0	0	0	0	0	4,300
City of Bakersfield Non-Kern River	=	191	170	0	0	0	0	0	0	0	0	0	0	361
<b>NKWSD/RRID EXCHANGE STATUS</b>														
RRID to NKWSD	+	191	3,155	1,315	0	0	0	0	0	0	0	0	0	4,661
NKWSD to RRID	-	0	0	0	0	0	0	0	0	232	331	178	27	768
Exchange Balance	=	6,555	9,710	11,025	11,025	11,025	11,025	11,025	11,025	10,793	10,462	10,284	10,257	

Year: 1996

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	108	54	0	0	0	0	0	0	0	0
2	0	0	106	55	0	0	0	0	0	0	0	0
3	0	0	106	92	0	0	0	0	0	0	0	0
4	0	0	112	64	0	0	0	0	0	0	0	0
5	0	0	112	52	0	0	0	0	0	0	0	0
6	0	0	252	38	0	0	0	0	0	0	0	0
7	0	51	200	44	0	0	0	0	0	0	0	0
8	0	25	159	26	0	0	0	0	0	0	0	0
9	0	21	135	24	0	0	0	0	0	0	0	0
10	0	12	125	23	0	0	0	0	0	0	0	0
11	0	10	110	20	0	0	0	0	0	0	0	0
12	0	0	110	20	0	0	0	0	0	0	0	220
13	0	0	110	14	0	0	0	0	0	0	0	191
14	0	0	239	12	0	0	0	0	0	0	0	126
15	0	0	166	16	0	0	0	0	0	0	0	93
16	0	0	156	14	0	0	0	0	0	0	0	68
17	0	0	113	24	0	0	0	0	0	0	0	32
18	0	0	100	29	0	0	0	0	0	0	0	11
19	0	0	100	24	0	0	0	0	0	0	0	5
20	0	0	91	18	0	0	0	0	0	0	0	19
21	0	746	86	19	0	0	0	0	0	0	0	11
22	0	423	70	16	0	0	0	0	0	0	0	25
23	0	352	90	13	0	0	0	0	0	0	0	68
24	0	226	97	7	0	0	0	0	0	0	0	111
25	0	187	101	3	0	0	0	0	0	0	0	88
26	0	168	34	3	0	0	0	0	0	0	0	79
27	0	151	42	0	0	0	0	0	0	0	0	57
28	0	135	40	0	0	0	0	0	0	0	0	96
29	0	124	70	0	0	0	0	0	0	0	0	122
30	0	-	76	0	0	0	0	0	0	0	0	84
31	0	-	54	-	0	-	0	0	-	0	-	92
TOTAL	0	2,631	3,470	724	0	0	0	0	0	0	0	1,598
MAXIMUM DAY	0	746	252	92	0	0	0	0	0	0	0	220
MINIMUM DAY	0	0	34	0	0	0	0	0	0	0	0	0
MEAN	0	91	112	24	0	0	0	0	0	0	0	52
TOTAL AC.FT.	0	5,218	6,883	1,436	0	0	0	0	0	0	0	3,169
WHOLE YEAR:-	TOTAL,	8,423	MAX.,	746	MIN.,	0	MEAN,	23	TOTAL AC.FT.,	16,706		

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

Year: 1996

Quantities in acre-feet

	CAWELO WD		SOUTHERN SAN JOAQUIN MUD		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
February	0	0	0	0	109	0	0	0	0	0	0	0	0	191	29	0	0	0
March	0	0	0	0	113	0	0	0	0	0	0	0	0	3,155	30	0	0	0
April	0	0	0	0	77	0	0	1,158	0	0	0	0	0	1,315	0	0	0	0
May	0	0	0	0	217	0	0	842	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	243	0	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	696	0	0	0	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	510	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	454	0	3,355	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	194	0	919	0	0	0	0	0	232	0	0	0	0	0
November	0	0	0	0	16	391	852	0	0	0	0	0	331	0	0	0	0	391
December	0	0	0	0	0	1,848	0	0	0	0	0	0	178	0	0	0	0	0
Yearly Status	0	0	0	0	2,629	2,239	5,126	2,000	0	0	0	0	768	4,661	59	0	0	391
Overall Status	695		10,868		2,457		22,721		2,641		31,739		10,257		5,884		0	

Note: 1) Reflects banking transfer from Shafter-Wasco ID to Paramount Farming Company as per SWID letter dated July 9, 1996.

<b>NKWS/IMPROVEMENT DISTRICT #4 EXCHANGE SUMMARY</b> Pursuant to NKWS/ID #4 Accounting Agreement Dated March 1, 1995			
CATEGORY "A"		CATEGORY "B"	
NKWS ID #	ID #	NKWS ID #	ID #
Date	ID #	NKWS ID #	Status
9-08-88	12,163	7,796	4,367
6-06-90	0	1,630	(1,630)
8-22-91	0	261	(261)
4-23-93	12,557	9,434	3,123
3-02-95	0	8,635	(8,635)
Totals	24,720	27,756	(3,036)
		Totals	395
			0
			395

North Kern Water Storage District  
 Semitropic Water Storage District Exchange Deliveries  
 Year: 1996

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	6	10	4	0	16	0	1	0	0	0	0
2	0	6	10	8	0	10	2	1	0	0	0	0
3	0	0	11	4	0	10	2	0	0	0	0	0
4	0	0	0	7	0	16	2	0	0	0	0	0
5	0	0	0	0	0	16	0	0	0	0	0	0
6	0	0	0	0	0	19	0	3	0	0	0	0
7	0	0	0	0	9	19	0	3	0	0	0	0
8	0	0	0	10	7	23	4	8	0	0	0	0
9	0	0	0	10	6	22	12	8	2	0	0	0
10	0	0	0	10	2	14	17	10	2	0	0	0
11	0	0	0	12	0	11	15	11	2	0	0	0
12	0	0	0	12	0	11	0	13	2	0	0	0
13	0	0	0	6	11	12	0	8	2	0	0	0
14	0	0	0	5	9	7	0	8	0	0	0	0
15	0	0	0	12	8	19	17	15	0	0	0	0
16	0	0	0	2	9	16	19	13	12	0	0	0
17	0	0	0	2	10	16	17	10	9	0	0	0
18	0	0	0	0	0	3	18	3	11	0	0	0
19	0	0	0	0	0	3	19	8	12	0	0	0
20	0	0	0	0	0	3	18	14	12	0	0	0
21	0	0	0	0	7	3	8	14	6	0	0	0
22	0	0	0	2	8	10	17	17	9	0	0	0
23	6	0	0	2	2	11	10	8	4	0	0	0
24	6	0	0	2	2	10	11	3	6	2	0	0
25	6	0	0	0	2	10	16	0	4	2	0	0
26	6	5	0	0	2	10	14	8	3	0	0	0
27	6	11	0	0	2	13	3	10	0	0	0	0
28	6	13	2	0	2	13	3	16	0	2	0	0
29	5	13	3	0	0	5	5	16	0	2	0	0
30	7	-	3	0	10	0	5	0	0	0	0	0
31	7	-	0	-	15	-	3	0	-	0	-	0
TOTAL	55	57	39	110	123	351	257	229	98	8	0	0
MAXIMUM DAY	7	13	11	12	15	23	19	17	12	2	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	1	4	4	12	8	7	3	0	0	0
TOTAL AC.FT.	109	113	77	217	243	696	510	454	194	16	0	0
WHOLE YEAR:-	TOTAL,	1,327	MAX.,	23	MIN.,	0	MEAN,	4	TOTAL AC.FT.,	2,629		

Friant-Kern Inflow to Kern River Channel  
(Semitropic WSD/North Kern WSD/Buena Vista WSD Exchange Program) Year: 1996

DISCHARGE IN CUBIC FEET PER SECOND	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	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	32	0	0
23	0	0	0	0	0	0	0	0	0	41	0	0
24	0	0	0	0	0	0	0	0	0	40	0	0
25	0	0	0	0	0	0	0	0	0	43	0	0
26	0	0	0	0	0	0	0	0	0	29	0	0
27	0	0	0	0	0	0	0	0	0	12	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	197	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	43	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	6	0	0
TOTAL AC.FT.	0	0	0	0	0	0	0	0	0	391	0	0
WHOLE YEAR:-	TOTAL,	197	MAX.,	43	MIN.,	0	MEAN,	1	TOTAL AC.FT.,	391		

Friant-Kern Inflow to Poso Creek Channel  
(Semitropic WSD/North Kern WSD Exchange Program)

Year: 1996

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	48	0
7	0	0	0	0	0	0	0	0	0	0	72	0
8	0	0	0	0	0	0	0	0	0	0	70	0
9	0	0	0	0	0	0	0	0	0	0	70	0
10	0	0	0	0	0	0	0	0	0	0	71	0
11	0	0	0	0	0	0	0	0	0	0	72	0
12	0	0	0	0	0	0	0	0	0	0	70	0
13	0	0	0	0	0	0	0	0	0	0	72	0
14	0	0	0	0	0	0	0	0	0	0	72	0
15	0	0	0	0	0	0	0	0	0	0	72	0
16	0	0	0	0	0	0	0	0	0	0	72	0
17	0	0	0	0	0	0	0	0	0	0	72	0
18	0	0	0	0	0	0	0	0	0	0	71	0
19	0	0	0	0	0	0	0	0	0	0	28	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	932	0
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	72	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	31	0
TOTAL AC.FT.	0	0	0	0	0	0	0	0	0	0	1,848	0
WHOLE YEAR:-	TOTAL,	932	MAX.,	72	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	1,848		

**Friant-Kern Inflow to Kern River Channel**  
**(Shafter-Wasco I.D./North Kern WSD/Kern Delta WD Exchange Program)**      Year: 1996

**DISCHARGE IN CUBIC FEET PER SECOND**

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	28	0	0	0	0	0	0	0	0
2	0	0	0	29	0	0	0	0	0	0	0	0
3	0	0	0	28	0	0	0	0	0	0	0	0
4	0	0	0	18	0	0	0	0	0	0	0	0
5	0	0	0	16	0	0	0	0	0	0	0	0
6	0	0	0	13	0	0	0	0	0	0	0	0
7	0	0	0	17	0	0	0	0	0	0	0	0
8	0	0	0	24	0	0	0	0	0	0	0	0
9	0	0	0	30	0	0	0	0	0	0	0	0
10	0	0	0	31	0	0	0	0	0	0	0	0
11	0	0	0	28	0	0	0	0	0	0	0	0
12	0	0	0	22	0	0	0	0	0	0	0	0
13	0	0	0	24	0	0	0	0	0	0	0	0
14	0	0	0	23	0	0	0	0	0	0	0	0
15	0	0	0	29	0	0	0	0	0	0	0	0
16	0	0	0	23	0	0	0	0	0	0	0	0
17	0	0	0	16	0	0	0	0	0	0	0	0
18	0	0	0	11	0	0	0	0	0	0	0	0
19	0	0	0	10	0	0	0	0	0	0	0	0
20	0	0	38	4	0	0	0	0	0	0	0	0
21	0	0	66	0	0	0	0	0	0	0	0	0
22	0	0	64	0	0	0	0	0	0	0	0	0
23	0	0	63	0	0	0	0	0	0	0	0	0
24	0	0	55	0	0	0	0	0	0	0	0	0
25	0	0	52	0	0	0	0	0	0	0	0	0
26	0	0	57	0	0	0	0	0	0	0	0	0
27	0	0	51	0	0	0	0	0	0	0	0	0
28	0	0	48	0	0	0	0	0	0	0	0	0
29	0	0	36	0	0	0	0	0	0	0	0	0
30	0	-	27	0	0	0	0	0	0	0	0	0
31	0	-	27	-	0	-	0	0	-	0	-	0
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>584</b>	<b>424</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>MAXIMUM DAY</b>	<b>0</b>	<b>0</b>	<b>66</b>	<b>31</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>MINIMUM DAY</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>MEAN</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL AC.FT.</b>	<b>0</b>	<b>0</b>	<b>1,158</b>	<b>842</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>WHOLE YEAR:-</b>	<b>TOTAL,</b>	<b>1,008</b>	<b>MAX.,</b>	<b>66</b>	<b>MIN.,</b>	<b>0</b>	<b>MEAN,</b>	<b>3</b>	<b>TOTAL AC.FT.,</b>	<b>2,000</b>		

North Kern Water Storage District  
 Shafter-Wasco Irrigation District Exchange Deliveries  
 Year: 1996

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	15	18	0	0
2	0	0	0	0	0	0	0	0	16	16	0	0
3	0	0	0	0	0	0	0	0	15	17	0	0
4	0	0	0	0	0	0	0	0	15	16	0	0
5	0	0	0	0	0	0	0	0	15	12	0	0
6	0	0	0	0	0	0	0	0	16	16	0	0
7	0	0	0	0	0	0	0	0	15	15	0	0
8	0	0	0	0	0	0	0	0	16	17	0	0
9	0	0	0	0	0	0	0	0	16	18	0	0
10	0	0	0	0	0	0	0	0	14	14	0	0
11	0	0	0	0	0	0	0	0	16	16	0	0
12	0	0	0	0	0	0	0	0	15	15	0	0
13	0	0	0	0	0	0	0	0	14	15	0	0
14	0	0	0	0	0	0	0	0	14	17	0	0
15	0	0	0	0	0	0	0	0	17	16	0	0
16	0	0	0	0	0	0	0	0	15	16	0	0
17	0	0	0	0	0	0	0	0	16	16	0	0
18	0	0	0	0	0	0	0	0	16	14	0	0
19	0	0	0	0	0	0	0	7	19	16	0	0
20	0	0	0	0	0	0	0	8	12	15	0	0
21	0	0	0	0	0	0	0	14	17	8	0	0
22	0	0	0	0	0	0	0	14	16	15	0	0
23	0	0	0	0	0	0	0	14	16	16	0	0
24	0	0	0	0	0	0	0	14	17	16	0	0
25	0	0	0	0	0	0	0	16	15	12	0	0
26	0	0	0	0	0	0	0	14	17	8	0	0
27	0	0	0	0	0	0	0	15	15	8	0	0
28	0	0	0	0	0	0	0	16	15	7	0	0
29	0	0	0	0	0	0	0	16	13	8	0	0
30	0	-	0	0	0	0	0	17	15	8	0	0
31	0	-	0	-	0	-	0	14	-	8	-	0
TOTAL	0	0	0	0	0	0	0	179	463	429	0	0
MAXIMUM DAY	0	0	0	0	0	0	0	17	19	18	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	12	7	0	0
MEAN	0	0	0	0	0	0	0	6	15	14	0	0
TOTAL AC.FT.	0	0	0	0	0	0	0	355	919	852	0	0
WHOLE YEAR-- TOTAL,	1,071	MAX.,	19	MIN.,	0	MEAN,	3	TOTAL AC.FT.,	2,126			

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
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	

1995													
NKWSD to CITY	7,966	0	0	0	0	0	0	0	0	0	0	0	7,966
CITY to NKWSD	934	0	0	0	0	0	0	0	0	0	0	0	934
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	56,292	56,292	56,292	56,292	56,292	56,292	56,292	56,292	56,292	56,292	56,292	56,292	

1996													
NKWSD to CITY	5,669	0	0	0	0	0	0	0	0	0	0	0	5,669
CITY to NKWSD	0	0	0	0	0	0	0	0	0	0	0	0	0
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKWSD	61,961	61,961	61,961	61,961	61,961	61,961	61,961	61,961	61,961	61,961	61,961	61,961	

**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: 1996

Quantities in acre-feet

	1992	1993	1994	1995	1996	Five Year		Allocation
						Total	Percentage	
Carrier Canal at Head	185,729	248,721	213,564	258,457	248,201	1,154,672	99.67%	
Oilfield Discharge	165	365	1,172	635	405	2,742	0.24%	
Storm Drain Inflow	278	187	114	188	316	1,083	0.09%	
<b>TOTAL CARRIER CANAL FLOW</b>	<b>186,172</b>	<b>249,273</b>	<b>214,850</b>	<b>259,280</b>	<b>248,922</b>	<b>1,158,497</b>	<b>100.00%</b>	
Kern Island Canal (1)	116,948	136,717	134,703	129,588	151,613	669,569	57.80%	
Eastside Canal	15,327	19,528	18,835	18,303	19,358	91,351	7.89%	
Kern Delta WD via Levee #1	17,627	43,880	23,249	52,123	46,099	182,978	15.79%	
<b>KERN DELTA WATER DISTRICT TOTAL</b>	<b>149,902</b>	<b>200,125</b>	<b>176,787</b>	<b>200,014</b>	<b>217,070</b>	<b>943,898</b>	<b>81.48%</b>	
Carrier Waste Gate	0	9,159	1,759	4,422	2,212	17,552	1.51%	
Kern River Conduit via Levee #1	36,270	39,989	36,304	54,844	29,640	197,047	17.01%	
<b>CITY OF BAKERSFIELD TOTAL</b>	<b>36,270</b>	<b>49,148</b>	<b>38,063</b>	<b>59,266</b>	<b>31,852</b>	<b>214,599</b>	<b>18.52%</b>	

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

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

Year: 1996

Quantities in acre-feet

	1992					1993					1994					1995					1996					Five Year Total		Allocation Percentage
	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996	1992	1993	1994	1995	1996	912,708	100.00%	
<b>TOTAL CARRIER CANAL FLOW (1)</b>	43,743	177,635	57,061	329,696	304,573																							
Stine Canal Total Diverted (2)	0	30,925	7,541	35,917	40,193																					114,576	12.55%	
Buena Vista Canal Total Diverted (2)	17,861	42,919	14,551	38,005	31,521																					144,857	15.87%	
River Canal Total Diverted (3)	1,827	2,128	2,660	3,632	2,723																					12,970	1.42%	
<b>KERN DELTA WATER DISTRICT TOTAL DIVERTED FROM CARRIER CANAL</b>	19,688	75,972	24,752	77,554	74,437																					272,403	29.84%	
<b>KERN RIVER CONDUIT (City of Bakersfield)</b>	24,055	101,663	32,309	252,142	230,136																					640,305	70.16%	

- Notes: (1) Sum of Carrier Canal flow at Oak Street and River Canal inflow.  
(2) Sum of headgate diversion and pro-rated share of Carrier Canal loss.  
(3) Includes diversions to Pioneer Project via River Canal.

**CALLOWAY AND BEARDSLEY CANALS**

Allocation of Joint Accounts

1996

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				
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
1995	227,937	3,729	231,666	26,284	257,950	68,967	326,917
1996	211,442	7,453	218,895	23,529	242,424	73,527	315,951
Total	748,153	21,559	769,712	107,893	877,605	310,667	1,188,272
Percent	85.25%	2.46%	87.71%	12.29%	100.00%		

**CALLOWAY CANAL USED**

Preceding Ten Years

Year	Diverted via Calloway Canal				
	NKWSD	CITY	Subtotal	ID4	TOTAL
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
1995	112,624	16,380	129,004	45,914	174,918
1996	40,699	7,266	47,965	39,140	87,105
Total	182,564	38,002	220,566	246,283	466,849
Percent	82.77%	17.23%	100.00%		

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

Year: 1996

Quantities in acre-feet  
except where noted...

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Operating Loss	68	50	161	169	207	213	236	218	183	173	159	145	1,982
Treatment Plant	708	325	1,550	2,187	3,020	3,419	3,778	3,685	3,401	2,887	1,937	1,630	28,527
Reverse Flow via Pump Plant #7	0	299	191	0	323	550	459	476	176	652	0	0	3,126
CVC Extension Losses	0	8	8	0	42	73	135	135	98	73	0	0	572
T.O. #4 to River	0	0	0	0	0	0	0	0	0	0	0	0	0
Loss to Standard Weir	204	133	196	188	226	0	0	210	202	605	30	2	1,996
Western Reach Flow	748	444	696	792	819	0	0	669	653	1,065	0	0	5,886
Trans. Charge Waived	952	577	892	980	1,045	0	0	879	855	1,670	0	0	7,850
<b>SUB-TOTAL DIVERSION</b>	<b>776</b>	<b>682</b>	<b>1,910</b>	<b>2,356</b>	<b>3,592</b>	<b>4,255</b>	<b>4,608</b>	<b>4,514</b>	<b>3,858</b>	<b>3,785</b>	<b>2,126</b>	<b>1,777</b>	<b>34,239</b>
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	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261	1,261
Current Rate	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95	\$0.95
<b>SUB-TOTAL CHARGE</b>	<b>\$737.20</b>	<b>\$647.90</b>	<b>\$1,814.50</b>	<b>\$2,238.20</b>	<b>\$3,412.40</b>	<b>\$4,042.25</b>	<b>\$4,377.60</b>	<b>\$4,288.30</b>	<b>\$3,665.10</b>	<b>\$3,595.75</b>	<b>\$2,019.70</b>	<b>\$1,688.15</b>	<b>\$32,527.05</b>
<b>W</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>E R</b>	<b>748</b>	<b>444</b>	<b>696</b>	<b>792</b>	<b>819</b>	<b>0</b>	<b>0</b>	<b>669</b>	<b>653</b>	<b>1,065</b>	<b>0</b>	<b>0</b>	<b>5,886</b>
<b>S E</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>T A</b>	<b>748</b>	<b>444</b>	<b>696</b>	<b>792</b>	<b>819</b>	<b>0</b>	<b>0</b>	<b>669</b>	<b>653</b>	<b>1,065</b>	<b>0</b>	<b>0</b>	<b>5,886</b>
<b>E C</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>R H</b>	<b>\$0.95</b>	<b>\$0.95</b>	<b>\$0.95</b>	<b>\$0.95</b>	<b>\$0.95</b>	<b>\$0.95</b>	<b>\$0.95</b>	<b>\$0.95</b>	<b>\$0.95</b>	<b>\$0.95</b>	<b>\$0.95</b>	<b>\$0.95</b>	<b>\$0.95</b>
<b>N</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>TOTAL CHARGE</b>	<b>\$737.20</b>	<b>\$647.90</b>	<b>\$1,814.50</b>	<b>\$2,238.20</b>	<b>\$3,412.40</b>	<b>\$4,042.25</b>	<b>\$4,377.60</b>	<b>\$4,288.30</b>	<b>\$3,665.10</b>	<b>\$3,595.75</b>	<b>\$2,019.70</b>	<b>\$1,688.15</b>	<b>\$32,527.05</b>

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

Year: 1996

Quantities in acre-feet

Canal	1992	1993	1994	1995	1996	Five Year	
						Total	Percentage
Kern Island	116,586	135,092	132,003	130,779	146,701	661,161	22.16%
Eastside	15,327	19,528	18,740	18,303	19,358	91,256	3.06%
Buena Vista	10,882	25,922	12,148	27,623	27,238	103,813	3.48%
Stine	3,740	26,952	6,904	25,655	26,384	89,635	3.01%
Farmers	3,407	17,789	5,596	18,742	20,128	65,662	2.20%
<b>Subtotal Kern Delta WD</b>	<b>149,942</b>	<b>225,283</b>	<b>175,391</b>	<b>221,102</b>	<b>239,809</b>	<b>1,011,527</b>	<b>33.91%</b>
City of Bakersfield	28,150	122,553	50,623	275,218	256,182	732,726	24.56%
K.R.C. & I. Co. (Beardsley)	8,963	10,593	12,258	11,462	11,774	55,050	1.85%
Central - I.D. #4 (Calloway)	10,095	38,418	22,829	62,294	39,140	172,776	5.79%
James	0	1,886	0	29,223	14,928	46,037	1.54%
Pioneer	0	0	0	38,248	7,161	45,409	1.52%
<b>Subtotal City of Bakersfield</b>	<b>47,208</b>	<b>173,450</b>	<b>85,710</b>	<b>416,445</b>	<b>329,185</b>	<b>1,051,998</b>	<b>35.26%</b>
<b>North Kern WSD</b>	<b>42,080</b>	<b>174,338</b>	<b>107,345</b>	<b>339,558</b>	<b>256,464</b>	<b>919,785</b>	<b>30.83%</b>
<b>Total First Point Group</b>	<b>239,230</b>	<b>573,071</b>	<b>368,446</b>	<b>977,105</b>	<b>825,458</b>	<b>2,983,310</b>	<b>100.00%</b>
South Fork	727	961	972	880	721		
First Point passing 2nd Point	0	0	0	0	0		
River Loss and Spreading	18,376	42,648	28,309	80,345	77,145		
Flow Above First Point	2,094	2,582	2,634	3,584	2,465		
<b>Total 1st Point Group Diverted</b>	<b>260,417</b>	<b>619,262</b>	<b>400,361</b>	<b>1,061,914</b>	<b>905,789</b>		

- 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: 1996**

Year	Acre-Foot Days of Irrigation Storage			Isabella O&M Charges (2)
	NKWSD (1)	BVWSD	Total A.F.D.	
1992	21,518,752	4,641,621	26,160,373	(3) \$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
1995	71,087,019	34,039,777	105,126,796	(4) \$144,137
1996	79,233,687	40,842,839	120,076,526	\$144,137
5-Year Totals	261,908,050	127,534,134	389,442,184	\$717,451

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

- Total 5-Year Operation & Interest Charge..... \$1,860,701

Total 5-Year Cost	\$1,860,701	\$0.0047779
----- =	----- =	-----
Total 5-Year Use	389,442,184	Rental Charge Per Acre-Foot Day

TOTAL 1996 HACIENDA WD Acre-Foot Storage Days = 13,876,634

TOTAL 1996 HACIENDA WD Share of 1996 Storage Costs = \$66,301.17

- (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 1991-1992  
pursuant to Corps of Engineers revised billing dated April 20, 1992...
- (4) Reflects revised Isabella Reservoir O&M Charges for years 1995-1998  
pursuant to Corps of Engineers billing statement dated February 13, 1995...

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

Year: 1996

Quantities in acre-feet  
except where noted...

End of Previous Year	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
	246,474	7,489	550			
January	256,396	7,659	530	1,341	16	93
February	319,409	8,636	445	914	16	56
March	377,534	9,408	385	2,646	44	115
April	461,236	10,372	330	5,072	60	182
May	530,547	11,086	300	7,928	77	230
June	522,044	11,001	305	9,967	105	264
July	433,540	10,068	345	10,681	127	329
August	343,084	8,963	415	9,076	121	365
September	288,060	8,171	485	6,587	91	349
October	256,013	7,653	530	4,019	65	256
November	249,556	7,542	545	2,053	42	145
December	252,811	7,598	540	1,139	26	77
<b>TOTALS</b>				<b>61,423</b>	<b>790</b>	<b>2,461</b>

**ISABELLA RESERVOIR RECREATION POOL:**

15,125 S.F.D.

30,000 ACRE- FEET

NOTE: Storage & Area quantities reflect last day of month

# REPORT OF THE KERN RIVER WATERMASTER

## SUMMARY OF KERN RIVER RUNOFF

Quantities in acre-feet

Year: 1996

	CALENDAR YEAR						WATER YEAR								
	FIRST POINT		NATURAL		ENTITLEMENT		FIRST POINT		NATURAL		ENTITLEMENT				
	REGULATED	NATURAL	NKWS	BVWS	HWD	REGULATED	NATURAL	NKWS	BVWS	HWD	REGULATED	NATURAL	NKWS	BVWS	HWD
JANUARY	28,994	40,304	40,034	270	0	71,157	24,093	24,093	0	0	71,157	24,093	24,093	0	0
To Date	28,994	40,304	40,034	270	0	71,157	24,093	24,093	0	0	71,157	24,093	24,093	0	0
FEBRUARY	34,576	98,549	88,618	9,931	0	57,106	22,268	22,268	0	0	128,263	46,361	46,361	0	0
MARCH	63,570	138,853	128,652	10,201	0	27,993	28,820	28,820	0	0	156,256	75,181	75,181	0	0
APRIL	47,226	108,042	79,389	28,653	0	28,994	40,304	40,034	270	0	185,250	115,485	115,215	270	0
MAY	110,796	246,895	208,041	38,854	0	34,576	98,549	88,618	9,931	0	219,826	214,034	203,833	10,201	0
JUNE	59,046	147,959	104,190	43,769	0	47,226	108,042	79,389	28,653	0	267,052	322,076	283,222	38,854	0
JULY	169,842	394,854	312,231	82,623	0	59,046	147,959	104,190	43,769	0	326,098	470,035	387,412	82,623	0
AUGUST	148,419	225,987	149,675	76,312	0	148,419	225,987	149,675	76,312	0	474,517	696,022	537,087	158,935	0
SEPTEMBER	318,261	620,841	461,906	158,935	0	474,517	696,022	537,087	158,935	0	627,567	850,905	633,132	206,471	11,302
OCTOBER	153,050	154,883	96,045	47,536	11,302	153,050	154,883	96,045	47,536	11,302	147,913	70,502	48,961	16,564	4,977
Year	471,311	775,724	557,951	206,471	11,302	775,480	921,407	682,093	223,035	16,279	775,480	921,407	682,093	223,035	16,279
JANUARY	147,913	70,502	48,961	16,564	4,977	113,232	32,255	27,866	4,389	0	113,232	32,255	27,866	4,389	0
FEBRUARY	619,224	846,226	606,912	223,035	16,279	898,712	953,662	709,959	227,424	16,279	898,712	953,662	709,959	227,424	16,279
MARCH	113,232	32,255	27,866	4,389	0	64,770	16,651	16,651	5,578	0	64,770	16,651	16,651	0	0
APRIL	732,456	878,481	634,778	227,424	16,279	953,482	970,313	726,610	227,424	16,279	953,482	970,313	726,610	227,424	16,279
MAY	64,770	16,651	16,651	0	0	113,232	32,255	27,866	4,389	0	113,232	32,255	27,866	4,389	0
JUNE	797,226	895,132	651,429	227,424	16,279	898,712	953,662	709,959	227,424	16,279	898,712	953,662	709,959	227,424	16,279
JULY	43,593	15,788	15,788	0	0	64,770	16,651	16,651	5,578	0	64,770	16,651	16,651	0	0
AUGUST	840,819	910,920	687,217	227,424	16,279	898,712	953,662	709,959	227,424	16,279	898,712	953,662	709,959	227,424	16,279
SEPTEMBER	45,201	40,903	39,364	1,539	0	64,770	16,651	16,651	5,578	0	64,770	16,651	16,651	0	0
OCTOBER	886,020	951,823	706,581	228,963	16,279	953,482	970,313	726,610	227,424	16,279	953,482	970,313	726,610	227,424	16,279
Year	82,016	86,438	80,860	5,578	0	953,482	970,313	726,610	227,424	16,279	953,482	970,313	726,610	227,424	16,279
	968,036	1,038,261	787,441	234,541	16,279										

1894 to 1996 Mean April-July Runoff = 468,650 acre-feet (100% of Average)  
 1996 April-July Runoff = 599,331 acre-feet (128% of Average)

1894 to 1996 Mean March-October Runoff = 601,315 acre-feet (100% of Average)  
 1996 March-October Runoff = 772,067 acre-feet (128% of Average)





REPORT OF THE KERN RIVER WATERMASTER

DAY	ISABELLA		RESERVOIR		LOSS	FIRST POINT		FLOW ABOVE 1ST PT.	CHANGE IN STORAGE + LOSS		COMPUTED NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION		SECOND POINT GROUP FLOW		FRIANT - KERN INFLOW	DAY																	
	ELEVATION (FEET)	MIDNIGHT	ACRE - FEET	S.F.D.		REGULATED FLOW	FLOW ABOVE 1ST PT.		+1ST POINT	+1ST POINT		Recreation Pool + Dead Storage = 15,218 S.F.D. (80.184 ACFT)	TOTAL	IRRIGATION	POOL LOSS	RIVER	KERN			FRIANT - KERN	INFLOW															
Previous Day	2571.77	246,474	124,264	15	449	0	464	464	464	464	109,046	1	0	0	0	0	65	65																		
1	2571.77	246,474	124,264	20	445	1	466	465	465	109,045	1	0	0	0	0	0	65	1																		
2	2571.77	246,474	124,264	15	448	0	463	460	460	109,042	1	0	0	0	0	0	65	2																		
3	2571.76	246,399	124,226	35	453	1	451	461	461	109,014	3	0	0	0	0	0	65	3																		
4	2571.75	246,326	124,189	50	457	0	470	467	467	108,974	4	0	0	0	0	0	65	4																		
5	2571.75	246,326	124,189	28	452	0	480	473	473	108,967	2	0	0	0	0	0	32	5																		
6	2571.75	246,326	124,189	20	448	1	469	473	473	108,971	1	0	0	0	0	0	0	6																		
7	2571.75	246,326	124,189	18	453	0	471	455	455	108,955	1	0	0	0	0	0	0	7																		
8	2571.74	246,251	124,152	15	445	1	424	446	446	108,940	1	0	0	0	0	0	0	8																		
9	2571.73	246,176	124,114	28	452	1	443	434	434	108,893	2	0	0	0	0	0	0	9																		
10	2571.72	246,101	124,076	25	446	1	434	438	438	108,859	2	0	0	0	0	0	0	10																		
11	2571.71	246,026	124,038	30	445	1	438	437	437	108,820	2	0	0	0	0	0	0	11																		
12	2571.70	245,951	124,000	28	448	1	439	438	438	108,781	2	0	0	0	0	0	0	12																		
13	2571.69	245,876	123,963	28	444	1	436	433	433	108,741	2	0	0	0	0	0	0	13																		
14	2571.68	245,801	123,925	25	435	1	423	432	432	108,712	2	0	0	0	0	0	0	14																		
15	2571.66	245,652	123,850	76	435	1	437	432	432	108,632	6	0	0	0	0	0	0	15																		
16	2571.81	246,774	124,415	3	490	1	1,059	1,059	1,059	109,197	0	0	0	0	0	0	0	16																		
17	2572.17	249,481	125,780	18	546	0	1,929	1,929	1,929	110,562	1	0	0	0	0	0	0	17																		
18	2572.24	250,009	126,046	3	487	1	757	757	757	110,828	0	0	0	0	0	0	0	18																		
19	2572.44	251,522	126,809	31	505	1	1,300	1,300	1,300	111,591	2	0	0	0	0	0	0	19																		
20	2572.52	252,127	127,114	3	495	1	804	763	763	111,855	0	0	0	0	0	0	0	20																		
21	2572.57	252,507	127,306	3	484	1	690	713	713	112,080	0	0	0	0	0	0	0	21																		
22	2572.61	252,811	127,459	21	481	1	656	601	601	112,178	1	0	0	0	0	0	0	22																		
23	2572.60	252,735	127,421	26	478	0	466	571	571	112,245	2	0	0	0	0	0	0	23																		
24	2572.63	252,963	127,536	10	466	1	592	550	550	112,318	1	0	0	0	0	0	0	24																		
25	2572.71	253,572	127,843	23	493	1	824	824	824	112,625	2	0	0	0	0	0	0	25																		
26	2572.77	254,027	128,072	13	500	1	743	743	743	112,854	1	0	0	0	0	0	0	26																		
27	2572.82	254,409	128,265	18	496	1	708	708	708	113,047	1	0	0	0	0	0	0	27																		
28	2572.91	255,096	128,611	16	519	1	882	882	882	113,393	1	0	0	0	0	0	0	28																		
29	2572.97	255,555	128,842	23	503	0	757	757	757	113,624	2	0	0	0	0	0	0	29																		
30	2573.01	255,860	128,996	21	481	1	657	657	657	113,778	1	0	0	0	0	0	0	30																		
31	2573.08	256,396	129,266	3	488	1	762	762	762	114,048	0	0	0	0	0	0	0	12	31																	
<b>TOTAL SECOND FOOT DAYS</b>																			676	14,618	24	20,320	20,320	129,266	47	0	0	0	304	47	0	0	0	0	0	304
<b>TOTAL ACRE - FEET</b>																			1,341	28,994	47	40,304	40,304	256,396	93	0	0	0	603	93	0	0	0	0	0	603

By: *[Signature]* Date: February 20, 1996



WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
January	1-31	1	FRIANT-KERN INFLOW	Reflects Friant-Kern Inflow to Kern River channel on behalf of Kern County Water Agency.
January	17	2	BWSD FLOW - AT 1ST POINT	Reflects unstorable Second Point water as set forth in Paragraph I. (7.)(e) of the January 1, 1964 Amendment of the Miller-Haggin Agreement.

SNOW SURVEY DATA FOR KERN RIVER BASIN

Date: February 1, 1986

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	1-27	57.0	27%	15.3	55%	DWR
Bighorn Plateau		250	11,350	21.9	1-26	39.3	27%	10.7	49%	DWR
Cottonwood Pass		251	11,050	13.4	1-23	20.6	25%	5.1	38%	DWR
Siberian Pass		252	10,900	18.3	1-24	26.9	25%	6.8	37%	DWR
Crabtree Meadow		253	10,700	18.8	1-28	46.8	24%	11.1	59%	DWR
Guyot Flat		254	10,700	19.8	1-28	50.0	22%	11.0	56%	DWR
Tyndall Creek		255	10,650	20.0	1-29	41.4	25%	10.4	52%	DWR
Sandy Meadow		275	10,650	18.3	1-26	37.1	23%	8.6	47%	DWR
Chagocopa Plateau		514	10,300	21.8	1-26	42.7	26%	11.0	60%	DWR
Big Whitney Meadow		257	9,750	16.6	1-24	23.6	25%	5.8	35%	DWR
Rock Creek		256	9,600	17.2	1-29	44.6	24%	10.5	61%	DWR
Round Meadow		569	9,130	24.9	1-28	51.5	23%	12.0	48%	USFS
		258	9,000	24.9	1-28	41.0	29%	11.9	48%	USFS
		830	8,960	15.6						
		518	8,950	30.3						
Ramshaw Meadow		259	8,700	11.3						
Little Whitney Mea.		260	8,500	13.5						
Casa Vieja Meadow		262	8,400	19.6						
		262	8,400	20.9	1-29	39.9	23%	9.3	47%	USFS
Quinn Ranger Sta.		264	8,350	19.4						
Bonita Meadows		261	8,300	13.8	1-28	30.5	28%	8.6	62%	USFS
Beach Meadows		265	7,650	8.9	1-29	21.5	23%	4.9	55%	USFS
		860	7,650	11.0	1-29	23.1	19%	4.3	39%	USFS

CALIFORNIA COOPERATIVE SNOW SURVEYS FORECAST as of FEBRUARY 1, 1986 for KERN RIVER INFLOW TO ISABELLA RESERVOIR...  
 April-July = 320,000 acre-feet (69% of Average) \*\*\* Water Year = 540,000 acre-feet (75% of Average)  
 80 Percent Probability Range (Actual runoff should fall within the stated limits eight times out of ten) ...  
 April-July = 140,000 AcFt (30% of Average) to 640,000 AcFt (139% of Average) \*\*\* Water Year = 300,000 AcFt (42% of Average) to 970,000 AcFt (135% of Average)

**REPORT OF THE KERN RIVER WATERMASTER**

**FEBRUARY 1996**

*Quantities in S.F.D. except where noted*

**PAGE 1 of 5**

DAY	ELEVATION (FEET)		RESERVOIR STORAGE		LOSS	FIRST POINT FLOW		CHANGE IN STORAGE + LOSS		COMPUTED FLOW		MEAN STORAGE		KERN COUNTY RECREATION		SECOND POINT GROUP FLOW		FRIANT - KERN INFLOW	DAY
	ISABELLA	MIDNIGHT	ACRE- FEET	S.F.D.		REGULATED	FLOW ABOVE 1ST PT.	FLOW ABOVE 1ST POINT	+1ST POINT FLOW	NATURAL FLOW	Recreation Pool + Dead Storage = 15,218 S.F.D. (80,184 ACFT)	TOTAL	POOL LOSS	RIVER	KERN	FRIANT - KERN	AT 2ND POINT		
Previous Day	2573.08	256,396	129,266	3	488	1	762	762	762	114,048	129,266	0	0	0	0	0	0	0	12
1	2573.15	256,933	129,537	5	499	0	775	775	775	114,319	129,537	0	0	0	0	0	0	0	20
2	2573.20	257,317	129,731	16	486	1	697	697	697	114,513	129,731	1	0	0	0	0	0	0	20
3	2573.25	257,701	129,924	3	481	1	678	678	678	114,706	129,924	0	0	0	0	0	0	0	20
4	2573.31	258,161	130,156	3	488	1	724	724	724	114,938	130,156	0	0	0	0	0	0	0	20
5	2573.68	261,015	131,595	11	531	1	1,982	1,982	1,982	116,377	131,595	1	0	0	0	0	0	0	20
6	2573.97	263,265	132,730	16	537	0	1,688	1,688	1,688	117,512	132,730	1	0	0	0	0	0	0	145
7	2574.17	264,822	133,514	9	511	1	1,305	1,305	1,305	118,296	133,514	1	0	0	0	0	0	0	220
8	2574.33	266,071	134,144	14	487	1	1,121	1,121	1,121	118,915	134,144	1	0	0	0	0	0	0	220
9	2574.48	267,246	134,737	21	484	1	1,099	1,099	1,099	119,493	134,737	1	0	0	0	0	0	0	171
10	2574.61	268,266	135,251	25	481	1	1,021	1,021	1,021	120,034	135,251	2	0	0	0	0	0	0	145
11	2574.74	269,289	135,767	32	475	1	1,024	1,024	1,025	120,551	135,769	2	0	0	0	0	0	0	137
12	2574.87	270,313	136,283	41	473	1	1,031	1,031	985	121,051	136,239	3	0	0	0	0	0	0	125
13	2574.97	271,103	136,681	32	470	0	900	900	942	121,461	136,679	2	0	0	0	0	0	0	125
14	2575.07	271,893	137,079	28	466	1	893	893	904	121,870	137,088	2	0	0	0	0	0	0	125
15	2575.18	272,765	137,519	16	462	1	919	919	910	122,301	137,519	1	0	0	0	0	0	0	125
16	2575.29	273,637	137,959	16	461	1	918	918	899	122,722	137,940	1	0	0	0	0	0	0	111
17	2575.38	274,353	138,320	35	464	1	861	861	900	123,122	138,340	2	0	0	0	0	0	0	168
18	2575.48	275,150	138,722	49	468	1	920	920	900	123,504	138,722	3	0	0	0	0	0	0	200
19	2575.79	277,625	139,969	3	602	1	1,853	1,853	1,853	124,751	139,969	0	63	0	0	0	0	0	200
20	2577.59	292,244	147,340	7	1,646	0	9,024	9,024	9,024	132,122	147,340	0	298	0	0	0	0	0	200
21	2578.51	299,873	151,186	3	1,173	0	5,022	5,022	5,022	135,968	151,186	0	90	0	0	0	0	0	73
22	2579.10	304,823	153,682	17	938	0	3,451	3,451	3,451	138,464	153,682	1	49	0	0	0	0	0	0
23	2579.46	307,864	155,215	32	731	1	2,297	2,297	2,297	139,997	155,215	2	0	0	0	0	0	0	166
24	2579.77	310,494	156,541	3	670	1	2,000	2,000	2,000	141,323	156,541	0	0	0	0	0	0	0	350
25	2580.04	312,796	157,701	3	631	1	1,795	1,795	1,795	142,483	157,701	0	0	0	0	0	0	0	400
26	2580.28	314,849	158,736	5	584	1	1,625	1,625	1,625	143,518	158,736	0	0	0	0	0	0	0	400
27	2580.49	316,654	159,646	3	577	1	1,491	1,491	1,491	144,428	159,646	0	0	0	0	0	0	0	400
28	2580.66	318,116	160,384	10	568	1	1,317	1,317	1,317	145,166	160,384	1	0	0	0	0	0	0	400
29	2580.81	319,409	161,035	3	588	1	1,243	1,243	1,243	145,817	161,035	0	0	0	0	0	0	0	400
<b>TOTAL SECOND FOOT DAYS</b>					17,432	23	49,685	49,685	49,685	161,035	161,035	28	500	129	5,106				
<b>TOTAL ACRE-FEET</b>					34,576	46	98,549	98,549	98,549	319,409	319,409	56	982	256	10,128				

By: 

Date: March 19, 1996



WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
February	1-29	1	FRIANT-KERN INFLOW	Includes Friant-Kern inflow to Kern River channel on behalf of Kern County Water Agency (423 acre-feet), Arvin-Edison WSD/Rosedale Rio Bravo WSD (7,651 acre-feet) and Shafter-Wasco Irrigation District (2,054 acre-feet).
February	29	2	NKWS D RESERVOIR STORAGE BWWS D RESERVOIR STORAGE	Reflects transfer of 2,804 acre-feet (1,414 s.f.d.) from NORTH KERN WATER STORAGE DISTRICT to BUENA VISTA WATER STORAGE DISTRICT as per terms of Kern Delta Water District letter dated February 21, 1996.

SNOW SURVEY DATA FOR KERN RIVER BASIN

Date: March 1, 1996

SNOW COURSE	SNOW SENSOR	SNOW 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	1-27	57.0	27%	15.3	55%	DWR
Bighorn Plateau		250	11,350	21.9	1-26	39.3	27%	10.7	49%	DWR
Cottonwood Pass		251	11,050	13.4	1-23	20.6	25%	5.1	38%	DWR
		252	10,900	18.3	3-02	48.5	34%	16.3	122%	DWR
Siberian Pass		252	10,900	18.3	1-24	26.9	25%	6.8	37%	DWR
		253	10,700	18.8	2-28	68.1	29%	19.6	107%	DWR
Crabtree Meadow		253	10,700	19.8	1-28	46.8	24%	11.1	59%	DWR
		254	10,650	20.0	3-01	74.2	30%	22.4	119%	DWR
Guyot Flat		254	10,650	20.0	1-28	50.0	22%	11.0	56%	DWR
Tyndall Creek		275	10,650	18.3	3-01	77.0	30%	23.0	116%	DWR
Sandy Meadow		514	10,300	21.8	1-29	41.4	25%	10.4	52%	DWR
Big Whitney Meadow		257	9,750	16.6	2-29	73.3	28%	20.8	104%	DWR
Rock Creek		256	9,600	17.2	1-26	37.1	23%	8.6	47%	DWR
		569	9,130	24.9	1-26	42.7	26%	11.0	60%	DWR
Round Meadow		258	9,000	24.9	1-24	23.6	25%	5.8	35%	DWR
		830	8,960	15.6	2-27	59.4	30%	17.6	106%	DWR
Ramshaw Meadow		518	8,950	30.3	1-29	44.6	24%	10.5	61%	DWR
Little Whitney Mea.		259	8,700	11.3	3-01	74.0	32%	23.7	138%	DWR
Casa Vieja Meadow		260	8,500	13.5	1-28	51.5	23%	12.0	48%	USFS
		262	8,400	19.6	2-27	96.2	25%	24.0	96%	USFS
Quinn Ranger Sta.		264	8,350	19.4	1-28	41.0	29%	11.9	48%	USFS
Bonita Meadows		261	8,300	13.8	2-27	86.2	28%	23.8	96%	USFS
Beach Meadows		265	7,650	8.9	2-26	51.2	28%	14.5	93%	DWR
		860	7,650	11.0	2-29	76.8	30%	22.7	75%	DWR
					2-25	64.6	25%	16.2	110%	DWR
					1-29	39.9	23%	9.3	120%	USFS
					2-28	69.8	30%	20.7	47%	USFS
					1-28	30.5	28%	8.6	107%	USFS
					1-29	21.5	23%	4.9	62%	USFS
					1-29	23.1	19%	4.3	55%	USFS

CALIFORNIA COOPERATIVE SNOW SURVEYS FORECAST as of MARCH 1, 1996 for KERN RIVER INFLOW TO ISABELLA RESERVOIR...  
 April-July = 460,000 acre-feet (100% of Average) \*\*\* Water Year = 770,000 acre-feet (106% of Average)  
 80 Percent Probability Range (Actual runoff should fall within the stated limits eight times out of ten)...  
 April-July = 340,000 AcFt (74% of Average) to 680,000 AcFt (148% of Average)\*\*\* Water Year = 620,000 AcFt (87% of Average) to 1,050,000 AcFt (147% of Average)

DAY	ELEVATION (FEET)	ISABELLA		RESERVOIR		LOSS	FIRST POINT FLOW	REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE		COMPUTED NATURAL FLOW	MEAN TOTAL	STORAGE		KERN RECREATION	SECOND POINT GROUP FLOW		FRONT-KERN INFLOW	DAY
		ACRE-FEET	S.F.D.	MIDNIGHT	STORAGE					+1ST POINT ABOVE	+1ST POINT NATURAL			IRRIGATION	DEAD STORAGE		RIVER	KERN		
Previous Day	2580.81	319,409	161,035	3	588	1	1,243	1,243	161,035	145,817	0	38	400							
1	2580.94	320,534	161,603	24	708	1	1,301	1,301	161,585	146,367	1	34	243							
2	2581.05	321,485	162,082	27	741	0	1,247	1,264	162,081	146,863	1	0	228							
3	2581.16	322,440	162,564	29	734	0	1,245	1,230	162,548	147,330	1	0	275							
4	2581.26	323,308	163,001	2	759	1	1,199	1,215	163,001	147,783	0	4	275							
5	2581.68	326,970	164,847	39	823	0	2,708	2,708	164,847	149,629	2	51	275							
6	2581.92	329,072	165,907	25	784	1	1,870	1,792	165,929	150,611	1	47	275							
7	2582.11	330,740	166,748	30	764	0	1,635	1,695	166,730	151,512	1	31	275							
8	2582.29	332,325	167,547	35	746	1	1,581	1,595	167,543	152,325	2	17	275							
9	2582.47	333,915	168,349	35	733	0	1,570	1,580	168,355	153,137	2	5	275							
10	2582.65	335,507	169,152	60	725	1	1,569	1,574	169,143	153,925	3	22	275							
11	2582.83	337,104	169,957	38	719	0	1,562	1,571	169,957	154,739	2	1	275							
12	2583.09	339,417	171,123	3	789	1	1,959	1,959	171,123	155,905	0	0	275							
13	2583.35	341,739	172,294	38	843	0	2,052	2,052	172,294	157,076	2	10	275							
14	2583.55	343,530	173,196	10	775	1	1,688	1,635	173,143	157,925	0	13	275							
15	2583.71	344,968	173,921	53	752	0	1,530	1,591	173,929	158,711	2	0	267							
16	2583.88	346,497	174,692	36	748	1	1,556	1,576	174,720	159,502	2	0	217							
17	2584.07	348,211	175,556	36	742	0	1,642	1,635	175,577	160,359	2	0	185							
18	2584.27	350,019	176,468	56	737	1	1,706	1,745	176,528	161,310	3	0	185							
19	2584.49	352,016	177,475	51	829	1	1,888	1,892	177,539	162,321	2	0	185							
20	2584.75	354,381	178,667	51	837	1	2,081	2,022	178,672	163,454	2	0	223							
21	2585.01	356,753	179,863	65	834	1	2,096	2,115	179,887	164,669	3	0	251							
22	2585.29	359,318	181,156	73	801	1	2,168	2,129	181,141	165,923	3	0	251							
23	2585.58	361,985	182,501	57	720	1	2,123	2,076	182,439	167,221	2	0	307							
24	2585.83	364,291	183,663	57	717	1	1,937	1,973	183,637	168,419	2	0	402							
25	2586.05	366,327	184,690	71	761	1	1,860	1,853	184,657	169,439	3	0	437							
26	2586.24	368,092	185,580	61	810	1	1,762	1,775	185,560	170,342	3	0	440							
27	2586.41	369,672	186,376	74	833	1	1,704	1,785	186,437	171,219	3	0	580							
28	2586.63	371,722	187,410	26	827	1	1,888	1,911	187,394	172,176	1	0	740							
29	2586.85	373,779	188,447	40	762	1	1,840	1,829	188,420	173,202	2	0	800							
30	2587.05	375,653	189,392	74	738	1	1,758	1,785	189,392	174,174	3	0	804							
31	2587.25	377,534	190,340	58	719	1	1,726	1,726	190,340	175,122	2	0	798							
TOTAL SECOND FOOT DAYS				1,334	23,810	22	54,471	54,471	190,340	175,122	58	201	1,462	10,843						
TOTAL ACRE-FEET				2,646	47,226	44	108,042	108,042	377,534	347,350	115	399	2,900	21,506						

By: 

Date: April 19, 1986



WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
March	1-31	1	FRIANT--KERN INFLOW	Includes Friant--Kern Inflow to Kern River channel on behalf of Kern County Water Agency (6,625 acre-feet), Arvin--Edison WSD (11,416 acre-feet) and Shafter--Wasco Irrigation District (3,465 acre-feet).
March	15-17	2	BWSD FLOW - FOR ID4	Delivered as per terms of Kern County Water Agency-ID4/BUENA VISTA WATER STORAGE DISTRICT letter agreement dated March 13, 1996.

BAKERSFIELD, CALIFORNIA TEMPERATURE NORMALS AND EXTREMES

Date	JANUARY												FEBRUARY												MARCH											
	MAXIMUM				MINIMUM				NORMALS				MAXIMUM				MINIMUM				NORMALS				MAXIMUM				MINIMUM				NORMALS			
	High	Year	Low	Year	High	Year	Low	Year	Max. Min.	Avg.	High	Year	Low	Year	High	Year	Low	Year	Max. Min.	Avg.	High	Year	Low	Year	High	Year	Low	Year	Max. Min.	Avg.	High	Year	Low	Year	Max. Min.	Avg.
1	71	1958	39	1961	52	1980	25	1961	56	38	47	73	1976	45	1965	55	1963	29	1946	61	41	51	84	1975	52	1953	55	1978	34	1962	66	44	55			
2	72	1940	37	1961	52	1940	25	1961	56	38	47	76	1944	44	1971	61	1958	28	1939	61	41	51	80	1994	51	1953	56	1978	31	1953	66	44	55			
3	71	1943	40	1963	50	1978	25	1949	56	36	47	71	1990	48	1980	59	1973	27	1972	61	41	51	84	1987	47	1976	53	1943	31	1966	67	44	55			
4	70	1979	39	1983	53	1986	24	1950	56	38	47	79	1978	46	1989	53	1950	29	1968	61	41	51	84	1968	51	1961	64	1987	32	1985	67	44	56			
5	70	1948	37	1947	53	1986	21	1949	56	38	47	78	1963	39	1989	61	1978	28	1989	62	42	52	81	1942	50	1981	58	1975	32	1971	67	44	56			
6	72	1948	37	1947	53	1978	24	1949	56	38	47	73	1963	45	1989	53	1973	27	1969	62	42	52	82	1972	34	1956	57	1972	34	1956	67	44	56			
7	76	1948	40	1983	50	1975	24	1950	56	38	47	81	1987	46	1967	51	1984	26	1989	62	42	52	83	1993	53	1964	63	1975	31	1956	67	45	56			
8	74	1953	36	1947	53	1941	24	1982	56	38	47	75	1991	46	1939	53	1963	29	1949	62	42	52	85	1955	54	1973	56	1978	34	1964	67	45	56			
9	73	1941	40	1938	56	1970	23	1938	56	38	47	76	1970	49	1939	58	1975	30	1939	63	42	52	88	1946	56	1962	60	1989	36	1958	67	45	56			
10	70	1959	38	1972	55	1959	24	1949	56	38	47	79	1961	47	1967	53	1970	30	1943	63	42	53	83	1946	55	1962	56	1976	35	1958	68	45	56			
11	80	1990	38	1972	56	1940	25	1949	56	38	47	76	1974	45	1989	55	1970	30	1948	63	42	53	80	1959	52	1965	57	1972	35	1954	68	45	56			
12	71	1990	40	1947	61	1980	21	1949	57	38	48	79	1988	50	1949	56	1957	28	1965	63	42	53	81	1993	54	1965	56	1979	34	1950	68	45	56			
13	73	1980	40	1983	62	1980	20	1963	57	35	48	84	1977	54	1938	55	1986	26	1949	64	43	53	82	1947	53	1969	58	1972	35	1954	68	45	57			
14	74	1938	42	1961	61	1980	25	1963	57	39	48	76	1991	52	1965	55	1986	28	1990	64	43	53	84	1994	53	1944	54	1971	35	1944	68	45	57			
15	79	1974	39	1987	55	1956	26	1972	57	39	48	84	1977	54	1938	52	1981	25	1990	64	43	53	89	1947	51	1991	55	1972	31	1938	68	45	57			
16	70	1948	42	1977	55	1970	25	1947	57	39	48	83	1977	47	1956	55	1968	28	1990	64	43	54	91	1972	56	1945	58	1967	37	1945	68	45	57			
17	70	1971	40	1982	56	1974	25	1949	57	39	48	78	1938	54	1975	56	1968	28	1956	64	43	54	87	1972	57	1963	63	1976	36	1938	69	46	57			
18	73	1981	41	1940	56	1974	25	1967	57	39	48	80	1977	51	1955	58	1968	31	1952	65	43	54	84	1956	52	1991	57	1940	37	1954	69	46	57			
19	74	1981	41	1940	54	1978	23	1943	58	39	48	85	1977	52	1969	53	1980	28	1953	65	43	54	87	1960	54	1948	57	1940	37	1991	69	46	57			
20	75	1994	40	1940	56	1969	26	1963	58	39	48	81	1977	53	1944	57	1968	31	1971	65	43	54	88	1960	57	1952	57	1890	33	1948	69	46	58			
21	79	1981	43	1940	60	1942	26	1945	58	39	49	82	1991	54	1975	54	1992	29	1953	65	43	54	88	1960	50	1987	59	1978	33	1952	69	46	58			
22	76	1981	38	1962	60	1981	29	1962	56	40	49	87	1989	54	1944	54	1995	32	1953	65	43	54	85	1977	54	1945	58	1978	35	1952	70	46	58			
23	77	1970	42	1962	54	1970	29	1962	56	40	49	81	1981	44	1953	56	1968	31	1942	65	44	55	81	1969	53	1964	55	1960	34	1994	70	46	58			
24	77	1946	37	1949	52	1995	23	1962	58	40	49	80	1974	49	1956	58	1968	32	1955	66	44	55	84	1953	53	1983	55	1983	36	1945	70	46	58			
25	72	1969	44	1949	57	1969	28	1949	59	40	49	82	1991	53	1942	53	1968	33	1942	66	44	55	85	1951	48	1977	58	1940	35	1942	70	46	58			
26	78	1942	46	1992	56	1966	27	1950	58	40	49	79	1988	43	1962	56	1968	30	1971	66	44	55	87	1968	58	1945	61	1971	35	1985	70	47	59			
27	70	1988	37	1963	50	1983	25	1963	59	40	50	83	1980	46	1962	56	1991	28	1962	66	44	55	83	1959	59	1945	57	1947	35	1942	71	47	59			
28	77	1988	46	1965	52	1981	27	1957	59	40	50	80	1875	49	1945	56	1968	29	1962	66	44	55	85	1969	59	1945	58	1957	39	1945	71	47	59			
29	74	1986	46	1965	54	1986	28	1975	60	40	50	80	1968	55	1964	52	1988	37	1948	66	44	55	92	1969	57	1953	56	1957	39	1972	71	47	59			
30	76	1984	44	1951	52	1986	28	1972	60	40	50	87	1989	39	1989	61	1978	25	1990	64	43	53	87	1968	58	1967	58	1968	33	1988	71	47	59			
31	82	1984	45	1969	57	1963	26	1989	60	41	51	87	1989	39	1989	61	1978	25	1990	64	43	53	92	1969	47	1976	64	1987	31	1966	69	46	57			
Month	82	1984	36	1947	62	1980	20	1963	57	39	48	87	1989	39	1989	61	1978	25	1990	64	43	53	92	1969	47	1976	64	1987	31	1966	69	46	57			

Quantities in S.F.D. except where noted

APRIL 1986

REPORT OF THE KERN RIVER WATERMASTER

DAY	ELEVATION (FEET)	ISABELLA		RESERVOIR STORAGE		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE		COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL	STORAGE		KERN COUNTY RECREATION POOL LOSS	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW	DAY
		MIDNIGHT	ACRE- FEET	S.F.D.	+1ST POINT				+FLOW ABOVE 1ST POINT	IRRIGATION			Dead Storage	RIVER		KERN			
Previous Day	2587.25	377,534	190,340	58	719	1,726	1,726	1,726	1,726	1,726	1,726	190,340	175,122	0	2	0	177	798	
1	2587.45	379,418	191,290	58	841	1,850	1,850	1,850	1,850	1,850	1,850	191,290	176,072	0	2	0	189	796	1
2	2587.77	382,440	192,814	67	858	2,450	2,450	2,450	2,450	2,450	2,450	192,814	177,596	0	3	0	189	799	2
3	2588.03	384,906	194,057	64	839	2,147	2,147	2,147	2,147	2,147	2,147	194,057	178,839	0	3	0	189	801	3
4	2588.28	387,284	195,256	62	762	2,024	2,024	2,024	2,024	2,024	2,024	195,253	180,035	0	2	0	182	793	4
5	2588.53	389,670	196,459	65	745	2,015	2,015	1,986	1,986	1,986	1,986	196,427	181,209	3	29	140	142	788	5
6	2588.77	391,967	197,617	76	683	1,918	1,918	1,936	1,936	1,936	1,936	197,603	182,385	3	15	95	95	784	6
7	2588.98	393,985	198,634	93	764	1,875	1,875	1,971	1,971	1,971	1,971	198,716	183,498	4	0	111	111	784	7
8	2589.20	396,101	199,701	109	943	2,120	2,120	2,111	2,111	2,111	2,111	199,774	184,556	4	0	111	111	792	8
9	2589.45	398,513	200,917	76	1,044	2,338	2,338	2,224	2,224	2,224	2,224	200,876	185,658	3	0	104	104	825	9
10	2589.66	400,545	201,942	82	1,107	2,215	2,215	2,266	2,266	2,266	2,266	201,952	186,734	3	56	118	118	852	10
11	2589.89	402,776	203,066	69	1,051	2,245	2,245	2,273	2,273	2,273	2,273	203,104	187,886	3	61	106	106	852	11
12	2590.14	405,208	204,292	77	1,055	2,359	2,359	2,312	2,312	2,312	2,312	204,283	189,065	3	65	93	93	844	12
13	2590.39	407,647	205,522	83	1,017	2,332	2,332	2,315	2,315	2,315	2,315	205,496	190,278	3	70	108	108	844	13
14	2590.63	409,996	206,706	83	986	2,254	2,254	2,281	2,281	2,281	2,281	206,707	191,489	3	60	114	114	839	14
15	2590.87	412,351	207,894	113	954	2,256	2,256	2,351	2,351	2,351	2,351	207,990	192,772	4	65	124	124	846	15
16	2591.19	415,502	209,482	20	935	2,544	2,544	2,522	2,522	2,522	2,522	209,556	194,338	1	64	116	116	827	16
17	2591.54	418,959	211,225	78	940	2,765	2,765	2,685	2,685	2,685	2,685	211,219	196,001	3	65	119	119	804	17
18	2591.89	422,433	212,977	67	925	2,747	2,747	2,617	2,617	2,617	2,617	212,841	197,623	2	89	124	124	765	18
19	2592.15	425,022	214,282	70	961	2,339	2,339	2,448	2,448	2,448	2,448	214,255	199,037	2	99	116	116	740	19
20	2592.39	427,419	215,491	71	976	2,259	2,259	2,256	2,256	2,256	2,256	215,461	200,243	2	96	127	127	679	20
21	2592.61	429,621	216,601	74	982	2,170	2,170	2,140	2,140	2,140	2,140	216,541	201,323	3	92	108	108	623	21
22	2592.78	431,326	217,460	79	1,048	1,980	1,980	2,084	2,084	2,084	2,084	217,494	202,276	3	113	130	130	610	22
23	2592.95	433,036	218,322	119	1,106	2,091	2,091	2,117	2,117	2,117	2,117	218,382	203,164	4	133	133	133	610	23
24	2593.15	435,051	219,338	114	1,138	2,271	2,271	2,339	2,339	2,339	2,339	219,466	204,248	4	136	132	132	603	24
25	2593.43	437,879	220,764	86	1,140	2,656	2,656	2,652	2,652	2,652	2,652	220,888	205,670	3	142	146	146	600	25
26	2593.77	441,324	222,501	129	1,158	3,028	3,028	3,094	3,094	3,094	3,094	222,691	207,473	4	134	135	135	627	26
27	2594.22	445,907	224,812	130	1,154	3,599	3,599	3,460	3,460	3,460	3,460	224,863	209,645	4	106	102	102	713	27
28	2594.70	450,818	227,288	110	1,163	3,752	3,752	3,767	3,767	3,767	3,767	227,354	212,136	4	100	109	109	723	28
29	2595.21	456,064	229,932	101	1,200	3,949	3,949	3,883	3,883	3,883	3,883	229,932	214,714	3	112	133	133	710	29
30	2595.71	461,236	232,540	132	1,294	4,038	4,038	4,038	4,038	4,038	4,038	232,540	217,322	4	149	153	153	710	30
		<b>TOTAL SECOND FOOT DAYS</b>		2,557	29,769	74,596	74,596	74,596	74,596	74,596	74,596	232,540	217,322	217,322	92	2,051	3,856	22,583	
		<b>TOTAL ACRE-FEET</b>		5,072	59,046	147,959	147,959	147,959	147,959	147,959	147,959	461,236	431,052	431,052	182	4,068	7,648	44,794	

By: 

Date: May 22, 1986



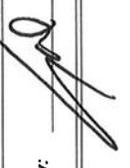
WATERMASTER NOTES \*\*\*KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
April	1-30	1	FRIANT-KERN INFLOW	Includes Friant-Kern Inflow to Kern River channel on behalf of Kern County Water Agency (41,818 acre-feet), Arvin-Edison WSD (2,134 acre-feet) and Shafter-Wasco Irrigation District (642 acre-feet).
April	24	2	BWSD FLOW - FOR ID4	Delivered as per terms of Kern County Water Agency-ID4/BUENA VISTA WATER STORAGE DISTRICT letter agreement dated April 25, 1986.

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 CREEK	ROCK CREEK	ROUND MEADOW	RAMSHAW MEADOWS	WHITNEY MEADOW	LITTLE MEADOW	CASA VIEJA MEADOWS	QUINN RANGER STATION	BONITA MEADOWS	BEACH MEADOWS	BASIN WIDE AVERAGE	A-J-RUNOFF IN PERCENT OF AVERAGE
1948		3.8	6.6	12.0	12.8	12.8	11.6	4.9	18.5	9.8	18.5	4.4	5.2	10.6	14.6	10.5	6.8	8.6	52%
1949	13.2	5.8	9.1	12.8	18.3	18.3	16.8	16.1	16.9	30.2	30.2	9.4	10.8	15.0	20.1	15.0	10.5	13.1	45%
1950	21.0	10.9	18.5	17.8	11.8	11.8	10.5	9.7	7.5	4.3	4.3	0.0	0.0	0.0	1.6	0.0	0.0	6.5	64%
1951	17.3	8.3	12.5	9.7	11.5	11.5	10.5	9.7	3.0	7.5	7.5	0.0	0.0	0.0	1.6	0.0	0.0	6.5	56%
1952	43.2	32.2	35.0	37.7	37.7	37.7	35.3	35.3	53.9	53.9	30.9	33.2	33.2	44.9	49.1	32.5	25.2	37.1	241%
1953	16.8	9.4	14.1	12.7	14.2	14.2	12.9	12.3	18.4	18.4	6.3	9.2	9.2	11.7	17.4	8.2	5.3	12.1	71%
1954	22.0	11.8	18.0	16.8	18.7	18.7	18.3	18.3	29.2	29.2	12.2	17.0	17.0	23.5	21.3	15.4	10.1	17.8	76%
1955	14.7	8.1	11.6	13.4	13.4	13.4	13.4	13.4	14.9	14.9	7.0	8.0	8.0	11.3	13.5	6.5	3.3	11.1	48%
1956	33.3	12.6	26.7	27.9	24.3	24.3	21.7	23.0	22.3	22.3	9.0	13.5	13.5	15.1	12.8	8.9	0.0	18.9	113%
1957	14.3	11.7	14.1	11.8	12.6	10.5	11.2	11.5	10.0	14.7	6.8	7.1	7.1	10.9	14.4	6.3	0.0	10.5	63%
1958	25.9	20.5	25.0	23.5	25.3	24.5	24.0	22.7	23.7	39.2	17.0	21.2	21.2	30.9	26.6	26.6	21.6	24.8	179%
1959	10.3	5.7	9.7	9.0	9.7	7.3	9.2	8.4	6.0	8.7	6.0	5.6	6.8	8.4	5.7	1.8	0.0	7.0	28%
1960	11.8	4.7	9.4	10.9	7.9	7.9	9.5	9.4	6.5	20.2	2.0	2.5	2.5	9.1	11.9	6.9	2.7	8.4	36%
1961	6.0	3.8	6.0	7.1	7.8	4.5	4.3	6.3	4.8	12.8	0.0	0.0	0.0	6.0	1.6	2.1	0.0	4.6	19%
1962	37.4	27.0	31.8	33.7	35.5	32.6	31.4	30.7	30.6	40.5	12.6	12.6	12.6	32.1	35.3	27.6	21.3	32.0	111%
1963	17.1	17.5	17.1	17.1	17.1	17.1	17.0	17.0	13.5	12.6	12.6	12.6	12.6	11.0	10.8	5.7	1.0	13.5	102%
1964	5.1	1.5	3.9	6.1	6.1	5.4	4.8	4.3	5.8	15.1	15.1	8.6	11.4	17.0	16.5	5.2	2.7	6.1	39%
1965	25.6	13.1	16.4	12.9	18.0	19.8	17.8	13.7	15.0	25.2	8.6	11.4	11.4	14.2	10.6	10.3	4.7	11.5	47%
1966	15.7	7.1	14.0	12.9	15.3	11.9	13.2	11.6	10.9	18.5	5.3	6.9	6.9	14.2	10.6	10.9	7.0	16.0	98%
1967	37.1	25.2	32.9	32.2	35.8	30.6	30.0	30.3	30.4	19.4	13.5	20.3	20.3	27.8	27.8	14.5	3.0	25.5	198%
1968	14.1	8.9	12.6	14.0	11.8	11.8	11.6	12.6	11.1	17.5	7.6	6.2	6.2	12.9	9.7	8.6	4.1	11.0	53%
1969	55.3	41.1	48.4	50.6	48.5	48.4	48.6	45.0	45.8	69.8	36.1	46.1	46.1	61.4	59.8	50.2	36.8	49.5	375%
1970	17.0	9.1	12.6	14.7	16.4	14.7	14.6	14.6	11.4	16.7	4.5	7.2	7.2	13.4	12.7	6.1	4.1	11.8	69%
1971	15.7	5.7	12.6	13.2	11.7	11.9	13.1	10.8	11.1	21.2	3.3	5.5	5.5	14.0	15.9	9.4	3.4	11.2	53%
1972	7.6	2.5	6.6	6.3	7.6	5.2	3.4	5.4	4.1	4.8	0.0	0.0	0.0	3.4	2.2	0.0	0.0	3.7	27%
1973	33.6	24.4	30.0	31.7	33.7	31.3	31.8	27.2	30.4	42.7	24.1	28.2	28.2	31.7	40.8	28.1	22.3	30.8	155%
1974	25.4	13.2	20.6	22.6	20.5	19.0	20.4	19.1	18.1	29.8	14.3	14.8	14.8	21.2	22.0	10.1	10.1	19.4	115%
1975	18.9	9.7	15.0	17.6	16.2	16.2	15.1	15.9	16.1	26.8	11.6	14.0	14.0	20.7	22.3	10.3	10.3	16.5	83%
1976	5.9	4.4	5.8	3.3	5.4	3.3	4.7	5.5	3.6	11.9	0.9	0.0	0.0	7.2	6.3	2.2	2.2	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	0.0	2.0	2.0	3.6	0.0	3.7	21%
1978	43.1	40.1	40.1	39.7	41.7	40.1	40.6	37.3	39.6	46.8	46.8	31.9	37.6	41.1	43.7	32.2	23.6	38.7	235%
1979	19.9	13.2	17.5	18.2	17.5	17.7	18.8	14.7	14.2	25.3	12.2	14.2	14.2	14.2	14.2	18.2	14.9	16.9	90%
1980	40.9	29.4	34.4	34.3	35.1	34.5	35.7	29.5	25.0	33.5	25.0	21.6	27.4	30.0	36.7	18.7	16.2	30.2	213%
1981	15.3	11.8	13.0	14.0	14.8	14.1	15.8	10.9	12.8	17.4	8.6	9.6	9.6	14.6	15.7	12.3	7.5	13.0	54%
1982	42.9	17.4	24.6	23.2	24.3	24.1	26.3	20.3	23.7	31.0	15.2	19.0	19.0	29.2	29.2	23.0	11.6	23.0	171%
1983	38.4	34.9	45.0	45.3	49.2	46.9	43.7	38.6	43.7	63.4	33.2	37.6	37.6	48.1	52.1	42.2	30.6	44.0	332%
1984	21.9	9.7	15.4	20.1	17.6	18.1	17.0	12.9	13.8	15.7	2.1	2.6	2.6	11.9	9.4	2.1	0.0	11.9	91%
1985	18.6	17.2	20.5	17.2	20.5	16.3	15.5	15.5	18.9	26.2	14.6	15.0	15.0	25.5	19.1	17.7	10.8	18.3	91%
1986	45.1	34.1	39.3	38.6	37.9	35.1	34.8	36.5	44.2	35.0	28.8	25.4	25.4	35.0	29.8	21.3	11.6	32.5	190%
1987	11.3	7.6	8.9	9.3	11.5	9.2	11.0	7.8	8.1	15.8	6.3	8.3	8.3	9.8	17.9	9.0	1.3	9.5	45%
1988	9.6	5.3	7.8	8.8	8.9	8.9	9.0	4.0	6.3	7.2	0.0	0.0	0.0	2.7	2.4	0.0	0.0	5.1	35%
1989	15.3	10.2	13.0	12.3	15.7	13.3	11.0	14.4	14.1	21.7	7.3	11.5	11.5	17.2	12.9	14.6	5.2	13.1	50%
1990	7.6	1.9	6.1	6.6	7.2	4.9	7.9	6.2	4.0	9.9	0.9	2.2	2.2	4.9	4.9	1.6	0.0	4.8	24%
1991	19.7	14.1	17.5	14.1	18.9	17.1	17.2	15.1	17.0	24.7	11.6	14.6	14.6	14.0	21.0	15.0	7.0	16.2	59%
1992	12.7	13.2	11.7	10.7	12.2	12.0	9.1	9.9	21.0	9.9	7.7	8.0	8.0	10.8	12.8	11.0	4.0	11.1	38%
1993	33.7	19.6	23.9	27.6	30.2	27.7	29.3	26.4	28.8	41.0	19.8	22.5	22.5	30.0	32.1	24.0	14.5	27.3	126%
1994	13.4	6.7	11.3	12.1	13.6	7.1	8.8	10.6	14.3	7.1	5.9	7.1	7.1	10.2	7.9	7.3	3.2	9.7	41%
1995	35.3	30.5	34.8	32.8	35.3	33.0	32.5	30.5	32.2	44.4	23.3	26.4	26.4	33.7	51.0	26.6	14.5	32.3	189%
1996	29.6	17.7	23.0	23.2	24.6	23.4	25.9	18.6	21.9	31.0	12.5	16.5	16.5	25.5	21.0	18.9	9.8	21.4	121% (estimate)
MAXIMUM	55.3	41.1	48.4	48.5	50.6	48.9	48.6	45.0	45.8	69.8	38.1	46.1	46.1	61.4	59.8	50.2	36.8	49.5	
MINIMUM	5.0	1.5	3.9	3.3	4.6	3.2	3.4	4.0	3.1	4.3	0.0	0.0	0.0	0.0	0.0	1.6	0.0	3.7	
AVERAGE	22.2	14.2	18.6	20.2	18.6	18.6	18.7	16.7	17.5	25.0	11.1	13.3	13.3	19.6	19.2	14.0	8.4	17.2	

DAY	ELEVATION (FEET)	ISABELLA		RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	SECOND POINT GROUP FLOW		FRONT - KERN INFLOW	DAY
		ACRE- FEET	MIDNIGHT STORAGE	S.F.D.	STORAGE				STORAGE	IRRIGATION		AT 2ND POINT	FRONT - KERN					
Previous Day	2595.71	461,236	232,540	132	1,294	4	4,038	4,038	232,540	217,322	4	149	153	710				
1	2596.19	466,227	235,056	135	1,562	5	4,218	4,296	235,134	219,916	4	182	64	657				
2	2596.67	471,244	237,586	153	1,764	5	4,452	4,348	237,560	222,342	5	225	28	554				
3	2597.13	476,075	240,021	148	1,786	5	4,374	4,331	239,952	224,734	4	253	0	500				
4	2597.56	480,612	242,309	167	1,708	5	4,168	4,170	242,242	227,024	5	254	0	500				
5	2597.95	484,747	244,393	137	1,742	5	3,968	4,030	244,388	229,170	4	245	0	500				
6	2598.31	488,576	246,324	171	1,848	5	3,955	3,949	246,313	231,095	5	233	0	500				
7	2598.65	492,208	248,155	153	1,934	5	3,923	3,925	248,146	232,928	5	231	0	500				
8	2598.98	495,745	249,938	139	1,971	5	3,898	3,917	249,948	234,730	4	236	0	450				
9	2599.31	499,292	251,727	139	1,998	5	3,931	3,888	251,694	236,476	4	268	0	415				
10	2599.62	502,636	253,412	127	2,017	5	3,834	3,931	253,476	238,258	4	273	0	429				
11	2599.99	506,643	255,433	93	1,908	5	4,027	3,999	255,469	240,251	3	322	0	435				
12	2600.37	510,771	257,514	150	1,900	5	4,136	4,148	257,562	242,344	4	286	0	435				
13	2600.73	514,699	259,494	160	2,136	5	4,281	4,349	259,610	244,392	4	276	0	435				
14	2601.11	518,857	261,591	142	2,385	5	4,629	4,555	261,633	246,415	4	312	0	435				
15	2601.49	523,035	263,697	136	2,508	5	4,755	4,773	263,757	248,539	4	311	0	369				
16	2601.84	526,894	265,643	104	2,879	5	4,934	4,815	265,584	250,366	3	363	0	171				
17	2602.13	530,103	267,260	143	2,991	6	4,757	4,579	267,023	251,805	4	388	0	40				
18	2602.29	531,877	268,155	96	3,050	6	4,047	4,217	268,088	252,870	3	394	0	40				
19	2602.40	533,100	268,771	96	3,130	5	3,847	3,833	268,690	253,472	3	410	0	40				
20	2602.45	533,656	269,052	128	3,189	6	3,604	3,578	268,945	253,727	3	419	0	40				
21	2602.45	533,656	269,052	118	3,158	6	3,282	3,349	269,012	253,794	3	397	0	40				
22	2602.43	533,433	268,939	115	3,155	5	3,162	3,165	268,902	253,684	3	430	0	40				
23	2602.39	532,988	268,715	96	3,173	6	3,051	3,054	268,681	253,463	3	495	0	40				
24	2602.35	532,544	268,491	112	3,055	5	2,948	2,881	268,390	253,172	3	527	0	40				
25	2602.31	532,099	268,267	99	2,763	6	2,644	2,687	268,209	252,991	3	492	29	95				
26	2602.25	531,435	267,932	134	2,664	6	2,469	2,547	267,952	252,734	4	441	43	135				
27	2602.21	530,981	267,708	99	2,648	6	2,529	2,492	267,691	252,473	3	373	42	135				
28	2602.17	530,547	267,484	99	2,597	5	2,477	2,523	267,513	252,295	3	363	41	135				
29	2602.17	530,547	267,484	134	2,423	6	2,563	2,520	267,470	252,252	4	398	63	298				
30	2602.17	530,547	267,484	134	2,380	6	2,520	2,534	267,484	252,266	4	402	81	415				
31	2602.17	530,547	267,484	140	2,406	6	2,552	2,552	267,484	252,266	4	378	102	415				
TOTAL SECOND FOOT DAYS				3,997	74,828	166	113,935	113,935	267,484	252,266	116	10,577	493	9,233				
TOTAL ACRE-FEET				7,928	148,419	329	225,987	225,987	530,547	500,363	230	20,979	978	18,314				

By:  Date: June 24, 1996



WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
May	1-31	1	FRIANT-KERN INFLOW	Includes Friant-Kern Inflow to Kern River channel on behalf of Kern County Water Agency (17,357 acre-feet) and Arvin-Edison Water Storage District (957 acre-feet).
May	1-13	2	BWSD FLOW - FOR ID4	Delivered as per terms of Kern County Water Agency-ID4/BUENA VISTA WATER STORAGE DISTRICT letter agreement dated April 25, 1996. (2,087 acre-feet of simultaneous exchange)
May	15-25	2	BWSD FLOW - FOR ID4	Delivered as per terms of BUENA VISTA WATER STORAGE DISTRICT/Kern County Water Agency-ID4 exchange agreement dated April 18, 1996. (1,330 acre-feet of advanced exchange)

KERN RIVER  
MAY CONTRIBUTION TO  
THE APRIL - JULY RUNOFF  
1894 TO DATE

In Order of Magnitude

Rank	Year	May Runoff	Apr-Jul Runoff	Apr-Jul Average	May % of Apr-Jul	Rank	Year	May Runoff	Apr-Jul Runoff	Apr-Jul Average	May % of Apr-Jul	Rank	Year	May Runoff	Apr-Jul Runoff	Apr-Jul Average	May % of Apr-Jul	
1	1924	41,722	92,556	20%	45.1%	36	1972	45,965	127,720	27%	36.0%	71	1983	478,625	1,545,610	331%	31.0%	
2	1947	110,325	249,572	53%	44.2%	37	1948	86,108	239,980	51%	35.9%	72	1955	69,544	224,785	48%	30.9%	
3	1976	47,151	108,754	23%	43.4%	38	1904	113,205	316,646	68%	35.8%	73	1914	210,676	685,012	147%	30.8%	
4	1897	281,639	654,262	140%	43.0%	39	1987	75,108	211,408	45%	35.5%	74	1989	71,849	234,430	50%	30.6%	
5	1931	41,967	98,062	21%	42.7%	40	1968	87,991	248,319	53%	35.4%	75	1959	39,945	130,585	28%	30.6%	
6	1926	98,598	232,782	50%	42.4%	41	1927	184,721	521,717	112%	35.4%	76	1908	79,418	260,894	56%	30.4%	
7	1992	74,394	179,153	38%	41.5%	42	1969	617,968	1,747,874	374%	35.4%	77	1956	159,683	525,641	112%	30.4%	
8	1937	352,050	852,047	182%	41.3%	43	1994	67,224	191,004	41%	35.2%	78	1916	472,984	1,571,597	336%	30.1%	
9	1919	140,215	342,987	73%	40.9%	44	1913	73,561	211,722	45%	34.7%	79	1935	103,787	350,647	75%	29.6%	
10	1996	225,987	560,000	121%	40.4%	45	1900	69,295	196,988	42%	34.7%	80	1917	185,022	560,304	120%	29.5%	
11	1949	84,508	209,911	45%	40.3%	46	1960	58,336	168,472	36%	34.6%	81	1907	199,950	678,748	145%	29.5%	
12	1973	288,652	723,768	155%	39.9%	47	1985	146,799	424,293	91%	34.6%	82	1932	154,742	526,432	113%	29.4%	
13	1946	155,476	390,747	84%	39.8%	48	1970	110,057	319,408	86%	34.5%	83	1967	269,681	924,005	198%	29.2%	
14	1928	76,885	193,702	41%	39.7%	49	1945	205,509	597,350	128%	34.4%	84	1930	67,851	232,582	50%	29.2%	
15	1954	139,719	354,117	76%	39.5%	50	1939	92,253	268,269	57%	34.4%	85	1980	287,825	991,025	212%	29.0%	
16	1979	164,935	419,859	90%	39.3%	51	1993	200,864	594,691	125%	34.4%	86	1963	137,839	476,579	102%	28.9%	
17	1922	242,259	617,710	132%	39.2%	52	1974	183,733	535,166	115%	34.3%	87	1965	131,980	456,668	98%	28.9%	
18	1929	85,995	219,532	47%	39.2%	53	1961	29,890	87,374	19%	34.3%	88	1991	79,768	276,543	59%	28.8%	
19	1941	396,666	995,657	213%	38.8%	54	1990	38,600	113,344	24%	34.1%	89	1942	150,096	522,905	112%	28.7%	
20	1952	434,769	1,119,815	240%	38.8%	55	1964	61,521	182,928	39%	33.6%	90	1902	109,904	369,596	83%	28.2%	
21	1895	268,635	694,729	149%	38.7%	56	1894	98,801	295,400	69%	33.4%	91	1995	255,046	929,221	199%	27.4%	
22	1940	196,465	510,614	109%	38.5%	57	1898	45,213	135,303	29%	33.4%	92	1915	124,506	485,242	97%	27.3%	
23	1984	161,613	423,132	91%	38.2%	58	1978	363,157	1,094,375	294%	33.2%	93	1971	66,635	244,475	52%	27.3%	
24	1958	316,974	831,669	178%	38.1%	59	1903	132,097	398,989	85%	33.1%	94	1957	79,355	292,346	63%	27.1%	
25	1975	147,001	366,180	83%	38.1%	60	1986	293,335	866,674	190%	33.1%	95	1977	25,630	95,649	20%	26.8%	
26	1936	219,404	581,624	124%	37.7%	61	1950	98,483	298,906	64%	32.8%	96	1962	185,884	515,474	110%	26.4%	
27	1986	82,336	219,893	47%	37.6%	62	1998	315,044	961,769	206%	32.8%	97	1911	184,481	701,168	150%	26.3%	
28	1994	43,065	116,145	25%	37.1%	63	1925	102,016	313,113	67%	32.6%	98	1953	86,019	329,570	71%	26.1%	
29	1944	150,109	405,981	87%	37.0%	64	1951	85,039	261,884	56%	32.5%	99	1906	360,234	1,391,636	298%	25.9%	
30	1920	158,904	430,813	92%	36.9%	65	1905	117,748	366,396	78%	32.1%	100	1899	51,353	213,710	46%	24.0%	
31	1943	254,785	697,182	149%	36.5%	66	1901	186,446	582,041	125%	32.0%	101	1918	78,722	334,816	72%	23.5%	
32	1981	91,914	252,681	54%	36.4%	67	1982	254,985	796,794	170%	32.0%	102	1896	86,174	372,922	80%	23.1%	
33	1923	120,849	392,532	71%	36.3%	68	1912	80,471	251,812	54%	32.0%	103	1933	60,026	299,584	64%	20.0%	
34	1910	127,733	352,126	75%	36.3%	69	1909	382,617	1,218,975	261%	31.4%							
35	1988	58,350	162,043	35%	36.0%	70	1921	100,096	321,325	69%	31.2%							

REPORT OF THE KERN RIVER WATERMASTER

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL	STORAGE		KERN COUNTY RECREATION POOL LOSS	SECOND POINT GROUP FLOW	
	ELEVATION (FEET)	MIDNIGHT STORAGE				ACRE- FEET	S.F.D.			+1ST POINT	-1ST POINT		IRRIGATION	AT 2ND POINT
Previous Day	2602.17	530,547	267,484	140	2,406	6	2,552	2,552	267,484	252,266	4	378	102	415
1	2602.23	531,213	267,820	134	2,309	6	2,785	2,824	267,859	252,641	4	383	94	482
2	2602.30	531,988	268,211	131	2,374	6	2,902	3,023	268,371	253,153	4	336	94	530
3	2602.42	533,322	268,883	168	2,536	6	3,382	3,299	268,960	253,742	5	233	49	404
4	2602.57	534,989	269,724	189	2,577	6	3,613	3,632	269,820	254,602	5	182	0	315
5	2602.76	537,105	270,791	178	2,651	6	3,902	3,861	270,846	255,628	5	192	0	226
6	2602.95	539,228	271,861	203	2,790	6	4,069	4,041	271,888	256,670	5	177	0	68
7	2603.15	541,464	272,988	135	2,885	6	4,153	4,092	272,954	257,736	4	170	0	0
8	2603.33	543,480	274,005	203	2,827	6	4,053	4,043	273,961	258,743	5	178	0	0
9	2603.49	545,277	274,911	200	2,811	6	3,923	3,902	274,846	259,628	5	175	0	0
10	2603.61	546,624	275,590	200	2,844	6	3,729	3,610	275,406	260,188	5	172	0	0
11	2603.63	546,849	275,703	187	2,873	6	3,179	3,290	275,630	260,412	5	149	0	0
12	2603.61	546,624	275,590	160	2,908	6	2,961	2,974	275,530	260,312	4	163	0	0
13	2603.55	545,949	275,249	170	2,946	6	2,781	2,909	275,317	260,099	5	182	0	0
14	2603.53	545,724	275,136	204	2,887	6	2,984	2,838	275,058	259,840	5	164	0	0
15	2603.53	545,724	275,136	180	2,564	6	2,750	2,767	275,075	259,857	5	163	0	0
16	2603.51	545,499	275,023	201	2,472	6	2,566	2,544	274,940	259,722	5	131	0	0
17	2603.43	544,603	274,571	160	2,603	6	2,317	2,375	274,546	259,328	4	138	0	0
18	2603.33	543,480	274,005	166	2,637	6	2,243	2,248	273,985	258,767	4	154	0	0
19	2603.25	542,585	273,553	159	2,470	7	2,184	2,171	273,520	258,302	4	160	0	0
20	2603.16	541,576	273,045	203	2,386	6	2,087	2,096	273,021	257,803	5	167	0	0
21	2603.06	540,456	272,480	196	2,379	7	2,017	1,986	272,425	257,207	5	162	0	0
22	2602.93	539,004	271,748	152	2,427	6	1,853	1,848	271,688	256,470	4	159	0	0
23	2602.76	537,105	270,791	169	2,454	7	1,673	1,740	270,798	255,580	5	166	0	0
24	2602.59	535,212	269,836	162	2,481	6	1,694	1,688	269,837	254,619	4	166	0	0
25	2602.43	533,433	268,939	125	2,463	7	1,698	1,581	268,823	253,605	3	152	0	0
26	2602.21	530,991	267,708	117	2,458	6	1,350	1,489	267,731	252,513	3	156	0	0
27	2602.01	528,773	266,590	120	2,409	7	1,418	1,369	266,564	251,346	3	152	0	0
28	2601.81	526,562	265,475	137	2,312	6	1,340	1,335	265,444	250,226	4	114	0	0
29	2601.61	524,356	264,363	150	2,202	7	1,247	1,278	264,363	249,145	4	84	0	0
30	2601.40	522,044	263,197	166	2,228	6	1,234	1,234	263,197	247,979	5	80	0	0
<b>TOTAL SECOND FOOT DAYS</b>				5,025	77,163	186	78,087	78,087	263,197	247,979	133	5,160	237	2,025
<b>TOTAL ACRE- FEET</b>				9,967	153,050	369	154,883	154,883	522,044	491,860	264	10,235	470	4,016

By: 

Date: July 23, 1996

Quantities in S.F.D. except where noted

JUNE 1986

REPORT OF THE KERN RIVER WATERMASTER

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

DAY	Previous Day	FLOW ABOVE FIRST POINT		ENTL AT 1ST POINT	FLOW AT 1ST	VALLEY LAKE MING COURSE	RESERVOIR LOSS STORAGE	ENTL AT 2ND POINT	KDMW VIA	CWD VIA	ACRE BANKING	FOR ID4 BANKING	PIONEER AT 2ND POINT	OLCESE WATER CARMEL	WD LOSS STORAGE	RESERVOIR NKWSD BYWSD	ENTITLEMENT Contributed by:		TRANS. WATER LOSS	KERN WATER BANK	FLOW ABOVE 1ST PT. OLCESE	RESERVOIR STORAGE	DAY																					
		ENTL AT 1ST POINT	VALLEY LAKE MING COURSE														ENTL AT 2ND POINT	RESERVOIR NKWSD BYWSD																										
1	1,799	1,577	2	0	84	149,615	753	48	200	203	0	0	378	4	46	83,570	0	0	0	0	0	0	10	19,081																				
2	1,755	1,735	1	1	80	149,553	863	35	0	156	0	0	383	4	44	83,811	206	0	0	0	0	0	10	19,277																				
3	1,858	1,825	2	0	78	149,506	944	42	0	171	0	0	336	4	43	84,159	221	0	0	0	0	0	10	19,488																				
4	1,995	2,080	1	1	100	149,319	1,063	39	0	184	0	0	233	4	55	84,707	241	0	0	0	0	0	13	19,716																				
5	2,158	2,199	2	0	112	149,164	1,209	41	0	155	0	0	182	4	63	85,471	265	0	0	0	0	0	14	19,967																				
6	2,266	2,238	1	1	105	149,085	1,313	45	0	176	0	0	192	4	59	86,308	282	0	0	0	0	0	14	20,235																				
7	2,351	2,375	2	1	119	148,939	1,395	39	0	174	25	0	177	3	68	87,217	295	0	0	0	0	0	16	20,514																				
8	2,373	2,359	1	1	79	148,872	1,420	38	0	187	131	0	170	4	46	88,061	299	0	0	0	0	0	10	20,803																				
9	2,352	2,244	2	0	118	148,860	1,396	33	0	159	213	0	178	4	69	88,801	295	0	0	0	0	0	16	21,082																				
10	2,286	2,264	1	1	116	148,764	1,331	25	0	162	185	0	175	4	68	89,513	285	0	0	0	0	0	16	21,351																				
11	2,148	2,292	2	0	116	148,502	1,199	30	0	169	181	0	172	4	68	90,088	263	0	0	0	0	0	16	21,598																				
12	1,991	2,181	1	1	108	148,202	1,059	23	0	18	502	0	149	4	64	90,387	240	0	0	0	0	0	15	21,823																				
13	1,833	2,113	2	0	92	147,828	924	19	0	0	509	0	163	4	55	90,561	217	0	4	100	0	13	21,923																					
14	1,799	2,116	1	1	97	147,412	898	19	0	0	526	0	182	4	59	90,669	212	0	3	100	0	14	22,018																					
15	1,762	2,070	2	0	116	146,986	869	17	0	0	532	0	164	4	71	90,750	207	0	4	100	0	17	22,104																					
16	1,725	1,827	2	0	103	146,779	840	28	81	0	363	0	163	4	62	90,889	202	0	2	100	0	15	22,189																					
17	1,608	1,659	2	1	114	146,611	750	27	218	0	333	6	131	3	70	90,851	186	0	2	96	0	17	22,260																					
18	1,518	1,781	2	0	91	146,255	684	32	220	0	336	27	138	4	56	90,722	173	0	1	68	0	13	22,351																					
19	1,449	1,813	2	0	94	145,795	635	44	218	0	301	27	154	4	58	90,551	164	0	1	79	0	14	22,421																					
20	1,407	1,785	2	1	91	145,323	606	37	222	0	166	27	160	4	55	90,486	158	0	1	72	0	13	22,493																					
21	1,366	1,731	2	0	115	144,841	577	30	231	0	135	33	167	4	71	90,392	153	0	2	57	0	17	22,570																					
22	1,305	1,706	2	1	111	144,326	536	34	224	0	174	8	162	4	68	90,254	145	0	3	68	0	17	22,627																					
23	1,221	1,700	2	0	86	143,759	492	26	215	0	225	0	159	4	53	90,064	135	0	3	99	0	13	22,647																					
24	1,155	1,698	2	1	96	143,117	458	38	214	0	223	7	166	4	59	89,811	127	0	3	105	0	14	22,652																					
25	1,123	1,718	2	0	91	142,429	442	35	215	0	215	14	166	4	57	89,547	123	0	3	115	0	14	22,643																					
26	1,058	1,714	2	1	70	141,700	408	24	228	0	220	26	152	4	44	89,257	115	0	3	96	0	11	22,648																					
27	1,002	1,687	2	1	66	140,946	378	28	227	0	225	26	156	3	41	88,929	109	0	3	106	0	10	22,638																					
28	929	1,654	2	1	68	140,150	340	19	226	0	223	21	152	4	42	88,582	100	0	3	111	0	10	22,614																					
29	908	1,569	2	0	77	139,411	329	31	226	0	237	24	114	4	48	88,227	97	0	4	107	0	12	22,588																					
30	874	1,442	2	1	85	138,755	311	30	218	0	304	16	84	4	52	87,830	93	0	3	105	0	13	22,560																					
S.F.D.	48,423	57,037	53	16	2,887	138,045	23,966	930	3,402	1,711	6,792	282	5,160	117	1,726	87,416	5,698	0	51	1,798	0	412	22,518	S.F.D.																				
AC.F.T.	96,045	113,128	105	31	5,727	273,809	47,536	1,845	6,749	3,394	13,472	560	10,235	233	3,423	173,387	11,302	0	101	3,566	0	817	44,664	AC.F.T.																				
																						TOTAL ACRE-FOOT STORAGE DAYS			8,666,245			TOTAL ACRE-FOOT STORAGE DAYS			5,284,581			TOTAL ACRE-FOOT STORAGE DAYS			1,293,853							

WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
June	1-6	1	FRIANT-KERN INFLOW	Includes Friant-Kern Inflow to Kern River channel on behalf of Kern County Water Agency (2,444 acre-feet) and Arvin-Edison Water Storage District (1,572 acre-feet).
June	1	2	HACIENDA WATER DISTRICT ENTITLEMENT	Allocation of HACIENDA WATER DISTRICT April-July Entitlement beginning June 1, 1996 as set forth in paragraph 1 (c) of the 1962 Kern River Water Rights and Storage Agreement.
June	16	2	BWSD FLOW - PIONEER BANKING	Delivered as per terms of BUENA VISTA WATER STORAGE DISTRICT (Henry Miller Water District) letter dated May 14, 1996.
June	12	2	HACIENDA WD FLOW - KERN WATER BANK	Reflects delivery of Lower River water to Kern Water Bank property as per terms of Bravo Management Memorandum dated June 10, 1996.
June	12	2	HACIENDA WD FLOW - TRANS. LOSS	Reflects seepage and transportation losses absorbed in the delivery of Lower River water pursuant to paragraph 2 (b) of the 1962 Kern River Water Rights and Storage Agreement.

ISABELLA RESERVOIR

HISTORICAL QUANTITIES OF MAXIMUM & MINIMUM STORAGE WITH DATE OF OCCURRENCE, CARRYOVER STORAGE & EVAPORATION LOSS  
ACRE--FEET

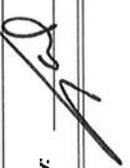
Year	Maximum Annual Storage	Date of Occurrence	Minimum Annual Storage	Date of Occurrence	December 31 Carryover Storage	Annual Evaporation Loss
1954	85,380	June 9	0	April 16, 1954	8,670	10,129
1955	78,567	December 31	4,330	April 21	78,567	7,556
1956	283,033	June 30	79,823	January 1	130,313	33,616
1957	183,979	June 20	101,074	December 14	101,413	27,379
1958	455,162	June 28	100,947	January 23	198,112	40,519
1959	207,674	May 21	71,344	December 19	71,608	29,258
1960	119,253	May 19	29,119	December 31	29,119	16,683
1961	53,096	June 17	17,410	November 19	17,524	10,647
1962	173,875	June 29	17,448	January 11	82,949	23,530
1963	369,950	June 28	82,190	January 28	170,043	37,218
1964	203,628	June 7	94,497	December 18	118,303	28,540
1965	288,937	July 9	117,117	March 23	171,193	32,290
1966	337,369	December 21	81,941	November 27	313,258	31,288
1967	538,698	July 20	199,282	December 14	199,937	42,655
1968	261,193	June 6	119,349	December 7	124,480	31,405
1969	578,116	July 14	124,283	January 12	225,535	45,760
1970	327,771	June 10	156,517	November 24	172,038	40,891
1971	240,996	June 22	120,161	November 25	122,040	39,678
1972	126,754	June 11	50,030	October 16	55,589	22,800
1973	399,448	June 29	55,449	January 7	205,948	43,411
1974	475,881	June 23	201,710	March 1	223,930	53,936
1975	348,695	June 17	169,893	December 17	170,190	46,169
1976	171,617	January 26	67,668	December 29	67,701	30,250
1977	82,347	June 16	34,504	December 16	43,620	19,366
1978	491,451	July 16	44,060	January 1	244,904	55,497
1979	442,035	June 11	208,692	December 30	208,768	51,942
1980	585,391	July 3	208,224	January 7	229,813	57,335
1981	312,456	June 7	166,907	December 27	168,210	47,541
1982	560,063	June 29	168,964	January 1	261,558	54,193
1983	630,825	July 6	260,010	January 9	311,944	55,001
1984	407,745	June 7	244,755	December 15	244,979	52,220
1985	388,621	June 13	189,823	November 23	195,516	49,931
1986	562,134	June 16	195,579	January 1	244,085	61,827
1987	276,266	June 7	142,661	December 1	143,410	42,029
1988	158,189	June 6	72,638	December 9	73,945	27,004
1989	184,801	June 1	71,111	February 9	85,978	33,497
1990	97,420	June 12	45,895	December 18	46,014	22,423
1991	175,558	June 19	45,300	February 27	89,654	28,106
1992	153,942	June 5	82,060	December 28	82,262	28,118
1993	416,982	June 29	82,189	January 1	242,525	48,579
1994	262,332	June 6	115,492	December 24	115,585	36,343
1995	551,921	July 19	115,492	January 3	246,474	53,589
1996	546,849	June 11				
Average					150,691	36,842

Quantities in S.F.D. except where noted

JULY 1986

REPORT OF THE KERN RIVER WATERMASTER

DAY	ISABELLA RESERVOIR		LOSS	CHANGE IN STORAGE + LOSS		FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL	STORAGE IRRIGATION	KERN COUNTY RECREATION POOL LOSS	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT - KERN INFLOW						
	ELEVATION (FEET)	ACRE-FEET		S.F.D.	+1ST POINT							+FLOW ABOVE	RIVER		FRIANT - KERN					
Previous Day	2601.40	522,044	263,197	166	1,234	2,228	6	1,234	263,197	247,979	5	80	0	0						
1	2601.21	519,956	262,145	149	1,388	2,284	7	1,386	262,153	246,935	4	89	0	0						
2	2601.00	517,653	260,984	198	1,412	2,369	6	1,415	260,995	245,777	6	91	0	0						
3	2600.77	515,133	259,713	212	1,446	2,498	7	1,481	259,759	244,541	6	92	0	0						
4	2600.55	512,732	258,503	215	1,584	2,573	6	1,523	258,488	243,270	6	91	0	0						
5	2600.31	510,117	257,184	221	1,540	2,631	7	1,544	257,173	241,955	6	122	0	0						
6	2600.07	507,509	255,869	186	1,507	2,629	7	1,522	255,873	240,655	5	135	0	0						
7	2599.83	504,907	254,557	196	1,518	2,627	7	1,510	254,553	239,335	6	133	0	0						
8	2599.58	502,204	253,195	199	1,505	2,662	6	1,474	253,160	237,942	6	140	0	0						
9	2599.32	499,399	251,780	174	1,400	2,634	7	1,377	251,722	236,504	5	141	0	0						
10	2599.03	496,280	250,208	184	1,227	2,609	6	1,343	250,266	235,048	5	141	0	0						
11	2598.77	493,491	248,802	142	1,401	2,658	7	1,341	248,800	233,582	4	140	0	0						
12	2598.53	490,924	247,508	138	1,394	2,544	6	1,378	247,490	232,272	4	128	0	0						
13	2598.31	488,576	246,324	165	1,339	2,351	7	1,378	246,345	231,127	5	121	0	0						
14	2598.09	486,234	245,143	168	1,400	2,407	6	1,348	245,112	229,894	5	120	0	0						
15	2597.84	483,579	243,805	206	1,306	2,431	7	1,253	243,721	228,503	6	120	0	0						
16	2597.55	480,507	242,256	205	1,053	2,390	7	1,154	242,273	227,055	6	119	0	0						
17	2597.27	477,549	240,764	153	1,103	2,435	7	1,071	240,749	225,531	5	98	0	0						
18	2596.97	474,393	239,173	173	1,058	2,470	6	1,045	239,145	223,927	5	91	0	0						
19	2596.67	471,244	237,586	162	973	2,391	7	977	237,562	222,344	5	92	0	0						
20	2596.39	468,314	236,108	155	901	2,218	6	895	236,078	220,860	5	91	0	0						
21	2596.09	465,184	234,530	175	812	2,208	7	843	234,531	219,313	6	96	0	0						
22	2595.76	461,753	232,801	181	815	2,356	7	801	232,788	217,570	6	130	0	0						
23	2595.41	458,129	230,973	184	776	2,413	7	802	230,986	215,768	6	136	0	0						
24	2595.05	454,414	229,101	173	813	2,506	6	845	229,146	213,928	6	137	0	0						
25	2594.71	450,920	227,339	186	947	2,516	7	884	227,321	212,103	6	133	0	0						
26	2594.39	447,642	225,686	172	891	2,365	7	897	225,674	210,456	6	133	0	0						
27	2594.11	444,784	224,245	115	854	2,173	7	840	224,219	209,001	4	129	0	0						
28	2593.84	442,035	222,859	115	775	2,039	7	811	222,869	207,651	4	131	0	0						
29	2593.56	439,194	221,427	170	805	2,060	7	800	221,432	206,214	6	135	0	0						
30	2593.29	436,463	220,050	137	819	2,053	6	814	220,050	204,832	5	130	0	0						
31	2593.00	433,540	218,577	176	783	2,073	7	783	218,577	203,359	6	91	0	0						
<b>TOTAL SECOND FOOT DAYS</b>											5,385	74,573	207	35,545	218,577	203,359	166	3,676	0	0
<b>TOTAL ACRE- FEET</b>											10,681	147,913	411	70,502	433,540	403,356	329	7,292	0	0

By:  Date: August 19, 1986

REPORT OF THE KERN RIVER WATERMASTER

JULY 1996

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	Previous Day	FLOW ABOVE FIRST POINT				FLOW				FLOW ABOVE FIRST PT.				RESERVOIR STORAGE	LOSS	DAY																	
		ENT'L AT 1ST POINT	FLOW ABOVE VALLEY	LAKE MING COURSE	KERN VALLEY	ENT'L AT 2ND POINT	VIA KWD	VIA CWD	VIA FOR ID4	PIONEER AT 2ND BANKING POINT	WATER CARMEL	OLCSE	WD				RESERVOIR STORAGE	LOSS	TRANS. BY	ENTITLEMENT	CONTRIBUTED BY	RESERVOIR STORAGE	LOSS	DAY									
1	847	1,482	2	0	93	138,045	297	22	219	308	20	80	58	87,416	90	0	3	0	114	0	15	22,518											
2	948	1,822	2	1	84	137,084	349	37	0	207	16	89	52	87,360	99	0	3	0	110	0	13	22,491											
3	960	1,894	2	0	112	136,036	355	42	0	210	14	91	69	87,285	100	0	3	0	115	0	17	22,456											
4	1,000	2,023	2	1	118	134,892	376	37	0	210	20	92	75	87,223	105	0	4	0	112	0	19	22,426											
5	1,027	2,088	2	0	120	133,709	389	40	0	222	14	91	76	87,165	107	0	3	0	115	0	19	22,396											
6	1,039	2,107	2	1	122	132,516	396	41	0	233	15	122	79	87,067	109	0	3	0	110	0	20	22,372											
7	1,026	2,092	2	0	103	131,345	389	31	0	225	17	135	66	86,977	107	0	5	0	124	0	17	22,333											
8	1,018	2,106	2	1	108	130,146	385	32	0	221	18	133	70	86,884	107	0	4	0	113	0	18	22,305											
9	997	2,103	2	0	109	128,929	373	48	0	226	22	140	72	86,745	104	0	4	0	119	0	18	22,268											
10	937	2,090	2	1	95	127,678	343	46	0	207	18	141	63	86,609	97	0	4	0	128	0	16	22,217											
11	916	2,045	2	0	100	126,447	332	50	0	218	19	141	67	86,442	95	0	4	0	132	0	17	22,159											
12	938	1,900	2	0	75	124,227	343	44	0	233	33	128	50	86,103	97	0	4	0	104	0	13	22,064											
13	938	1,731	2	1	89	123,342	343	37	0	228	38	121	61	85,957	97	0	4	0	101	0	15	21,928											
14	920	1,794	2	0	91	122,375	333	30	0	228	35	120	62	85,811	95	0	4	0	95	0	15	21,708											
15	862	1,761	2	1	111	121,362	303	35	103	191	29	120	76	85,556	88	0	3	0	85	0	19	21,585											
16	801	1,743	2	0	110	120,308	272	41	229	25	29	119	76	85,304	81	0	4	0	98	0	19	21,443											
17	750	1,805	2	1	82	119,168	245	41	230	23	31	98	57	85,065	76	0	5	0	102	0	14	21,298											
18	734	1,854	2	0	92	117,954	237	42	236	22	16	91	65	84,826	74	0	4	0	104	0	16	21,147											
19	693	1,809	2	1	86	116,749	215	31	226	25	21	92	61	84,581	69	0	3	0	94	0	15	21,014											
20	643	1,706	2	0	83	115,601	189	28	218	22	20	91	58	84,329	63	0	5	0	128	0	14	20,930											
21	610	1,715	2	1	93	114,400	173	33	216	20	26	96	66	84,041	60	0	4	0	98	0	16	20,872											
22	585	1,802	3	0	95	113,085	159	48	218	24	27	130	69	83,680	57	0	6	0	101	0	17	20,805											
23	585	1,809	2	1	97	111,761	160	57	230	27	27	136	70	83,289	57	0	5	0	122	0	17	20,718											
24	612	1,925	2	0	91	110,355	173	46	229	25	30	137	66	82,925	60	0	7	0	107	0	16	20,648											
25	636	1,910	2	1	98	108,980	186	53	222	31	25	133	71	82,572	62	0	5	0	137	0	17	20,551											
26	644	1,801	3	0	90	107,730	190	50	213	27	23	133	66	82,246	63	0	6	0	112	0	16	20,480											
27	609	1,636	2	0	60	106,641	172	55	216	23	16	129	44	81,930	59	0	6	0	92	0	11	20,430											
28	591	1,498	2	1	59	105,672	163	49	212	22	31	131	45	81,599	57	0	4	0	92	0	11	20,380											
29	585	1,515	2	1	88	104,651	159	53	214	11	26	135	66	81,249	56	0	4	0	102	0	16	20,314											
30	592	1,499	2	0	71	103,671	164	55	219	40	21	130	53	80,891	58	0	3	0	86	0	13	20,270											
31	574	1,543	2	1	90	102,609	154	56	208	155	20	91	69	80,442	55	0	0	0	0	0	17	20,308											
S.F.D.	24,685	57,142	64	16	2,899	102,609	8,351	1,344	3,639	3,818	729	3,676	127	1,992	80,442	2,509	0	127	854	3,244	0	494	20,308										
AC.F.T.	48,961	113,338	127	32	5,750	203,522	16,564	2,666	7,218	7,573	1,446	7,292	252	3,951	159,554	4,977	0	252	1,694	6,434	0	980	40,280										
															TOTAL ACRE-FOOT STORAGE DAYS	5,213,362																TOTAL ACRE-FOOT STORAGE DAYS	1,317,337



Quantities in S.F.D. except where noted

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REPORT OF THE KERN RIVER WATERMASTER

DAY	ISABELLA		RESERVOIR		LOSS	FIRST POINT		FLOW ABOVE 1ST PT.	CHANGE IN STORAGE + LOSS		COMPUTED NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	SECOND POINT GROUP FLOW AT 2ND POINT		FRIANT-KERN INFLOW							
	ELEVATION (FEET)	MIDNIGHT STORAGE	ACRE-FEET	S.F.D.		REGULATED FLOW	FLOW ABOVE 1ST POINT		+1ST POINT	+FLOW ABOVE 1ST POINT		Recreation Pool + Dead Storage = 15,218 S.F.D. (90,184 ACT)	TOTAL IRRIGATION		RECREATION POOL LOSS	RIVER		KERN						
Previous Day	2583.00	433,540	218,577	176	2,073	7	783	783	218,577	203,359	6	91	0	0	0	0	0							
1	2592.69	430,424	217,006	179	2,116	6	730	730	217,006	201,788	6	87	0	0	0	0	1							
2	2592.39	427,419	215,491	189	2,028	7	709	709	215,473	200,255	7	87	0	0	0	0	2							
3	2592.09	424,423	213,980	195	1,965	6	655	651	213,958	198,740	7	89	0	0	0	0	3							
4	2591.79	421,439	212,476	174	1,912	7	589	614	212,479	197,261	6	90	0	0	0	0	4							
5	2591.49	418,466	210,977	160	1,930	7	598	577	210,959	195,741	6	92	0	0	0	0	5							
6	2591.14	415,008	209,233	159	2,120	7	542	574	209,247	194,029	6	93	0	0	0	0	6							
7	2590.79	411,564	207,497	135	2,177	6	582	572	207,501	192,283	5	91	0	0	0	0	7							
8	2590.46	408,332	205,867	161	2,055	7	593	579	205,857	190,639	6	93	0	0	0	0	8							
9	2590.13	405,111	204,244	144	2,036	6	563	583	204,254	189,036	5	94	0	0	0	0	9							
10	2589.79	401,804	202,576	153	2,102	7	594	596	202,588	187,370	6	93	0	0	0	0	10							
11	2589.46	398,610	200,966	113	2,123	6	632	609	200,955	185,737	4	93	0	0	0	0	11							
12	2589.14	395,523	199,410	106	2,045	7	602	613	199,410	184,192	4	92	0	0	0	0	12							
13	2588.81	392,351	197,810	138	2,062	6	606	600	197,804	182,586	5	94	0	0	0	0	13							
14	2588.45	388,908	196,075	141	2,179	7	592	578	196,055	180,837	6	136	0	0	0	0	14							
15	2588.07	385,286	194,248	183	2,173	6	535	552	194,245	179,027	7	149	0	0	0	0	15							
16	2587.71	381,874	192,528	198	2,042	7	527	535	192,533	177,315	8	153	0	0	0	0	16							
17	2587.39	378,851	191,004	162	1,897	7	542	527	190,994	175,776	7	151	0	0	0	0	17							
18	2587.08	375,935	189,534	168	1,806	7	511	517	189,530	174,312	7	151	0	0	0	0	18							
19	2586.75	372,845	187,976	170	1,881	6	499	486	187,959	172,741	7	123	0	0	0	0	19							
20	2586.42	369,765	186,423	141	1,853	7	448	455	186,413	171,195	6	107	0	0	0	0	20							
21	2586.10	366,791	184,924	124	1,788	6	419	437	184,932	169,714	5	106	0	0	0	0	21							
22	2585.82	364,199	183,617	108	1,636	7	444	427	183,608	168,390	5	98	0	0	0	0	22							
23	2585.56	361,800	182,408	101	1,521	6	419	432	182,412	167,194	4	97	0	0	0	0	23							
24	2585.30	359,410	181,203	129	1,502	7	433	427	181,201	165,983	6	100	0	0	0	0	24							
25	2585.03	356,936	179,955	148	1,524	6	430	424	179,947	164,729	7	109	0	0	0	0	25							
26	2584.76	354,470	178,712	122	1,522	7	408	428	178,724	163,506	5	110	0	0	0	0	26							
27	2584.50	352,107	177,521	137	1,494	7	447	423	177,509	162,291	6	112	0	0	0	0	27							
28	2584.24	349,749	176,332	109	1,487	7	414	424	176,330	161,112	5	121	0	0	0	0	28							
29	2583.98	347,400	175,148	124	1,465	6	411	407	175,142	159,924	6	120	0	0	0	0	29							
30	2583.73	345,148	174,012	136	1,388	6	394	400	174,012	158,794	6	129	0	0	0	0	30							
31	2583.50	343,084	172,972	169	1,259	6	394	394	172,972	157,754	8	101	0	0	0	0	31							
<b>TOTAL SECOND FOOT DAYS</b>													4,576	57,088	203	16,262	172,972	157,754	184	3,361	0	0	0	0
<b>TOTAL ACRE-FEET</b>													9,076	113,232	404	32,255	343,084	312,900	365	6,667	0	0	0	0

By: \_\_\_\_\_ Date: September 20, 1996

REPORT OF THE KERN RIVER WATERMASTER

AUGUST 1996

Quantities in S.F.D. except where noted

NORTH KERN WATER STORAGE DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

HACIENDA WATER DISTRICT

DAY	FLOW ABOVE FIRST POINT				FLOW				FLOW ABOVE 1ST PT.				ENTITLED BY	RESERVOIR		LOSS STORAGE		WD	LOSS	RESERVOIR	DAY											
	ENT'L AT 1ST	FLOW AT 1ST	LAKE	VALLEY	ENT'L AT 2ND	VIA	VIA	VIA	FOR	PIONEER	AT 2ND	POINT		POINT	WD	OLCESE	RESERVOIR					LOSS STORAGE	WD	LOSS STORAGE	RESERVOIR	DAY						
1	574	1,543	2	1	90	102,609	154	56	208	155	20	91	4	69	80,442	4	70	80,226	0	17	20,308	1										
2	593	1,837	2	0	92	101,271	137	53	0	115	24	87	4	74	80,082	4	54	78,694	0	18	20,273	2										
3	567	1,838	2	1	97	99,900	124	50	0	29	24	87	4	77	79,942	4	65	78,256	0	19	20,254	3										
4	539	1,794	2	0	99	98,544	112	48	0	17	17	89	4	69	79,802	4	64	79,550	0	17	20,237	4										
5	514	1,745	2	1	88	97,222	100	46	0	15	16	90	4	64	79,550	4	64	79,550	0	16	20,221	5										
6	487	1,720	2	0	79	94,656	87	183	0	93	21	93	5	64	79,168	5	64	79,168	0	16	20,205	6										
7	485	1,674	2	0	67	93,398	87	185	0	205	22	91	4	54	78,694	4	54	78,694	0	14	20,191	7										
8	490	1,597	2	1	80	92,208	89	204	0	141	20	93	4	65	78,256	4	65	78,256	0	16	20,175	8										
9	493	1,620	2	0	71	91,008	90	198	0	101	23	94	4	58	77,868	4	58	77,868	0	15	20,160	9										
10	502	1,691	2	1	75	89,741	94	189	0	108	21	93	4	62	77,485	4	62	77,485	0	16	20,144	10										
11	511	1,669	2	0	55	88,526	98	207	0	132	22	93	4	46	77,079	4	46	77,079	0	12	20,132	11										
12	513	1,602	2	1	52	87,382	100	219	0	107	25	92	4	43	76,689	4	43	76,689	0	11	20,121	12										
13	505	1,652	2	0	66	86,167	95	220	0	68	28	94	4	57	76,313	4	57	76,313	0	15	20,106	13										
14	490	1,719	2	1	68	84,867	88	213	0	85	26	136	4	58	75,879	4	58	75,879	0	15	20,091	14										
15	472	1,709	2	0	87	83,541	80	192	0	99	24	149	4	76	75,415	4	76	75,415	0	20	20,071	15										
16	460	1,523	2	0	95	82,381	75	81	180	81	24	153	5	82	74,884	5	82	74,884	0	21	20,050	16										
17	455	1,359	2	1	77	81,397	72	74	199	92	22	151	4	67	74,347	4	67	74,347	0	18	20,032	17										
18	448	1,198	2	1	80	80,564	69	145	200	92	20	151	4	70	73,734	4	70	73,734	0	18	20,014	18										
19	427	1,207	2	0	80	79,702	59	194	202	129	26	123	4	71	73,044	4	71	73,044	0	19	19,995	19										
20	406	1,200	2	1	66	78,839	49	201	205	118	22	107	4	59	72,377	4	59	72,377	0	16	19,979	20										
21	393	1,084	2	0	58	78,088	44	220	204	146	28	106	4	52	71,661	4	52	71,661	0	14	19,965	21										
22	387	992	2	1	51	77,429	40	224	192	107	23	98	4	45	71,008	4	45	71,008	0	12	19,953	22										
23	390	899	2	0	48	76,870	42	203	176	122	24	97	4	42	70,382	4	42	70,382	0	11	19,942	23										
24	387	871	2	1	61	76,322	40	198	171	135	27	100	4	53	69,734	4	53	69,734	0	15	19,927	24										
25	385	912	2	0	70	75,723	39	171	169	137	26	109	4	61	69,096	4	61	69,096	0	17	19,910	25										
26	387	935	2	0	58	75,115	41	154	171	133	19	110	5	50	68,495	5	50	68,495	0	14	19,896	26										
27	384	933	2	1	65	74,498	39	128	176	121	24	112	4	56	67,913	4	56	67,913	0	16	19,880	27										
28	385	917	2	1	51	73,912	39	125	176	127	21	121	4	45	67,333	4	45	67,333	0	13	19,867	28										
29	373	878	2	0	58	73,347	34	128	175	147	17	120	4	51	66,725	4	51	66,725	0	15	19,852	29										
30	368	748	1	1	64	72,901	32	118	171	206	16	129	4	56	66,057	4	56	66,057	0	16	19,836	30										
31	364	568	2	0	80	72,615	30	101	173	310	6	101	4	69	65,323	4	69	65,323	0	20	19,816	31										
S.F.D.	14,049	41,749	61	15	2,218	72,615	2,213	4,818	2,940	3,540	680	3,361	127	1,866	65,323	127	1,866	65,323	0	492	19,816	S.F.D.										
AC.F.T.	27,866	82,807	121	31	4,399	144,030	4,389	9,556	5,831	7,022	1,349	6,667	252	3,701	129,566	252	3,701	129,566	0	976	39,304	AC.F.T.										
TOTAL ACRE-FOOT STORAGE DAYS											TOTAL ACRE-FOOT STORAGE DAYS											TOTAL ACRE-FOOT STORAGE DAYS										
5,184,997											4,551,193											1,232,897										

WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

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

August

None

1996 APRIL-JULY UNIMPAIRED RUNOFF  
Central Valley Streams

April-July Flows  
in 1000 Acre-feet

Watershed	(1) 50-Year Average	Forecast as of				(2) 1996 Actual	% of Average
		Feb. 1	Mar. 1	Apr. 1	May 1		
Sacramento River above Bend Bridge	2,491	2,200	2,360	2,130	2,290	2,807	113%
Feather River at Oroville Reservoir	1,857	1,620	1,790	1,720	2,070	2,385	128%
Yuba River at Smartville	1,047	950	1,060	1,030	1,190	1,464	140%
American River at Folsom Reservoir	1,284	1,170	1,360	1,330	1,470	1,685	131%
Cosumnes River at Michigan Bar	129	110	120	130	130	153	119%
Mokelumne River at Pardee Reservoir	465	420	500	500	520	546	117%
Stanislaus River at Melones Reservoir	713	640	770	780	810	845	119%
Tuolumne River at Don Pedro Reservoir	1,200	1,080	1,280	1,350	1,420	1,422	119%
Merced River at Exchequer Reservoir	617	560	680	710	740	815	132%
San Joaquin River at Millerton Lake	1,228	1,080	1,300	1,400	1,470	1,518	124%
Kings River at Pine Flat Reservoir	1,203	1,010	1,280	1,410	1,520	1,500	125%
Kaweah River at Terminus Reservoir	284	220	290	310	320	337	119%
Tule River at Success Reservoir	63	40	60	70	65	62	98%
KERN RIVER AT ISABELLA RESERVOIR	461	320	460	530	540	580	126%

(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

DAY	ELEVATION (FEET)	ISABELLA		RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE + LOSS + FLOW ABOVE 1ST POINT	COMPUTED 1ST POINT NATURAL FLOW	MEAN TOTAL	STORAGE		KERN COUNTY RECREATION POOL LOSS	SECOND POINT GROUP FLOW AT 2ND POINT		FRONT-KERN INFLOW	DAY
		ACRE-FEET	S.F.D.	MIDNIGHT STORAGE	RESERVOIR							IRRIGATION	DEAD STORAGE		RIVER	KERN		
Previous Day	2583.50	343,084	172,972	169	1,259	6	394	394	394	394	172,972	157,754	8	101	0	0	0	0
1	2583.30	341,292	172,068	171	1,119	6	392	392	377	377	172,053	156,835	8	64	0	0	1	1
2	2583.08	339,328	171,078	174	1,157	5	346	346	357	357	171,074	155,856	8	58	0	0	2	2
3	2582.85	337,282	170,046	144	1,215	6	333	333	318	318	170,027	154,809	7	49	0	0	3	3
4	2582.61	335,153	168,973	104	1,240	5	276	276	295	295	168,973	153,755	5	65	0	0	4	4
5	2582.35	332,854	167,814	150	1,278	6	275	275	285	285	167,824	152,606	7	34	0	0	5	5
6	2582.11	330,740	166,748	107	1,258	6	305	305	295	295	166,748	151,530	5	15	0	0	6	6
7	2581.89	328,808	165,774	116	1,158	5	305	305	306	306	165,775	150,557	6	20	0	0	7	7
8	2581.67	326,883	164,804	126	1,146	6	308	308	310	310	164,807	149,589	6	20	0	0	8	8
9	2581.45	324,963	163,836	112	1,169	5	318	318	302	302	163,823	148,605	6	18	0	0	9	9
10	2581.22	322,962	162,827	131	1,153	6	281	281	291	291	162,824	147,606	7	23	0	0	10	10
11	2580.99	320,967	161,821	131	1,143	5	273	273	274	274	161,819	146,601	7	22	0	0	11	11
12	2580.75	318,893	160,775	117	1,192	6	269	269	272	272	160,776	145,558	6	29	0	0	12	12
13	2580.53	316,996	159,819	98	1,127	5	274	274	285	285	159,811	144,593	5	27	0	0	13	13
14	2580.32	315,193	158,910	89	1,066	5	251	251	262	262	158,913	143,695	5	36	0	0	14	14
15	2580.11	313,395	158,003	91	1,072	5	261	261	258	258	158,003	142,785	5	31	0	0	15	15
16	2579.88	311,432	157,014	97	1,149	5	262	262	255	255	157,007	141,789	5	30	0	0	16	16
17	2579.66	309,560	156,070	88	1,093	5	242	242	257	257	156,078	140,860	5	24	0	0	17	17
18	2579.46	307,864	155,215	87	1,028	6	266	266	262	262	155,219	140,001	5	43	0	0	18	18
19	2579.25	306,089	154,320	109	1,060	5	279	279	267	267	154,312	139,094	6	43	0	0	19	19
20	2579.03	304,233	153,384	107	1,079	6	256	256	265	265	153,385	138,167	6	39	0	0	20	20
21	2578.83	302,552	152,537	96	1,007	5	261	261	262	262	152,539	137,321	5	39	0	0	21	21
22	2578.64	300,961	151,735	124	940	6	268	268	271	271	151,740	136,522	7	39	0	0	22	22
23	2578.45	299,374	150,934	108	972	5	284	284	269	269	150,924	135,706	6	37	0	0	23	23
24	2578.24	297,625	150,053	95	1,035	5	254	254	262	262	150,051	134,833	5	37	0	0	24	24
25	2578.02	295,796	149,131	101	1,064	5	248	248	253	253	149,134	133,916	6	40	0	0	25	25
26	2577.81	294,059	148,255	103	1,026	5	258	258	252	252	148,252	133,034	6	37	0	0	26	26
27	2577.62	292,491	147,464	61	974	5	249	249	253	253	147,465	132,247	4	38	0	0	27	27
28	2577.43	290,929	146,677	94	940	6	253	253	258	258	146,683	131,465	5	39	0	0	28	28
29	2577.25	289,453	145,933	94	916	5	271	271	265	265	145,933	130,715	6	36	0	0	29	29
30	2577.08	288,060	145,230	96	879	5	277	277	277	277	145,230	130,012	6	36	0	0	30	30
<b>TOTAL SECOND FOOT DAYS</b>							3,321	32,655	161	8,395	8,395	145,230	130,012	176	1,068	0	0	0
<b>TOTAL ACRE-FEET</b>							6,587	64,770	319	16,651	16,651	288,060	257,876	349	2,118	0	0	0

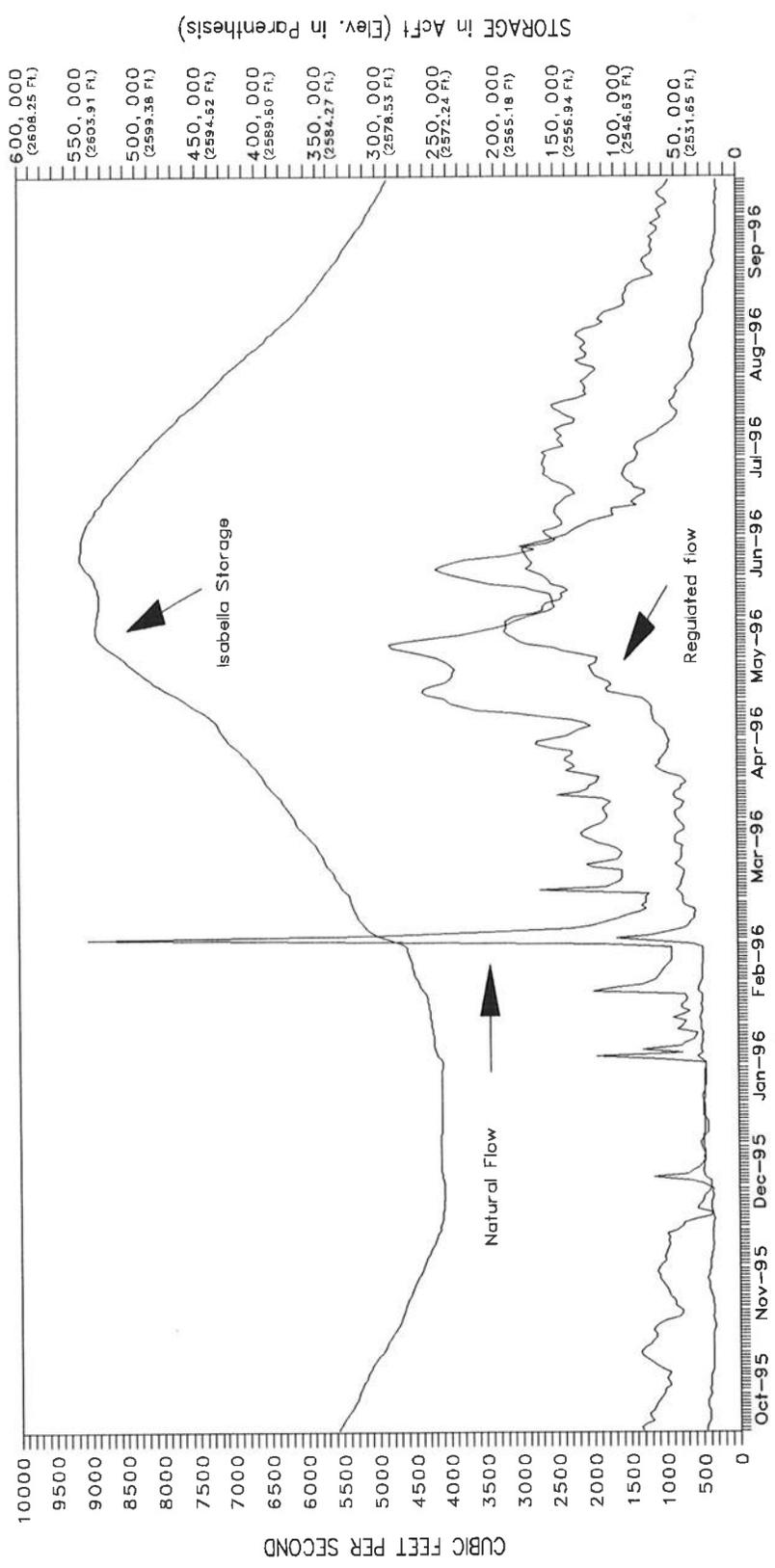
By:  Date: October 15, 1986



WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
September	1	2	HACIENDA WATER DISTRICT - RESERVOIR STORAGE NORTH KERN WSD - RESERVOIR STORAGE	Includes: NORTH KERN WSD Transportation Loss Assignment to HACIENDA WD of 97 acre-feet (49 s.f.d.) per section 2 (b) of the 1962 Kern River Water Rights and Storage Agreement.

KERN RIVER NATURAL FLOW, REGULATED FLOW, & ISABELLA RESERVOIR STORAGE  
1995-1996 WATER YEAR



REPORT OF THE KERN RIVER WATERMASTER

OCTOBER 1996

Quantities in S.F.D. except where noted

DAY	ISABELLA		RESERVOIR		FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+LOSS		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION		SECOND POINT AT 2ND POINT		FRONT-KERN INFLOW	DAY	
	ELEVATION (FEET)	MIDNIGHT ACRE-FOOT	S.F.D.	STORAGE			LOSS	+1ST POINT FLOW		+1ST POINT STORAGE	IRRIGATION	RECREATION	POOL LOSS	RIVER	KERN			FRONT-KERN
Previous Day	2577.08	288,060	145,230	96	879	5	277	277	277	145,230	130,012	6	36	0	0	0		
1	2576.92	286,755	144,572	93	834	4	273	289	289	144,588	129,370	6	41	0	0	0	1	
2	2576.78	285,614	143,997	80	813	4	322	293	293	143,984	128,766	5	40	0	0	0	2	
3	2576.63	284,397	143,384	86	806	4	283	288	288	143,376	128,158	5	38	0	0	28	3	
4	2576.49	283,263	142,812	64	763	4	259	281	281	142,826	127,608	4	41	0	0	45	4	
5	2576.37	282,291	142,322	92	695	3	300	279	279	142,315	127,097	6	40	0	0	15	5	
6	2576.25	281,323	141,834	86	677	3	278	280	280	141,829	126,611	5	40	0	0	0	6	
7	2576.10	280,114	141,224	95	773	4	262	270	270	141,227	126,009	6	40	0	0	0	7	
8	2575.93	278,748	140,536	85	869	4	270	258	258	140,527	125,309	5	40	0	0	0	8	
9	2575.73	277,146	139,728	113	933	4	242	255	255	139,732	124,514	7	39	0	0	0	9	
10	2575.52	275,467	138,881	107	991	3	254	255	255	138,886	123,688	7	38	0	0	0	10	
11	2575.31	273,796	138,039	91	1,017	4	270	250	250	138,024	122,806	6	38	0	0	0	11	
12	2575.11	272,210	137,239	66	958	3	227	245	245	137,242	122,024	4	39	0	0	0	12	
13	2574.92	270,708	136,482	78	912	4	237	238	238	136,486	121,268	5	39	0	0	0	13	
14	2574.74	269,289	135,767	65	897	4	251	231	231	135,751	120,533	4	44	0	0	0	14	
15	2574.53	267,637	134,934	84	950	4	205	233	233	134,946	119,728	5	39	0	0	0	15	
16	2574.34	266,149	134,184	108	882	3	243	227	227	134,180	118,962	7	39	0	0	0	16	
17	2574.17	264,822	133,514	52	847	4	233	237	237	133,514	118,296	3	38	0	0	0	17	
18	2574.01	263,574	132,885	74	786	4	235	224	224	132,874	117,656	5	42	0	0	0	18	
19	2573.88	262,565	132,377	49	658	3	202	230	230	132,394	117,176	3	41	0	0	59	19	
20	2573.77	261,711	131,946	55	624	4	252	222	222	131,933	116,715	4	38	0	0	117	20	
21	2573.64	260,706	131,439	85	632	3	213	229	229	131,442	116,224	6	43	0	0	120	21	
22	2573.54	259,932	131,049	54	555	4	223	229	229	131,058	115,840	4	10	32	152	22	22	
23	2573.45	259,240	130,700	61	536	4	252	237	237	130,694	115,476	4	0	41	165	23	23	
24	2573.37	258,623	130,389	9	535	3	236	235	235	130,382	115,164	1	0	40	168	24	24	
25	2573.28	257,930	130,040	33	529	4	217	230	230	130,046	114,828	2	0	43	166	25	25	
26	2573.22	257,470	129,808	12	455	3	238	231	231	129,807	114,589	1	0	29	165	26	26	
27	2573.16	257,010	129,576	41	424	4	237	245	245	129,583	114,365	3	0	12	133	27	27	
28	2573.11	256,626	129,382	36	414	3	259	261	261	129,391	114,173	2	0	0	123	28	28	
29	2573.07	256,319	129,228	3	434	4	287	298	298	129,248	114,030	0	0	0	125	29	29	
30	2573.04	256,089	129,112	21	438	4	347	327	327	129,112	113,894	1	0	0	125	30	30	
31	2573.03	256,013	129,073	48	341	3	353	353	353	129,073	113,855	3	0	0	125	31	31	
<b>TOTAL SECOND FOOT DAYS</b>					2,026	21,978	113	7,960	7,960	129,073	113,855	129	847	197	1,831			
<b>TOTAL ACRE-FOOT</b>					4,019	43,593	224	15,788	15,788	256,013	225,829	256	1,680	391	3,633			

By: 

Date: November 22, 1996

HACIENDA WATER DISTRICT

BUENA VISTA WATER STORAGE DISTRICT

NORTH KERN WATER STORAGE DISTRICT

DAY	POINT	FLOW ABOVE FIRST POINT	ENTL AT 1ST	VALLEY LAKE	RESERVOIR				ENTL AT 1ST	FLOW				ENTITLEMENT				FLOW ABOVE 1ST PT.	RESERVOIR LOSS STORAGE	DAY																																				
					LOSS STORAGE	AT 1ST POINT	VIA KWD	VIA CWD		VIA MKWSD	VIA ID4	FOR PIONEER BANKING	FOR LHW	FOR AT 2ND POINT	RESERVOIR LOSS STORAGE	Contributed by:	ENTITLEMENT				FLOW FOR	ENTITLEMENT	FLOW FOR	ENTITLEMENT	FLOW FOR																															
Previous Day	277	457	0	2	48	113	0	209	16	0	36	35	47,911	0	0	3	13	19,355																																						
1	289	455	0	1	34	111	0	182	11	0	41	34	47,498	0	0	3	13	19,339																																						
2	293	472	0	1	34	114	0	139	14	0	40	29	47,128	0	2	2	11	19,326																																						
3	288	444	0	2	51	110	0	144	19	0	38	31	46,735	0	2	12	12	19,312																																						
4	281	382	0	1	63	93	0	163	21	0	41	23	46,331	0	3	9	9	19,300																																						
5	279	309	0	1	33	91	0	196	26	0	40	33	45,912	0	2	13	13	19,285																																						
6	280	329	0	1	29	78	0	179	22	0	40	31	45,533	0	2	12	12	19,271																																						
7	270	425	0	2	27	90	0	173	18	0	40	34	45,151	0	2	14	14	19,255																																						
8	258	474	0	1	33	87	0	222	13	0	40	30	44,726	0	3	12	12	19,240																																						
9	255	540	0	1	30	85	0	231	8	0	39	40	44,293	0	2	16	16	19,222																																						
10	255	557	0	1	24	78	0	272	22	0	38	37	43,822	0	2	15	15	19,205																																						
11	250	560	0	1	25	84	0	128	22	160	38	32	43,333	0	3	13	13	19,189																																						
12	245	494	0	1	22	81	0	118	19	185	39	23	42,846	0	2	10	10	19,177																																						
13	238	439	0	1	18	78	0	111	16	211	39	27	42,346	0	3	11	11	19,163																																						
14	231	477	0	1	18	80	0	100	22	156	44	22	41,904	0	2	10	10	19,151																																						
15	233	487	0	1	34	55	0	116	14	14	205	29	41,412	0	3	13	13	19,135																																						
16	227	425	0	1	33	55	0	124	23	178	39	37	40,923	5	2	16	16	19,112																																						
17	237	373	0	1	22	80	0	0	20	189	38	18	40,556	125	3	8	8	18,976																																						
18	224	344	0	1	16	79	0	0	21	163	42	25	40,210	121	2	11	11	18,842																																						
19	230	284	0	1	15	77	0	0	14	65	41	16	39,882	162	2	7	7	18,671																																						
20	222	285	0	1	11	78	0	0	14	0	38	18	39,823	198	3	8	8	18,462																																						
21	229	324	0	1	16	55	0	0	3	0	43	28	39,678	191	2	12	12	18,257																																						
22	229	280	0	1	17	46	32	0	0	0	10	18	39,555	170	3	8	8	18,076																																						
23	237	249	0	1	14	47	41	0	0	0	0	20	39,433	185	2	9	9	17,880																																						
24	235	245	0	1	11	52	40	0	0	0	0	3	39,327	187	2	1	1	17,690																																						
25	230	219	0	1	3	49	43	0	0	0	0	11	39,221	215	3	5	5	17,467																																						
26	231	171	0	1	1	43	29	0	0	0	0	4	39,144	211	2	2	2	17,252																																						
27	245	199	0	1	0	37	12	0	0	0	0	14	39,081	176	3	6	6	17,067																																						
28	261	241	0	1	0	41	0	0	0	0	0	12	39,028	132	2	5	5	16,928																																						
29	298	219	0	1	0	32	0	0	0	0	0	1	38,995	183	2	0	0	16,743																																						
30	327	218	0	1	0	11	58,389	0	0	0	0	7	38,955	187	3	3	3	16,550																																						
31	353	165	0	1	0	32	0	0	0	0	0	16	38,907	144	2	7	7	16,397																																						
S.F.D.	7,960	11,085	33	6	634	2,151	197	2,598	362	1,512	847	703	38,907	2,592	74	292	16,397	S.F.D.																																						
AC.FT.	15,788	21,987	65	12	1,257	4,266	391	5,154	718	3,000	1,680	1,394	77,171	5,140	147	579	32,523	AC.FT.																																						
TOTAL ACRE-FOOT STORAGE DAYS																		3,669,389	TOTAL ACRE-FOOT STORAGE DAYS																		2,582,057	TOTAL ACRE-FOOT STORAGE DAYS																		1,136,409

**REPORT OF THE KERN RIVER WATERMASTER**

OCTOBER 1996

PAGE 5 of 5

**WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN**

<u>MONTH</u>	<u>DAY(S)</u>	<u>PAGE NO.</u>	<u>TITLE OF COLUMN</u>	<u>COMMENT</u>
October	3	1	FRIANT - KERN INFLOW	Includes Friant - Kern Inflow to Kern River channel on behalf of Kern County Water Agency (3,242 acre-feet) and North Kern WSD/Semitropic WSD/KCWA (391 acre-feet).
October	11	2	BWSD FLOW - FOR LHWD	Delivered as per terms of BUENA VISTA WATER STORAGE DISTRICT/Lost Hills Water District exchange agreement dated September 23, 1996.
October	22	2	BWSD FLOW - VIA NKWSD	Delivered as per terms of NORTH KERN WATER STORAGE DISTRICT/BUENA VISTA WATER STORAGE DISTRICT exchange agreement dated October 21, 1996.
October	16	2	HACIENDA WD FLOW - FOR ID4	Reflects delivery of Lower River water for Improvement District No. 4 of the Kern County Water Agency as per terms of Bravo Management Memorandum dated June 10, 1996.

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

1995 - 1996 WATER YEAR

Quantities in acre-feet

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
+ Kern River Natural Flow	24,093	22,268	28,820	40,304	98,549	108,042	147,959	225,987	154,883	70,502	32,255	16,651	970,313
- Isabella Reservoir Evaporation	5,177	2,698	1,402	1,341	914	2,646	5,072	7,928	9,967	10,681	9,076	6,587	63,489
- Into Isabella Storage	0	0	0	9,922	63,013	58,126	83,702	69,311	0	0	0	0	284,074
+ From Isabella Storage	52,665	37,811	601	0	0	0	0	0	8,503	88,503	90,457	55,025	333,565
Kern River via Kern River/ - California Aqueduct Inter tie	0	0	0	0	0	0	0	0	0	0	0	0	0
Monthly Absorption within = Kern River Service Area	71,581	57,381	28,019	29,041	34,622	47,270	59,185	148,748	153,419	148,324	113,636	65,089	956,315
Accumulative Absorption within Kern River Service Area	71,581	128,962	156,981	186,022	220,644	267,914	327,099	475,847	629,266	777,590	891,226	956,315	

Quantities in S.F.D. except where noted

NOVEMBER 1996

REPORT OF THE KERN RIVER WATERMASTER

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE + LOSS + FLOW ABOVE 1ST POINT	COMPUTED NATURAL FLOW	MEAN TOTAL	STORAGE IRRIGATION	KERN RECREATION POOL LOSS	SECOND POINT GROUP FLOW			FRONT-KERN INFLOW	DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE- FEET									S.F.D.	KERN RIVER	KERN FRIANT-		
Previous Day	2573.03	256,013	129,073	48	341	353	353	129,073	113,855	3	0	0	0	125	
1	2573.02	255,936	129,034	43	316	322	330	129,042	113,824	3	0	0	0	125	1
2	2573.01	255,860	128,996	43	340	347	324	128,981	113,763	3	0	0	0	125	2
3	2572.99	255,708	128,920	31	345	302	311	128,914	113,696	2	0	0	0	125	3
4	2572.97	255,555	128,842	40	319	283	292	128,845	113,627	3	0	0	0	125	4
5	2572.95	255,402	128,765	28	338	291	284	128,761	113,543	2	0	0	0	125	5
6	2572.91	255,096	128,611	19	411	278	306	128,635	113,417	1	0	0	0	125	6
7	2572.87	254,791	128,457	46	455	349	309	128,441	113,223	3	79	0	0	125	7
8	2572.80	254,256	128,187	62	507	301	311	128,181	112,963	4	105	0	0	125	8
9	2572.73	253,724	127,919	52	497	283	289	127,919	112,701	4	121	0	0	125	9
10	2572.66	253,191	127,651	37	513	283	286	127,654	112,436	3	141	0	0	125	10
11	2572.59	252,659	127,382	37	522	292	300	127,393	112,175	3	137	0	0	52	11
12	2572.53	252,203	127,152	40	511	323	311	127,151	111,933	3	122	0	0	15	12
13	2572.47	251,749	126,924	43	500	317	308	126,914	111,696	3	116	0	0	15	13
14	2572.41	251,294	126,694	34	479	285	293	126,692	111,474	2	122	0	0	15	14
15	2572.34	250,764	126,427	40	502	277	290	126,438	111,220	3	133	0	0	15	15
16	2572.28	250,310	126,198	18	518	309	298	126,198	110,980	1	153	0	0	15	16
17	2572.35	250,840	126,465	30	526	824	824	126,465	111,247	2	149	0	0	15	17
18	2572.53	252,203	127,152	34	574	1,297	1,297	127,152	111,934	2	150	0	0	15	18
19	2572.52	252,127	127,114	58	628	650	650	127,114	111,896	4	143	0	0	58	19
20	2572.51	252,051	127,076	64	650	677	677	127,076	111,858	5	158	0	0	22	20
21	2572.64	253,039	127,574	3	734	1,237	1,237	127,574	112,356	0	123	0	0	0	21
22	2573.38	258,700	130,428	37	716	3,609	3,609	130,428	115,210	3	128	0	0	0	22
23	2573.67	260,938	131,556	25	677	1,831	1,831	131,556	116,338	2	127	0	0	0	23
24	2573.80	261,944	132,064	19	652	1,181	1,181	132,064	116,846	1	102	0	0	0	24
25	2573.80	261,944	132,064	10	876	888	877	132,053	116,835	1	93	0	0	0	25
26	2573.61	260,474	131,322	22	1,573	854	813	131,270	116,052	1	182	0	0	0	26
27	2573.29	258,007	130,079	37	1,902	698	724	130,053	114,835	3	171	0	0	0	27
28	2572.90	255,020	128,573	55	2,071	621	647	128,573	113,355	4	120	0	0	0	28
29	2572.56	252,431	127,267	19	2,073	788	788	127,267	112,049	1	85	0	0	0	29
30	2572.18	249,556	125,818	9	2,064	625	625	125,818	110,600	1	52	0	0	0	30
<b>TOTAL SECOND FOOT DAYS</b>				1,035	22,789	20,622	20,622	125,818	110,600	73	3,012	0	0	1,487	
<b>TOTAL ACRE-FEET</b>				2,053	45,201	40,903	40,903	249,556	219,372	145	5,974	0	0	2,949	

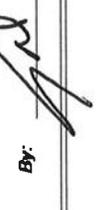
By: 

Date: December 19, 1996

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	RESERVOIR STORAGE	LOSS	STORAGE	AT 1ST POINT	FLOW			ENT'L AT 1ST POINT	RESERVOIR STORAGE	LOSS	STORAGE	AT 1ST POINT	FLOW ABOVE 1ST PT.			ENT'L AT 1ST POINT	RESERVOIR STORAGE	LOSS	STORAGE	AT 1ST POINT			
			KERN VALLEY	LAKE MING COURSE	VALLEY GOLF						VIA KDW	VIA CWD	VIA AT 2ND POINT						OLCESE	WATER	CARMEL						FOR	OLCESE	WD
1	353	165	1	0	0	0	25	58,551	0	0	0	0	0	16	38,907	0	0	0	0	144	2	7	16,397	0	0	0	0		
2	330	237	1	0	0	0	23	58,620	0	0	0	0	0	14	38,861	0	0	0	0	47	1	6	16,343	0	0	0	0		
3	324	260	1	0	0	0	23	58,660	0	0	0	0	0	14	38,815	0	0	0	0	48	1	6	16,288	0	0	0	0		
4	311	260	1	0	0	0	17	58,693	0	0	0	0	0	10	38,773	0	0	0	0	53	1	4	16,230	0	0	0	0		
5	282	245	1	0	0	0	22	58,717	0	0	0	0	0	13	38,743	0	0	0	0	57	1	5	16,167	0	0	0	0		
6	284	255	0	0	0	0	15	58,731	0	0	0	0	0	9	38,702	0	0	0	0	51	2	4	16,110	0	0	0	0		
7	306	318	1	0	0	0	10	58,708	0	0	0	0	0	6	38,664	0	0	0	0	61	1	3	16,045	0	0	0	0		
8	309	296	1	0	0	0	25	58,695	0	0	0	0	0	15	38,537	0	0	0	0	47	1	6	15,991	0	0	0	0		
9	311	308	1	0	0	0	33	58,664	0	0	0	0	0	21	38,363	0	0	0	0	46	1	8	15,936	0	0	0	0		
10	289	271	1	0	0	0	28	58,653	0	0	0	0	0	17	38,176	0	0	0	0	56	1	7	15,872	0	0	0	0		
11	286	272	0	0	0	0	20	58,647	0	0	0	0	0	12	37,975	0	0	0	0	52	1	5	15,814	0	0	0	0		
12	300	304	1	0	0	0	20	58,622	0	0	0	0	0	12	37,794	0	0	0	0	49	1	5	15,759	0	0	0	0		
13	311	310	1	0	0	0	22	58,600	0	0	0	0	0	13	37,626	0	0	0	0	46	1	5	15,707	0	0	0	0		
14	308	300	1	0	0	0	23	58,584	0	0	0	0	0	14	37,464	0	0	0	0	52	1	6	15,648	0	0	0	0		
15	293	273	0	0	0	0	19	58,585	0	0	0	0	0	11	37,299	0	0	0	0	52	2	4	15,590	0	0	0	0		
16	290	293	1	0	0	0	22	58,559	0	0	0	0	0	13	37,120	0	0	0	0	43	1	5	15,541	0	0	0	0		
17	298	294	1	0	0	0	10	58,552	0	0	0	0	0	6	36,929	0	0	0	0	39	1	2	15,499	0	0	0	0		
18	824	299	0	0	0	0	16	59,061	0	0	0	0	0	10	36,739	0	0	0	0	47	1	4	15,447	0	0	0	0		
19	1,297	340	1	0	0	0	19	59,998	0	0	0	0	0	11	36,545	0	0	0	0	51	1	4	15,391	0	0	0	0		
20	650	400	1	0	0	0	32	60,215	0	0	0	0	0	19	36,351	0	0	0	0	53	1	7	15,330	0	0	0	0		
21	677	414	0	0	0	0	36	60,442	0	0	0	0	0	20	36,141	0	0	0	0	46	1	8	15,275	0	0	0	0		
22	1,237	539	1	0	0	0	2	61,137	0	0	0	0	0	1	35,984	0	0	0	0	39	1	0	15,235	0	0	0	0		
23	2,938	517	1	0	0	0	20	63,537	671	0	0	0	0	12	36,481	0	0	0	0	37	1	5	15,192	0	0	0	0		
24	1,726	490	0	0	0	0	14	64,759	105	0	0	0	0	8	36,417	0	0	0	0	26	1	3	15,162	0	0	0	0		
25	1,181	474	1	0	0	0	11	65,454	0	0	0	0	0	6	36,260	0	0	0	0	27	1	2	15,132	0	0	0	0		
26	877	699	1	0	0	0	6	65,625	0	0	0	0	0	3	36,116	0	0	0	0	36	1	1	15,094	0	0	0	0		
27	813	1,279	0	0	0	0	12	65,147	0	0	0	0	0	7	35,850	0	0	0	0	35	1	3	15,055	0	0	0	0		
28	724	1,646	1	0	0	0	22	64,202	0	0	0	0	0	11	35,618	0	0	0	0	35	1	4	15,015	0	0	0	0		
29	647	1,864	0	0	0	0	31	62,954	0	0	0	0	0	17	35,432	0	0	0	0	38	1	7	14,969	0	0	0	0		
30	788	1,911	1	0	0	0	11	61,819	0	0	0	0	0	6	35,292	0	0	0	0	28	1	2	14,938	0	0	0	0		
31	625	1,929	0	0	0	0	5	60,510	0	0	0	0	0	3	35,188	0	0	0	0	34	1	1	14,902	0	0	0	0		
S.F.D.	19,846	17,297	21	0	0	0	569	60,510	776	0	0	0	0	334	35,188	0	0	0	0	1,331	32	132	14,902	S.F.D.	14,902	S.F.D.	14,902	S.F.D.	
AC.FT.	39,364	34,307	42	0	0	0	1,129	120,020	1,539	0	0	0	0	662	69,794	0	0	0	0	2,640	63	262	29,558	AC.FT.	29,558	AC.FT.	29,558	AC.FT.	
TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS										TOTAL ACRE-FOOT STORAGE DAYS									
3,596,329										2,210,091										925,640									



DAY	ELEVATION (FEET)	ISABELLA		RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	RIO BRAVO POWER CANAL DRAINAGE	PT. - RIO BRAVO DRAINAGE-RIO BRAVO REFILL	COMPUTED NATURAL FLOW	MEAN TOTAL	STORAGE		KERN RECREATION POOL-LOSS	SECOND POINT GROUP FLOW		FRONT-KERN INFLOW	DAY	
		ACRE-FEET	S.F.D.	IRRIGATION	Dead Storage								RIVER	KERN		AT 2ND POINT	FRONT-KERN			
Previous Day	2572.18	249,556	125,818	9	2,064	1	0	0	0	625	625	125,818	110,600	1	52	0	0	0	0	1
1	2571.77	248,474	124,264	49	2,077	1	0	0	0	573	573	124,264	108,046	4	52	0	0	0	0	2
2	2571.60	245,203	123,623	15	1,430	0	0	0	0	804	743	123,562	108,344	1	14	0	0	0	0	3
3	2571.59	245,128	123,585	12	647	1	0	0	0	622	656	123,558	108,340	1	0	0	0	0	0	4
4	2571.57	244,979	123,510	26	591	0	0	0	0	542	603	123,544	108,326	2	0	0	0	0	0	5
5	2571.58	245,054	123,548	20	586	1	0	0	0	645	661	123,598	108,380	1	0	0	0	0	0	6
6	2571.67	245,726	123,887	35	421	0	0	0	0	795	705	123,847	108,629	3	0	0	0	0	0	7
7	2571.77	246,474	124,264	12	311	1	25	0	0	676	664	124,212	108,994	1	0	0	0	0	0	8
8	2571.82	246,849	124,453	18	317	0	3	0	0	521	573	124,453	109,235	1	0	0	0	0	0	9
9	2571.87	247,224	124,642	9	683	1	0	0	0	882	882	124,642	109,424	1	0	0	0	0	0	10
10	2572.11	249,028	125,552	3	743	0	0	0	0	1,656	1,656	125,552	110,334	0	0	0	0	0	0	11
11	2573.38	258,700	130,428	6	958	1	0	0	0	5,841	5,841	130,428	115,210	0	0	0	0	0	0	12
12	2573.85	262,332	132,259	6	1,435	0	0	0	0	3,272	3,272	132,259	117,041	0	117	0	0	0	0	13
13	2573.93	262,954	132,573	33	1,894	1	0	0	0	2,242	2,242	132,573	117,355	2	209	0	0	0	0	14
14	2573.83	262,177	132,181	27	2,082	0	0	0	0	1,687	1,614	132,108	116,890	2	180	0	0	0	0	15
15	2573.66	260,861	131,517	39	2,073	1	0	20	0	1,469	1,469	131,444	116,226	3	174	0	0	0	0	16
16	2573.43	259,085	130,622	18	2,119	0	0	8	0	1,250	1,273	130,572	115,354	1	190	0	0	0	0	17
17	2573.13	256,779	129,459	39	2,223	1	0	0	0	1,100	1,149	129,458	114,240	3	164	0	0	0	0	18
18	2572.81	254,333	128,226	21	2,310	0	0	0	0	1,098	1,062	128,189	112,971	1	166	0	0	0	0	19
19	2572.45	251,597	126,847	18	2,350	0	0	0	0	989	1,004	126,825	111,607	1	171	0	0	0	0	20
20	2572.07	248,726	125,399	26	2,345	1	0	0	0	924	964	125,417	110,199	2	111	0	0	0	0	21
21	2571.75	246,326	124,189	3	2,184	1	0	0	0	978	960	124,189	108,971	0	79	0	0	0	0	22
22	2571.75	246,326	124,189	23	1,673	0	0	0	0	1,696	1,696	124,189	108,971	2	57	0	0	0	0	23
23	2571.83	246,924	124,491	18	1,012	1	0	0	0	1,333	1,333	124,491	109,273	1	55	0	0	0	0	24
24	2571.83	246,924	124,491	15	1,030	0	0	0	0	1,045	1,050	124,496	109,278	1	53	0	0	0	0	25
25	2571.84	246,999	124,529	18	1,004	0	0	0	0	1,060	1,027	124,501	109,283	1	53	0	0	0	0	26
26	2571.83	246,924	124,491	3	1,011	1	0	0	0	977	1,005	124,491	109,273	0	53	0	0	0	0	27
27	2572.10	248,953	125,514	32	1,088	0	0	0	0	2,143	2,143	125,514	110,296	2	51	0	0	0	0	28
28	2572.33	250,688	126,389	15	1,082	0	0	0	0	1,972	1,972	126,389	111,171	1	51	0	0	0	0	29
29	2572.41	251,294	126,694	9	1,068	1	0	0	0	1,383	1,383	126,694	111,476	1	51	0	0	0	0	30
30	2572.53	252,203	127,152	3	1,137	0	0	0	0	1,598	1,598	127,152	111,934	0	58	0	0	0	0	31
31	2572.61	252,811	127,459	3	1,496	0	0	0	0	1,806	1,806	127,459	112,241	0	63	0	0	0	0	32
TOTAL SECOND FOOT DAYS				574	41,350	14	28	28	43,579	43,579	43,579	112,241	222,627	39	2,172	0	0	0	0	0
TOTAL ACRE-FEET				1,139	82,016	28	55	55	86,438	86,438	86,438	252,811	4,308	77	4,308	0	0	0	0	0

By:  Date: January 21, 1997

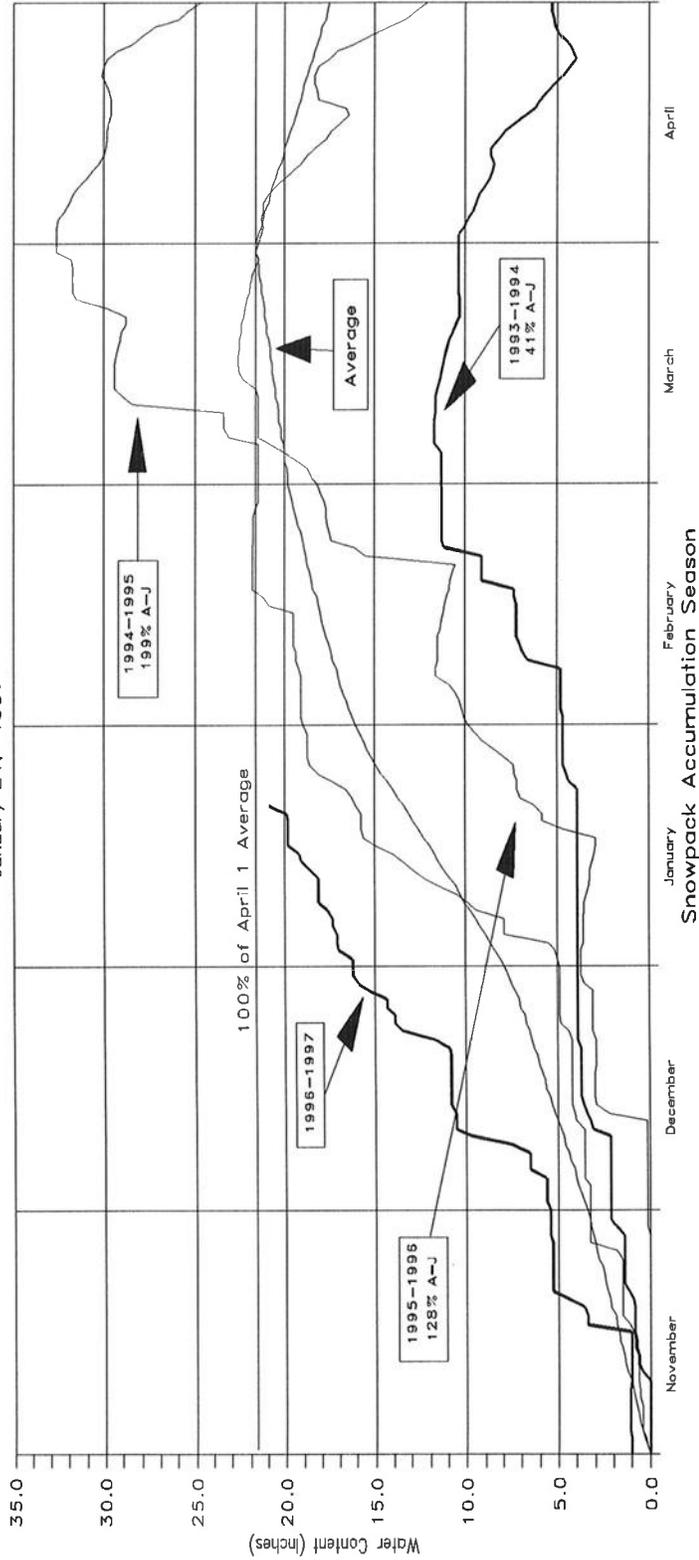


WATERMASTER NOTES \*\*\* KERN RIVER BULLETIN

MONTH	DAY(S)	PAGE NO.	TITLE OF COLUMN	COMMENT
December	7	1	RIO BRAVO POWER CANAL	Reflects discharge to and diversion from Kern River as a result of Rio Bravo Power Canal drainage and refill operations as per terms of NORTH KERN WATER STORAGE DISTRICT/ Olcese Water District letter agreement dated December 10, 1996.
December	31	2	NKWSO RESERVOIR STORAGE BWSD RESERVOIR STORAGE HACIENDA WD RESERVOIR STORAGE	Reflects transfer of 10 acre-feet (5 s.f.d.) from HACIENDA WATER DISTRICT to NORTH KERN WATER STORAGE DISTRICT and 4 acre-feet (2 s.f.d.) from HACIENDA WATER DISTRICT to BUENA VISTA WATER STORAGE DISTRICT as compensation for additional evaporation of Kern River water due to Rio Bravo Power Plant operations during calendar year. 1996 pursuant to terms of May 14, 1986 Memorandum of Understanding between Olcese WD and Kern River interests. (Total of 14 acre-feet of additional evaporation; shared 75% NKWSO & 25% BWSD)

KERN RIVER BASIN SNOWPACK ACCUMULATION  
EIGHT SENSOR INDEX

January 21, 1997



Snowpack Accumulation Season



# CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

DATE: January 1996 Recap

COMPUTED NATURAL FLOW AT FIRST POINT... 40304  
 LESS NON-CONTRIBUTING CANALS..... 18446  
 FOR OTHERS AND FIRST POINT CANALS..... 27858  
 TO BE CONTRIBUTED BY OTHER CANALS..... 960  
 TO BE USED BY OTHER CANALS..... 20898  
 EACH OTHER CANAL TO RECEIVE..... N/A

## QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.569%)... 14  
 B.V.W.S.D. ENTITLEMENT..... 270  
 SEEPAGE LOSS..... 676  
 KERN RIVER CONDUIT ENTITLEMENT..... 0  
 HACIENDA W.D. ENTITLEMENT AT FIRST POINT..... 0  
 TOTAL..... 960

% OF ITS DIVERSION RIGHT

RIVER STAGE	DIVERSION RIGHT		GROSS DIVR	GROSS ENTL	RELEASES		ENTITLEMENT LESS RELEASES		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR					
	AMT.	NAME OF CANAL			To River	Distrib. Pro	MWSD	KCC&W Co.	MWSD	KCC&W Co.	FLUS	LESS	MWSD	KCC&W Co.	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT
300.0	300	K.C.L. Co. ENTL @ 2ND PT. (1-ST)	5915	18446	14		6163		405	173			6147			16	2500	16	0	2500	
		EASTSIDE	583						563												
320.0	20	KERN RIVER CONDUIT		307																	
		CASTRO		861		62															
		KCC&W Co.		589			1230														
330.5	10.5	SOUTH FORK	16	615				16													
410.5	80	BUENA VISTA (1-ST)	829	4665			1152		5669	405				527	6	4327	24	756	3547		
500.5	120	JAMES (1-ST)		4764		2614										1287	15742	103	2	16924	
500.5	20	ANDERSON (1-ST)		619		611										0	600	0	0	600	
700.5	150	STONE (1-ST)	1220	3910		3308		1903								10	1500	10	0	1500	
790.5	30	MEACHAM		617		1228		1945								10	1500	10	0	1500	
800.5	150	FARMERS	341	1583		1528		353								10	1500	10	0	1500	
820.5	40	FLUNKET		232		2227		2459								10	1500	10	0	1500	
880.5	40	JOYCE		228		2176		2404													
1000.5	40	JOHNSON		228		1702		1930													
1130.5	130	PIONEER (1-ST)		605		4151		4756													
1190.5	60	BEARDSLEY (1-ST)		224		1323		1547													
		LERDO (MKWSD)	10977						81	5669	10776	54	113			2138	15059	97	0	17100	
1200.5	10	ANDERSON (2-ND)		38		220		258								8598	65044	419	14	73209	
1240.5	40	JAMES & DIXON		151		653		804													
1290.5	10	WILSON		22		71		157													
		KCC&W Co.		16		48															
1276.5	26	McCAFFREY		99		246		345													
		McCORD		66		236		302													
1376.5	100	BEARDSLEY 70%		155		549		587													
		CALLOWAY CENTRAL 20%		198		383		587													
2296.5	650	MKWSD 80%	725	795		2326		20													
		KCC&W Co. 20%		20		81		81													
2466.5	200	MKWSD 60%																			
2516.5	90	BUENA VISTA (2-ND)																			
2896.5	180	JAMES (2-ND)																			
2896.5	170	PIONEER (2-ND)																			
3106.5	240	BEARDSLEY (3-RD)																			
3162.5	56	KERN ISLAND (2-ND)																			
		ROSEDALE RRWSD	5268																		
		TRUTLUM LAKES	161																		
		LAKE MING																			
		KERN VALLEY GOLF COURSE																			
		L. HACIENDA, INC.																			
		BIVWSD FOR/DA																			
		KERN DELTA W.D. STATE WATER																			
		BIVWSD UNSTORABLE FLOW																			
		ROSEDALE RANCH/D																			
<b>TOTALS</b>			47	26811	39558	21231	21231	0	26132	1986	6971	2267	7133	7133	81	11530	6089	8537	129	1154	352
<b>LOSS</b>			47	2163	676																1506
<b>FLOW AT FIRST POINT</b>			47	28994	40034																

**TOTAL CHANGE** = 10608  
**IN STORAGE** = 10608

NOTES:  
 Kern Island Exch. Less: State Water = 173  
 Kern Island Exch. Plus: to City = 405  
 Eastside Exch. Less: State Water = 589  
 Lerdo (MKWSD): City to CWD (Misc.) = 54  
 Lerdo Exch. Less: MKWSD to City (B/P) = 5669  
 Lerdo (MKWSD) - Other: KRC&I Entl = 113  
 RRBWSD: City to RRBWSD = 5268

Cally (Central): City to K-TWD = 482  
 Cally (Central): City to RGWD = 72  
 River Loss: City to K-TWD = 135  
 River Loss: City to RGWD = 20  
 BIVWSD for ID4: Cally Exch. Less = 222

# CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

DATE: February 1996 Recap

98549  
17256  
81293  
11038  
70255  
N/A

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%).... 474  
B.V.W.S.D. ENTITLEMENT..... 9931  
SEEPAGE LOSS..... 633  
KERN RIVER CONDUIT ENTITLEMENT..... 0  
HACIENDA W.D. ENTITLEMENT AT FIRST POINT..... 0  
TOTAL..... 11038

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

% OF ITS DIVERSION RIGHT

RIVER STAGE	DIVERSION RIGHT	GROSS DIVR	GROSS ENTL	To River	RELEASES		ENTITLEMENT LESS RELEASES			EXCHANGES, SALES OR PURCHASES			NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR			
					AMT.	NAME OF CANAL	ENTL	ENTL	DIVR	ENTL	ENTL	ENTL	ENTL	ENTL	ENTL	ENTL	ENTL	ENTL	ENTL	ENTL	ENTL
300.0	K.C.L. Co. ENTL @ 2ND PT.	5641	18012	3619	143	446	28	14536	254	478	5387	9609	2500	24	0	12085	0	3547	11	3536	0
320.0	EASTSIDE	478																			
330.0	KERN RIVER CONDUIT																				
340.0	CASTRO		300		36	4	1205														
350.5	KCC&W Co.		865																		
360.5	SOUTH FORK		597		283																
370.5	BUENA VISTA (1-ST)	746	4645	1192				314													
380.5	JAMES (1-ST)	6956			250	28	5006	1428													
390.5	ANDERSON (1-ST)	914	1164	3111	36	4	966	238													
400.5	STINE		8642		186	6	1394	413													
410.5	MEACHAM		1615		91			5109													
420.5	FARMERS	837	7616	2588	569	10	1857	555													
430.5	FLUNKET		1833		817	10	1857	555													
440.5	JOYCE		1585		893	10	1857	555													
450.5	JOHNSON		1509		3151	28	5658	1805													
460.5	PIONEER (1-ST)	81	4284		28	20		1718													
470.5	BEARDSLEY (1-ST)	17171	1726	28																	
480.5	LEDOO (NKWSD)				212	2	365	139													
490.5	ANDERSON (2-ND)		290		795	8	1402	555													
500.5	JAMES & DIXON		1154		105	2															
510.5	WILSON		173		85			464													
520.5	KCC&W Co.		99		442	6	785	361													
530.5	McCAFFREY		698		518	6	831	417													
540.5	McCORM		724		182	213		1479													
550.5	BEARDSLEY 70%		1692		520	36	3261														
560.5	CALLOWAY CENTRAL 20%	807	2705		2085	147	8571	4481													
570.5	NKWSD 80%	1242	10920		8		361														
580.5	KCC&W Co. 20%		353		36		1949	97													
590.5	NKWSD 80%		1410		40		1056	462													
600.5	BUENA VISTA (2-ND)	738	297		36		0	1432													
610.5	JAMES (2-ND)	1478																			
620.5	PIONEER (2-ND)	1396																			
630.5	BEARDSLEY (3-RD)	1972	40					1932													
640.5	KERN ISLAND (2-ND)	460	460					460													
650.5	ROSEDALE BKWSD	1759							6												
660.5	TRUXTUN LAKES	206																			
670.5	LAKE MING		206																		
680.5	L <sup>a</sup> HACIENDA, INC.																				
690.5	2800 ACRE BANKING	1687																			
700.5	BUENA VISTA WSD TO 2800 AC.																				
710.5	KERN DELTA W.D. STATE WATER																				
720.5	CITY TRANSFER TO BKWSD																				
730.5	BKWSD UNSTORABLE FLOW																				
740.5	ROSEDALE RANCH/LID																				
TOTALS		46	31549	87965	11381	10811	570	34200	18812	29530	5443	9525	16283	4413	7884	1537	1026	378	1404		
FLOW AT FIRST POINT		46	2035	633																	
LOSS			33584	88618																	

TOTAL CHANGE IN STORAGE = 52588

NOTES:

Kern Island Exch. Less: State Water = 254  
Eastside Exch. Less: State Water = 478  
Lerdo (NKWSD): City to NKWSD (Misc.) = 323  
KCC&W Co. Exch. Less: for NKWSD (Misc.) = 5153  
Lerdo (NKWSD): City to CWD (Misc.) = 252  
Lerdo (NKWSD) - Other: KRC&I Ent'l = 1456  
RRBWSO: City to RRBWSO = 1765  
City to CWD (Misc.): 2800 Banking = 601  
Storm Relief Water: City to ID#4 = 397  
Cally: (Central): City to K-TWD (Misc.) = 248  
Cally: (Central): City to RGWD (Misc.) = 37  
River Loss: City to K-TWD (Misc.) = 77  
River Loss: City to RGWD (Misc.) = 12  
NKWSD/KCC&W Co. Ent'l: Reflects NKWSD release to City (in excess of Maximum Diversion Right)  
NKWSD Ent'l (James 2nd): Reflects release to privates due to inability to divert natural flow entitlement...  
NKWSD Ent'l (Pioneer 2nd): Reflects release to privates due to inability to divert natural flow ent'l...  
City transfer to BWSD reflects transfer of State Exch. water from City to BWSD on behalf of Kern Delta W.D.



# CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

DATE: April 1996 Recap

COMPUTED NATURAL FLOW AT FIRST POINT... 147959  
 LESS NOW - CONTRIBUTING CANALS..... 17851  
 FOR OTHERS AND FIRST POINT CANALS..... 130108  
 TO BE CONTRIBUTED BY OTHER CANALS..... 70777  
 TO BE USED BY OTHER CANALS..... 59331  
 EACH OTHER CANAL TO RECEIVE..... N/A

QUANTITIES IN: ACRE- FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%).... 2097  
 B.V.W.S.D. ENTITLEMENT..... 43769  
 SEEPAGE LOSS..... 655  
 KERN RIVER CONDUIT ENTITLEMENT..... 24256  
 HACIENDA W.D. ENTITLEMENT AT FIRST POINT..... 0  
 TOTAL..... 70777

RIVER STAGE	DIVERSION RIGHT		GROSS DIVR	GROSS ENTL	RELEASES		ENTITLEMENT LESS RELEASES		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR				
	AMT.	NAME OF CANAL			To River	Distribution	MWSD	KCC&W Co.	KDWD	OTHER	FLUS	LESS	MWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	PREVIOUS BALANCE	LOSS
300.0	300	K.C.L. Co. ENTL @ 2ND PT.	2097	2097	4922	2097	12929	809	11116	1615	11116	1615	722	427	363	15000	198	165	15000	
300.0	20	EASTSIDE	24256	24256	4922	24256	1190	842	83	17946	44705	722	0	61329	532	1178	0	1710		
330.5	10.5	SOUTH FORK	426	426	324	426	4367	625	1226	4026	4441	81	0	8386	2135	6972	107	0	9000	
410.5	80	BUENA VISTA (1-ST)	301	301	2164	301	1640	1561	79	6000	79	0	6000	79	0	6000	79	0	6000	
500.5	120	JAMES (1-ST)	3344	3344	2986	3344	4622	2487	297	2288	21723	297	0	23714	25129	106836	1547	0	130418	
590.5	20	ANDERSON (1-ST)	553	553	432	553	1672	1143	1470	51898	206855	3031	165	255557	51898	206855	3031	165	255557	
700.5	150	STINE	4175	4175	139	4175	1252	290	1113	290	1113	290	1113	290	1113	290	1113	290	1113	
730.5	30	MESCHAM	841	841	139	841	1252	730	837	1954	1954	155	479	609	809	155	479	609	809	
800.5	150	FARMERS	4175	4175	139	4175	1252	730	837	1954	1954	155	479	609	809	155	479	609	809	
900.5	40	FLUNKET	1113	1113	139	1113	1252	730	837	1954	1954	155	479	609	809	155	479	609	809	
960.5	40	JOYCE	1113	1113	139	1113	1252	730	837	1954	1954	155	479	609	809	155	479	609	809	
1000.5	40	JOHNSON	1113	1113	139	1113	1252	730	837	1954	1954	155	479	609	809	155	479	609	809	
1130.5	130	PIONEER (1-ST)	3618	3618	263	3618	3991	1672	1143	1470	1470	1143	1470	1470	1470	1470	1470	1470	1470	
1180.5	60	BEARDSLEY (1-ST)	1670	1670	2	1670	2	290	1113	290	1113	290	1113	290	1113	290	1113	290	1113	
1200.5	10	ANDERSON (2-ND)	290	290	1113	290	1113	290	1113	290	1113	290	1113	290	1113	290	1113	290	1113	
1240.5	40	JAMES & DIXON	1113	1113	171	1113	171	1113	171	1113	171	1113	171	1113	171	1113	171	1113	171	
1260.5	10	WILSON	171	171	119	171	119	171	119	171	119	171	119	171	119	171	119	171	119	
1276.5	26	McCAFFREY	730	730	837	730	837	730	837	730	837	730	837	730	837	730	837	730	837	
1376.5	100	BEARDSLEY 70%	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	1954	
2236.5	850	CALLOWAY CENTRAL	4396	4396	2610	4396	17562	17562	2455	479	479	479	479	479	479	479	479	479	479	
2436.5	200	RAILROAD	542	542	542	542	542	542	542	542	542	542	542	542	542	542	542	542	542	
2516.5	90	BUENA VISTA (2-ND)	865	865	865	865	865	865	865	865	865	865	865	865	865	865	865	865	865	
2696.5	180	JAMES (2-ND)	1335	1335	912	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	1335	
2866.5	170	PIONEER (2-ND)	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	912	
3106.5	240	BEARDSLEY (3-RD)	1275	1275	254	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	1275	
3162.5	56	KERN ISLAND (2-ND)	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	254	
ROSEDALE RWISD																				
TRUXTUN LAKES																				
LAKE MING																				
KERN VALLEY GOLF COURSE																				
2800 ACRE BANKING																				
BIVMSD MA KDWD																				
BUENA VISTA WSD TO 2800 AC.																				
BIVMSD FOR ID4																				
BIVMSD FOR OLCESE WD																				
TOTALS																				
TOTALS		139	52201	103535	8068	8068	0	42892	30674	24443	5526	3502	9008	17763	11700	18005	2706	1216	906	
FLOW AT FIRST POINT		139	2777	655	LOSS		104190													

NOTES:  
 Kern Island Exch. Less: from BIVMSD = 809  
 Eastside Exch. Less: from BIVMSD = 722  
 Buena Vista Exch. Plus: via NKWSD = 842  
 Lerdo (NKWSD): City to CWD (Basic) = 4730  
 Lerdo (NKWSD): City to CWD (Misc.) = 2077  
 Lerdo (NKWSD) - Other: KRC&L Entl = 1470  
 City to CWD (Misc.): 2800 Banking = 98  
 Cally (Central): City to K-TWD = 2154  
 Cally (Central): City to RGWD = 301  
 Troutun Lakes: City to K-TWD = 653  
 Troutun Lakes: City to RGWD = 91  
 River Loss: City to K-TWD = 414  
 River Loss: City to RGWD = 65  
 Beardsley: City to K-TWD = 236  
 Beardsley: City to RGWD = 61  
 BIVMSD for ID4: Cally Exch. Less = 155  
 BIVMSD for ID4: River Loss = 494

TOTAL CHANGE IN STORAGE = 48702

# CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

DATE: May 1996 Recap

COMPUTED NATURAL FLOW AT FIRST POINT... 225987  
 LESS NON-CONTRIBUTING CANALS... 18446  
 FOR OTHERS AND FIRST POINT CANALS... 207541  
 TO BE CONTRIBUTED BY OTHER CANALS... 112310  
 TO BE USED BY OTHER CANALS... 95231  
 EACH OTHER CANAL TO RECEIVE... N/A

QUANTITIES IN: ACRE- FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)... 3648  
 B.V.W.S.D. ENTITLEMENT... 76312  
 SEEPAGE LOSS... 676  
 KERN RIVER CONDUIT ENTITLEMENT... 31874  
 HACIENDA W.D. ENTITLEMENT AT FIRST POINT... 0  
 TOTAL... 112310

% OF ITS DIVERSION RIGHT

RIVER STAGE	DIVERSION RIGHT		GROSS DIV'Y	GROSS ENT'L	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS		WATER TRANS. LOSS		ISABELLA RESERVOIR				
	AMT.	NAME OF CANAL			To River	Divert	Pro	DKWD	OTHER	PLUS	LESS	DKWD	OTHER	DKWD	PRO	PREVIOUS BALANCE	LOSS	CURRENT BALANCE	
300.0	300	K.C.L. Co. ENT'L @ 2ND PT. (1-ST)	3846	3846		2775	873	18446		1148	15880			2770	15000	272	908	16590	
		EASTSIDE	3211	3211						1016	2195								
320.0	20	CASTRO	180	180	127		31674												
		KCC&W Co.	510	510	413		1230												
330.5	10.5	SOUTH FORK	56	365	280			645											
410.5	80	BUENA VISTA (1-ST)	3650	2781	12	861		3630		756	2894		6471	23279	61329	1172	945	82491	
530.5	120	JAMES (1-ST)	2267	4173	2659		2145			1710	557			589	1710		0	2299	
550.5	20	ANDERSON (1-ST)	690	5223	339		315							2785	8386	171	0	11000	
700.5	150	STINE	3378	5223	351		353			182	3196			142	9000	151	26	8965	
730.5	30	MEACHAM	1043	1043				1983		238	1882			101	6000	101	0	6000	
850.5	150	FARMERS	5223	2120	3240														
880.5	40	FLUNKET	1398	1398	343		444												
960.5	40	JOYCE	1398	1398	173		417												
1000.5	40	JOHNSON	1398	1398	127		417												
1130.5	130	PIONEER (1-ST)	3346	4520	297		1342			1208	2140			6589	23714	452	0	29851	
1190.5	60	BEARDSLEY (1-ST)	2162	2087	110			2197		4247	6400			25080	130418	2396	13541	139561	
		LERDO (NKWSD)	37568																
1200.5	10	ANDERSON (2-ND)	353	353	18		119												
1240.5	40	JAMES & DIXON	1398	1398	48		458												
1260.5	10	WILSON	222	222	4														
1276.5	26	McCAFFREY	131	903	24		635												
1376.5	100	BEARDSLEY 70%	2434	2434	12		339			2464									
2236.5	650	CALLOWAY CENTRAL 20%	5412	5003	30		5003												
		RAILROAD (KCC&W Co. 20%)	11808	1398			15971				11808								
2426.5	200	BUENA VISTA (2-ND)	3110	5560			1799												
2516.5	50	PIONEER (2-ND)	5330	4812			2049												
2686.5	170	PIONEER (3-RD)	6541	6541			817												
3108.5	240	BEARDSLEY (3-RD)	1491	1491															
3182.5		ROSEDALE RIVSD	11921	148999															
		TRUKTUN LAKES	567	567															
		KERN VALLEY GOLF COURSE	208	8953						8953									
		COUNTY OF KERN	208	8953															
		2800 ACRE BANKING	8953	8953															
		BUENA VISTA WSD TO 2800 AC.																	
		BIWSD MA / FOR KDWD																	
		BIWSD FOR CAMELO WD																	
		BIWSD FOR IDA																	
		BIWSD FOR OLCESE WD																	
		BOSWELL TURNOUT	242	454															
		PIONEER CENTRAL	3739	3739															
		PIONEER NORTH	395	395															
		KWB AT SECOND POINT																	
		ROSEDALE RANCHED	329	118466	6224	8224	0	46600	59441	30911	11847	24009	22210	35261	26047	4669	8278	0	
		TOTALS	329	118466	148999	6224	8224	0	46600	59441	30911	11847	24009	22210	35261	26047	4669	8278	0
		FLOW AT FIRST POINT	329	127440	149875														
		LOSS		8954	676														

NOTES:  
 Kern Island Exch. Less: from BWSD = 1148  
 Eastside Exch. Less: from BWSD = 1016  
 Buena Vista Exch. Less: from BWSD = 756  
 Stine Exch. Less: from BWSD = 182  
 Farmers Exch. Less: from BWSD = 238  
 Lerdo (NKWSD): City to CWD (Basic) = 6400  
 Lerdo Exch. Less: BWSD via CWD = 4247  
 Lerdo (NKWSD) - Other: KRC&I Ent'l = 3318  
 RRBWSD: City to RRBWSD = 11723  
 RRBWSD: City to Bolthouse = 89  
 RRBWSD: City to RRBWSD (Bolthouse Payback) = 108  
 James: BWSD for KDWD = 1710  
 James: BWSD for KDWD = 123  
 James: City to KCWA (Misc.) = 434  
 Pioneer: City to KWBA (Misc.) = 2140  
 Pioneer: BWSD for IDA = 1206  
 Pioneer: BWSD for KDWD = 454  
 Pioneer North: BWSD for KDWD = 1521  
 Pioneer North: City to KWBA (Misc.) = 2218  
 Boswell Turnout: BWSD for KDWD = 135  
 Boswell Turnout: City to KWBA (Misc.) = 107  
 City for KWBA (Misc.): at 2nd Point = 395  
 BWSD for IDA: Cally. Exch. Less = 422  
 BWSD for IDA: River Loss = 1799  
 Cally. (Central): City to K-TWD = 3675  
 Cally. (Central): City to RGWD = 540  
 Truxtun Lakes: City to K-TWD (504): City to RGWD (63)  
 River Loss: City to K-TWD = 1799  
 Beardsley: City to K-TWD (189): City to RGWD (52)

NKWSD/KCC&W Co. Entitlement: Reflects NKWSD release to City (in excess of Maximum Diversion Right)

# CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

DATE: June 1996 Recap

COMPUTED NATURAL FLOW AT FIRST POINT... 154883  
 LESS NON-CONTRIBUTING CANALS... 17851  
 FOR OTHERS AND FIRST POINT CANALS... 137032  
 TO BE CONTRIBUTED BY OTHER CANALS... 89340  
 TO BE USED BY OTHER CANALS... 47692  
 EACH OTHER CANAL TO RECEIVE... N/A

QUANTITIES IN: ACRE- FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)... 2277  
 B.V.W.S.D. ENTITLEMENT... 47536  
 SEEPAGE LOSS... 655  
 KERN RIVER CONDUIT ENTITLEMENT... 27570  
 HACIENDA W.D. ENTITLEMENT AT FIRST POINT... 11302  
 TOTAL... 89340

RIVER STAGE	DIVERSION RIGHT		GROSS DIVR	GROSS ENTL	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER LOSS		ISABELLA RESERVOIR						
	AMT.	NAME OF CANAL			To River	Distribution Direct Pro	MWSD	KCC&W Co.	KOWD	OTHER	PLUS	LESS	MWSD	KCC&W Co.	KOWD	OTHER	DIVR	PRO	PREVIOUS BALANCE	IN	LOSS	OUT
300.0	300	KERN ISLAND (1-ST)	23777	17851			2277										0	16580	254	7084	9242	
		EASTSIDE																				
		KERN RIVER CONDUIT	3453	27570			27570															
330.0	20	CASTRO		111																		
		KCC&W Co.		307																		
330.5	10.5	SOUTH FORK	89	224																		
410.5	80	BUENA VISTA (1-ST)	5514	1686				224														
530.5	120	JAMES (1-ST)	2932	2535																		
550.5	20	ANDERSON (1-ST)	418	418																		
700.5	150	STINE	4487	3170																		
790.5	30	MEACHAM		635																		
880.5	150	FARMERS	3763	3170																		
890.5	40	FLINKET		847																		
960.5	40	JOYCE		847																		
1000.5	40	JOHNSON		847																		
1130.5	130	PIONEER (1-ST)	2741	2741																		
1190.5	60	BEARDSLEY (1-ST)	2453	1265																		
		LERDO (MWSD)	34999																			
1200.5	10	ANDERSON (2-ND)		216																		
1240.5	40	JAMES & DIXON		845																		
1280.5	10	WILSON		119																		
		KCC&W Co.		93																		
1278.5	26	MACCORD		536																		
		LEBDO 30%		605																		
1376.5	100	BEARDSLEY 70%	5548	1412																		
		CALLOWAY CENTRAL 20%		2902																		
2286.5	650	MWSD 80%	10915	11605																		
		RAILROAD KCC&W Co. 20%		543																		
2428.5	200	MWSD 80%	2158	2158																		
2516.5	90	BUENA VISTA (2-ND)		1162																		
2896.5	180	JAMES (2-ND)		2216																		
2868.5	170	PIONEER (2-ND)		1942																		
3106.5	240	BEARDSLEY (3-RO)		2095																		
3162.5	56	KERN ISLAND (2-ND)		440																		
		ROSEDALE RWSD	10949																			
		TRUXTUN LAKES	726																			
		LAKE MING																				
		KERN VALLEY GOLF COURSE																				
		COUNTY OF KERN	686																			
		2800 ACRE BANKING	6008																			
		BUENA VISTA WSD TO 2800 AC.																				
		BUENA VISTA KOWD																				
		BUENA VISTA WSD TO 2800 AC.																				
		BUENA VISTA KOWD																				
		BUENA VISTA WSD TO 2800 AC.																				
		BUENA VISTA KOWD																				
		BUENA VISTA WSD TO 2800 AC.																				
		BUENA VISTA KOWD																				
		BUENA VISTA WSD TO 2800 AC.																				
		BUENA VISTA KOWD																				
		BUENA VISTA WSD TO 2800 AC.																				
		BUENA VISTA KOWD																				
		BUENA VISTA WSD TO 2800 AC.																				
		BUENA VISTA KOWD																				
		BUENA VISTA WSD TO 2800 AC.																				
		BUENA VISTA KOWD																				
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		BUENA VISTA WSD TO 2800 AC.																				
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		BUENA VISTA KOWD																				
		BUENA VISTA WSD TO 2800 AC.																				
		BUENA VISTA KOWD																				
		BUENA VISTA WSD TO 2800 AC.																				
		BUENA VISTA KOWD																				
		BUENA VISTA WSD TO 2																				

# CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

DATE: July 1996 Recap

COMPUTED NATURAL FLOW AT FIRST POINT... 70502  
 LESS NON-CONTRIBUTING CANALS... 18446  
 FOR OTHERS AND FIRST POINT CANALS... 52056  
 TO BE CONTRIBUTED BY OTHER CANALS... 42533  
 TO BE USED BY OTHER CANALS... 9523  
 EACH OTHER CANAL TO RECEIVE... N/A

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)... 791  
 B.V.W.S.D. ENTITLEMENT... 16564  
 SEEPAGE LOSS... 676  
 KERN RIVER CONDUIT ENTITLEMENT... 19525  
 HACIENDA W.D. ENTITLEMENT AT FIRST POINT... 4977  
 TOTAL... 42553

% OF ITS DIVERSION RIGHT

RIVER STAGE	DIVERSION RIGHT		GROSS ENTITL	GROSS DIVYR	To River	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR					
	AMT.	NAME OF CANAL				Direct	Pro	MKWS	KCC&W Co.	KOWD	OTHER	PLUS	LESS	MKWS	KCC&W Co.	KOWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS
300.0	300	K.C.L. Co. ENTIL @ 2ND PT.	791	3342		791		18446			1541		24020			0	9242	130	7791		1321	
		EASTSIDE								1125		2217										
300.0	20	CASTRO	46				184															
		KCC&W Co.	139																			
330.5	10.5	SOUTH FORK	93				93															
410.5	80	BUENA VISTA (1-ST)	710			1069		710														
530.5	120	JAMES (1-ST)	2043			184																
550.5	20	ANDERSON (1-ST)	194																			
700.5	150	STINE	4893			258		1337														
730.5	30	MECHAM	258																			
860.5	150	FARMERS	1337			355		1337														
880.5	40	FLANKE	355			349																
960.5	40	JOYCE	349			343																
1000.5	40	JOHANSON	343			1066																
1130.5	130	PIONEER (1-ST)	1066																			
1190.5	60	BEARDSLEY (1-ST)	2655			73																
		LERDO (MKWS)	35921			306																
1200.5	10	ANDERSON (2-ND)	73			44																
1240.5	40	JAMES & DRON	306			30																
1260.5	10	WILSON	44			182																
		KCC&W Co.	30			203																
1276.5	26	McCAFFREY	182			474																
		McCORD	203			91																
1376.5	100	BEARDSLEY 70%	474			371																
2226.5	850	CALLOWAY CENTRAL 20%	7145																			
		MKWS	10341																			
		RAILROAD KCC&W Co.	371																			
2426.5	200	MKWS 60%																				
2616.5	80	BUENA VISTA (2-ND)																				
2696.5	180	JAMES (2-ND)																				
2866.5	170	PIONEER (2-ND)																				
3106.5	240	BEARDSLEY (3-RD)																				
3182.5	56	KERN ISLAND (2-ND)																				
		ROSDALE RWSD	6270																			
		TRUXTON LAKES	918																			
		LAKE MING																				
		KERN VALLEY GOLF COURSE																				
		COUNTY OF KERN	922																			
		2800 ACRE SPREADING	4235																			
		BVWSD VIA KOWD																				
		BVWSD VIA CAMELO WD																				
		BVWSD FOR ID4																				
		BVWSD FOR OLGESE WD																				
		BVWSD FOR PIONEER BANKING																				
		PIONEER NORTH	3239																			
		HWD TO 2800 ACRES																				
		HACIENDA WD (Transportation Loss)																				
		HWD TO KERN WATER BANK																				
		AFRM - EDISON TURNOUT	13872																			
		ROSDALE RANCH/ID																				
<b>TOTALS</b>			411			0	0	5550	19874	21830	1031	37283	34795	32362	30970	40530	2644	8768	268	9056		
		<b>LOSS</b>																				
<b>FLOW AT FIRST POINT</b>			411																			
			9731																			
			140621																			
			48961																			

TOTAL CHANGE = -70287  
 IN STORAGE =

NOTES:

Kern Island Exch. Less. from BVWSD = 1541  
 Eastside Exch. Less. from BVWSD = 1125  
 Lerdo (MKWS): City to CWD (Basic) = 6400  
 Lerdo (MKWS) - Other: KFC&I Ent'l = 282  
 Lerdo Exch. Plus: City to NKWS (Basic) = 10000  
 City via James: for KCWA (Misc.) = 597  
 RBWSD: City to RBWSD = 6246  
 RBWSD: City to Bolthouse Farms = 24  
 BVWSD for ID4: River Loss = 1604  
 BVWSD for ID4: via A-EWSD T.O. = 5663  
 BVWSD for ID4: 2800 Acres = 137  
 BVWSD for ID4: Pioneer North = 93  
 BVWSD for ID4: Truxtun Lakes = 13  
 BVWSD for ID4: Pioneer North = 3146  
 HWD to Kern Water Bank: 2800 Acres = 2404  
 HWD to Kern Water Bank: River Loss = 894  
 Pioneer Banking: BVWSD via James = 1446  
 A-EWSD T.O.: City to A-EWSD (Misc.) = 2374  
 A-EWSD T.O.: City for RBWSD = 1447  
 A-EWSD T.O.: City for K-TWD (Misc.) = 3815  
 A-EWSD T.O.: City for RGWD (Misc.) = 573  
 Cally. (Central): City to K-TWD = 3950  
 Cally. (Central): City to RGWD = 790  
 Truxtun Lakes: City to K-TWD = 115  
 Truxtun Lakes: City to RGWD = 115  
 Trans. Loss: City for K-TWD (Misc.) = 32  
 Trans. Loss: City for RGWD (Misc.) = 4

# CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

DATE: August 1996 Recap

COMPUTED NATURAL FLOW AT FIRST POINT... 32255  
 LESS NON-CONTRIBUTING CANALS... 18446  
 FOR OTHERS AND FIRST POINT CANALS... 13809  
 TO BE CONTRIBUTED BY OTHER CANALS... 13789  
 TO BE USED BY OTHER CANALS... 20  
 EACH OTHER CANAL TO RECEIVE... N/A  
 % OF ITS DIVERSION RIGHT

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)... 212  
 B.V.W.S.D. ENTITLEMENT... 4389  
 SEEPAGE LOSS... 676  
 KERN RIVER CONDUIT ENTITLEMENT... 8512  
 HACIENDA W.D. ENTITLEMENT AT FIRST POINT... 0  
 TOTAL... 13789

RIVER STAGE	DIVERSION RIGHT		GROSS DIVYR	GROSS ENITL	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR							
	AMT.	NAME OF CANAL			To River	Direct	Pro	MKWSO	KCC&H Co.	KDWD	OTHER	PLUS	LESS	MKWSO	KCC&H Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS	OUT
300.0	300	K.C.L. Co. ENTL @ 2ND PT.	21419	212		212	18446							16637				2201	1321	12	1331	2179	
		KERN ISLAND (1-ST)	2444	0		0	8512							939									
		EASTSIDE		0		0																	
		KERN RIVER CONDUIT		0		0																	
		CASTRO		0		0																	
		KCC&H Co.		0		0																	
300.5	10.5	SOUTH FORK	143	0		0												0	40386	674	25975	13737	
410.5	80	BUENA VISTA (1-ST)	5320	4		4												0	2394		143	2251	
530.5	120	JAMES (1-ST)	2313	6		6												0	3427	30	3182	215	
560.5	20	ANDERSON (1-ST)		0		0																	
700.5	150	STONE	3392	8		8												0	3782	51	3384	347	
730.5	30	MEACHAM		2		2												0					
800.5	150	FARMERS	3499															0					
860.5	40	FLUNKET																0	2404	20	2364	20	
960.5	40	JOYCE																					
1000.5	40	JOHNSON																					
1130.5	130	PIONEER (1-ST)																					
1190.5	60	BEARDSLEY (1-ST)	2398															0	28320	700	1938	25682	
		LEDOO (MKWSO)	31127															4116	121488	2912	23093	99599	
		ANDERSON (2-ND)																					
		JAMES & DIXON																					
		WILSON																					
		KCC&H Co.																					
		McCAFFREY																					
		McCOPD																					
		LEDOO 30%																					
		BEARDSLEY 70%																					
		CALLOWAY CENTRAL 30%	7633																				
		MKWSO 80%	5301																				
		RAILROAD KCC&H Co. 20%																					
		MKWSO 80%																					
		BUENA VISTA (2-ND)																					
		JAMES (2-ND)																					
		PIONEER (2-ND)																					
		BEARDSLEY (3-RD)																					
		KERN ISLAND (2-ND)																					
		ROSDALE BKWSO	5094																				
		TRUXTUN LAKES	1071																				
		LAKE MING																					
		KERN VALLEY GOLF COURSE																					
		COUNTY OF KERN	587																				
		2600 ACRE SPREADING	105																				
		BKWSO VIA KDWD																					
		BKWSO VIA CAWEL O WD																					
		BKWSO FOR ID4																					
		BKWSO FOR OLGESE WD																					
		BKWSO FOR PIONEER BANKING																					
		PIONEER NORTH	60																				
		ARMIN - EDISON TURNOUT	5612																				
		ROSDALE BRANCH ID																					
		TOTALS	404	97518	27190	0	0	220	8512	18458	0	29010	23167	24197	26518	2081	50	6317	203522	4399	61410	144030	
		FLOW AT FIRST POINT	LOSS	9047	676																		
			404	106565	27866																		

TOTAL CHANGE IN STORAGE = -59492

NOTES:  
 Kern Island Exch. Less: from BKWSO = 4782  
 Eastside Exch. Less: from BKWSO = 1505  
 Buena Vista Exch. Less: from BKWSO = 2134  
 Farmers Exch. Less: from BKWSO = 1135  
 Lerdo Exch. Plus: City to NKWSO (Basic) = 5000  
 Lerdo (MKWSO): City to CWD (Basic) = 6400  
 City via James: for KCWA (Misc.) = 964  
 RRBWSD: City to RRBWSD = 4695  
 RRBWSD: City to Balhause Farms = 199  
 BKWSO for ID4: River Loss = 5943  
 BKWSO for ID4: 2800 Acres = 105  
 BKWSO for ID4: Pioneer North = 60  
 BKWSO for ID4: Truxtun Lakes = 32  
 BKWSO for ID4: Cally. Exch. Less = 982  
 Pioneer Banking: BKWSO via James = 1349  
 Lerdo Exch. Less: BKWSO via CWD = 5631  
 A - EWSD T.O.: City for K-TWD (Misc.) = 4881  
 A - EWSD T.O.: City for RGWD (Misc.) = 731  
 Cally. (Central): City for K-TWD = 3930  
 Cally. (Central): City for RGWD = 561  
 Truxtun Lakes: City to K-TWD = 910  
 Truxtun Lakes: City to RGWD = 129  
 Trans. Loss: City for K-TWD (Misc.) = 44  
 Trans. Loss: City for RGWD (Misc.) = 6

# CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

DATE: September 1996 Recap

COMPUTED NATURAL FLOW AT FIRST POINT... 16651  
 LESS NON-CONTRIBUTING CANALS... 15761  
 FOR OTHERS AND FIRST POINT CANALS... 890  
 TO BE CONTRIBUTED BY OTHER CANALS... 655  
 TO BE USED BY OTHER CANALS... 235  
 EACH OTHER CANAL TO RECEIVE... N/A

QUANTITIES IN: ACRE-FEET

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

% OF ITS DIVERSION RIGHT

RIVER STAGE	DIVERSION RIGHT		GROSS DIVYR	GROSS ENTL	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR					
	AMT.	NAME OF CANAL			To River	Distribution	MWSD	KCC&W Co.	MWSD	KCC&W Co.	PLUS	LESS	MWSD	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN	PREVIOUS BALANCE	LOSS
300.0	300	K.C.L. Co. ENTL. @ 2ND PT.	10452	15761	5563		10198			635	1206		9617				456	2179	60	75	2500
		EASTSIDE	1240									34									
		KERN RIVER CONDUIT																			
300.0	20	CASTRO		21		238															
		KCC&W Co.		57		718	1034														
330.5	10.5	SOUTH FORK	65	34		505		539													
410.5	80	BUENA VISTA (1-ST)	2085	123		2933															
530.5	120	JAMES (1-ST)	1817			1169															
550.5	20	ANDERSON (1-ST)																			
700.5	150	STINE	1954																		
730.5	30	MEACHAM																			
800.5	150	FARMERS	1128																		
860.5	40	FLUNKET																			
960.5	40	JOYCE																			
1000.5	40	JOHNSON																			
1130.5	130	PIONEER (1-ST)																			
1190.5	60	BEARDSLEY (1-ST)	1059																		
		LERDO (MWSD)	22977																		
1200.5	10	ANDERSON (2-ND)																			
1240.5	40	JAMES & DIXON																			
1260.5	10	WILSON																			
		KCC&W Co.																			
1276.5	26	McCAFFREY																			
		MACCORD																			
1376.5	100	BEARDSLEY 70%	4945																		
		CALLOWAY CENTRAL	337																		
2226.5	650	MWSD 80%																			
		RAILROAD KCC&W Co. 20%																			
2426.5	200	MWSD 80%																			
2516.5	80	BUENA VISTA (2-ND)																			
2696.5	160	JAMES (2-ND)																			
2866.5	170	PIONEER (2-ND)																			
3106.5	240	BEARDSLEY (3-RD)																			
3162.5	56	KERNISLAND (2-ND)																			
		ROSEDALE RBWSD	1142																		
		TRUKTUN LAKES	843																		
		LAKE MING																			
		KERN VALLEY GOLF COURSE	284																		
		COUNTY OF KERN																			
		BWSD VIA KDWD																			
		BWSD VIA CAWELD WD																			
		BWSD FORIDA																			
		BWSD FOR OLCESE WD																			
		BWSD FOR PIONEER BANKING																			
		CITY to HWD (Trans Loss Assignment)																			
		HACIENDA WD FOR OLCESE WD																			
		ARVIN-ERIDSON TURNOUT	2797																		
		ROSEDALE BRANCH/D																			
<b>TOTALS</b>			319	53125	15996	5563	0	1169	1034	13254	539	30118	22181	14945	3700	11934	781	8637	34	8671	
		<b>LOSS</b>																			
		<b>FLOW AT FIRST POINT</b>	319	62652	16851																

TOTAL CHANGE = -19574

NOTES:

Kern Island Exch. Less: from BWMSD = 635  
 Eastside Exch. Less: from BWMSD = 1206  
 Buena Vista Exch. Less: from BWMSD = 329  
 Stine Exch. Less: from BWMSD = 1613  
 Farmers Exch. Less: from BWMSD = 1109  
 City via James: for KCWA (Misc.) = 667  
 RBWSD: City to RBWMSD = 1059  
 RBWSD: City to Bolthouse Farms = 83  
 BWMSD for ID4: Carrier Loss = 34  
 BWMSD for ID4: River Loss = 7903  
 BWMSD for ID4: Troutun Lakes = 843  
 BWMSD for ID4: Cally. Exch. Less = 4713  
 BWMSD for ID4: A - EWSD T.O. = 2797  
 BWMSD for ID4: via Beardsley = 159  
 BWMSD for CWD: Lerdo Exch. Less = 7325  
 Pioneer Banking: BWMSD via James = 1150

City via Eastside: for KDWD (Misc.) = 34  
 RRID: NKWSD Exch. to RRID = 232

# CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

DATE: October 1996 Recap

COMPUTED NATURAL FLOW AT FIRST POINT..... 15788  
 LESS NON-CONTRIBUTING CANALS..... 14997  
 FOR OTHERS AND FIRST POINT CANALS..... 791  
 TO BE CONTRIBUTED BY OTHER CANALS..... 676  
 TO BE USED BY OTHER CANALS..... 115  
 EACH OTHER CANAL TO RECEIVE..... N/A

QUANTITIES IN: ACRE-FEET

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

RIVER STAGE	DIVERSION RIGHT	GROSS DIVR	GROSS ENTL	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES			EXCHANGES, SALES OR PURCHASES			NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR		CURRENT BALANCE	
				To River	Distribution	KCCL	KCC&W Co.	KDWD	OTHER	PLUS	LESS	MKWS	KCC&W Co.	KDWD	OTHER	DIR	PRO	PREVIOUS BALANCE		LOSS
300.0	K.C.L. Co. ENTL @ 2ND PT. KERN/ISLAND (1-ST)	5795	14997	9348				5649		190						44	2500	44	0	2500
	EASTSIDE	894								878										
320.0	KERN RIVER CONDUIT																			
	CASTRO	294	14																	
	KCC&W Co.	681	41			1230														
330.5	SOUTH FORK	621	24					645												
410.5	BUENA VISTA (1-ST)	677	36					653												
530.5	JAMES (1-ST)	5995				5995				718										
650.5	ANDERSON (1-ST)	402				402														
700.5	STINE	508						508		18										
730.5	MEACHAM																			
860.5	FARMERS	171																		
820.5	FLANKET																			
860.5	JOYCE																			
1000.5	JOHNSON																			
1130.5	PIONEER (1-ST)																			
1190.5	BEARDSLEY (1-ST)	764																		
	LEDO (MKWS)	18569																		
1200.5	ANDERSON (2-ND)																			
1240.5	JAMES & DIXON																			
1260.5	WILSON																			
	KCC&W Co.																			
1276.5	McCAFFREY																			
	LEDO 30%																			
1376.5	McCORD																			
	BEARDSLEY 70%																			
	CALLOWAY CENTRAL 20%	5455								5455										
2236.5	BEARDSLEY 80%																			
	RAILROAD KCC&W Co. 20%																			
	MKWS 80%																			
2426.5	MKWS 80%																			
2516.5	BUENA VISTA (2-ND)																			
2686.5	JAMES (2-ND)																			
2866.5	PIONEER (2-ND)																			
3106.5	PIONEER (3-RD)																			
3162.5	BEARDSLEY (3-RD)																			
	KERN/ISLAND (2-ND)																			
	ROSEDALE BKWS																			
	TRUKUN LAKES																			
	LAKE MING																			
	KERN VALLEY GOLF COURSE																			
	COUNTY OF KERN	141																		
	PIONEER CENTRAL	262																		
	BERRENDA MESA SPREADING	524																		
	BKWS VIA KDWD																			
	BKWS VIA CAMELO WD																			
	BKWS FOR ID4																			
	BKWS VIA MKWS																			
	BKWS FOR PIONEER BANKING																			
	BKWS FOR LOST HILLS WD																			
	HACIENDA WD FOR ID4																			
	HACIENDA WD FOR OLCESE WD																			
	ROSEDALE RANCH/ID	224	34450	15112		6397	1230	6840	645	20073	13286	13066	1514	6262	546	6786	0			331
	TOTALS																			
	LOSS																			
	FLOW AT FIRST POINT	224	41913	15788																

TOTAL CHANGE IN STORAGE = -8321

NOTES:

Kern Island Exch. Less: from BVWSD = 190  
 Eastside Exch. Less: from BVWSD = 878  
 Stine Exch. Less: from BVWSD = 18  
 Farmers Exch. Less: from BVWSD = 171  
 City via James: for KCWA (Misc.) = 434  
 City via Eastside: for KDWD (Misc.) = 16

BVWSD for ID4: River Loss = 2573  
 BVWSD for ID4: via Beardsley = 167  
 BVWSD for ID4: Cally. Exch. Less = 2424  
 BVWSD for Lost Hills: Pioneer Property = 262  
 BVWSD for Lost Hills: Berrenda Mesa = 524  
 BVWSD for Lost Hills: River Loss = 2214  
 Hacinda WD for ID4: River Loss = 2000  
 Hacinda WD for ID4: via Beardsley = 109  
 Hacinda WD for ID4: Cally. Exch. Less = 3037  
 Pioneer Banking: BVWSD via James = 718  
 Lerdo Exch. Less: BVWSD via CWD = 4266  
 Lerdo Exch. Less: BVWSD via NKWSD = 391

RRID: NKWSD Exchange to RRID = 331

6786

15788

# CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

DATE: November 1996 Recap

COMPUTED NATURAL FLOW AT FIRST POINT... 40903  
 LESS NON-CONTRIBUTING CANALS... 17522  
 FOR OTHERS AND FIRST POINT CANALS... 23381  
 TO BE CONTRIBUTED BY OTHER CANALS... 2267  
 TO BE USED BY OTHER CANALS... 21114  
 EACH OTHER CANAL TO RECEIVE... N/A

QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)... 73  
 B.V.W.S.D. ENTITLEMENT... 1539  
 SEEPAGE LOSS... 655  
 KERN RIVER CONDUIT ENTITLEMENT... 0  
 HACIENDA W.D. ENTITLEMENT AT FIRST POINT... 0  
 TOTAL... 2267

% OF ITS DIVERSION RIGHT

RIVER STAGE	DIVERSION RIGHT		GROSS DIVR	GROSS ENTL	To River	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES			EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR		CURRENT BALANCE		
	AMT.	NAME OF CANAL				Drvt	Pro	MWSD	KCC&W Co.	KOWD	OTHER	PLUS	LESS	MWSD	KCC&W Co.	KOWD	OTHER	DIR	PRO		PREVIOUS BALANCE	LOSS
300.0	300	K.C.L. Co. ENTL. @ 2ND PT. (1-ST)	1156	17522	16346		73			1176				4	1152			24	2500	24	0	2500
		EASTSIDE																				
		KERN RIVER CONDUIT																				
320.0	20	CASTRO		153		145	2		1200													
		KCC&W Co.		432		460	8															
330.5	10.5	SOUTH FORK		294		330	6				8056											
410.5	80	BUENA VISTA (1-ST)		381		224			630													
530.5	120	JAMES		3227		3913	56	6482	714													
550.5	20	ANDERSON (1-ST)		537		653	10	1081	119													
700.5	180	STINE		206		3437	995		1208													
730.5	30	MEACHAM		565		863	14	1263	179													
880.5	150	FARMERS		125		1698	1155		1631													
890.5	40	FLINKET		383		728	18	891	238													
960.5	40	JOYCE		383		728	18	891	238													
1000.5	40	JOHNSON		383		728	18	891	238													
1130.5	130	PIONEER (1-ST)		534		2374	61	2897	774													
1190.5	60	BEARDSLEY (1-ST)		111		1121	28		1694													
		LERDO (MWSD)		19248																		
1200.5	10	ANDERSON (2-ND)		75		202	4	221	60													
1240.5	40	JAMES & DRON		294		775	18	849	238													
1280.5	10	WILSON		36		119	2															
		KCC&W Co.		20		83	2		262													
1276.5	26	McCAFFREY		147		524	12	528	155													
		MACCORD		119		494	14	554	73													
		LERDO 30%		278		1148	34															
1376.5	100	BEARDSLEY 70%		2126		887	79		1438													
		CALLOWAY CENTRAL 20%		1886		3537	319	5641	101													
2226.5	850	MWSD 80%		71		65	18		154													
		RAILROAD KCC&W Co. 20%		288		284	75	627														
2426.5	200	MWSD 80%		163		163																
2516.5	80	BUENA VISTA (2-ND)		323		34	83	440														
2696.5	180	JAMES (2-ND)		305		32	79	416														
2866.5	170	PIONEER (2-ND)		432		44	113															
3106.5	240	BEARDSLEY (3-RD)		101		101																
3182.5	56	KERN ISLAND (2-ND)		2249																		
		ROSEDALE RBWSD		105																		
		TRUXUN LAKES		2311																		
		LAKE MING		32																		
		KERN VALLEY GOLF COURSE		321																		
		2800 ACRE SPREADING																				
		PIONEER CENTRAL																				
		BERRENDA MESA SPREADING																				
		BYWSD VIA CAMELO WD																				
		PIONEER NORTH		1416																		
		BOSWELL TURNOUT		81																		
		KWB AT 2ND POINT		1061																		
		HACIENDA WD FOR ID4																				
		HACIENDA WD FOR OLCESE WD																				
		ARMW - ERDSON TURNOUT		1850																		
		ROSEDALE BRANCHED																				
TOTALS			105	33674	39709	23716	22625	1091	23745	6181	4410	4373	13039	12525	16930	10405	1864	111	4899	0	4899	0
		LOSS		5553	655																	
		FLOW AT FIRST POINT	105	39227	39384																	

NOTES:  
 City via Kern Island for KDWD (Misc.) = 4  
 Lerdo Exch. Less: NKWSD to City = 4704  
 (Release to meet mandatory storage requirement)  
 Lerdo Exch. Less: BWWS via CWD = 2880  
 City via James: for KCWA (Misc.) = 361  
 City via Pioneer: for KCWA (Misc.) = 332  
 City via Pioneer: for KWBA (Misc.) = 202  
 RBWSD: City to RBWSD = 2249  
 South Fork transfer to City: In excess of carryover storage requirement = 3352  
 2800 Acre Spdg.: City for KCWA = 2311  
 Pioneer Central City for KCWA = 32  
 Berrenda Mesa Spdg.: City for KCWA = 321  
 Pioneer North: City for KWBA = 54  
 Pioneer North: City for KCWA = 1362  
 Boswell T.O.: City for KWBA = 81  
 KWB at 2nd Pt.: City for KWBA = 1061  
 Hacienda WD for ID4: Cally. Exch. Less = 2126  
 Hacienda WD for ID4: River Loss = 514  
 A-EWSD T.O.: City to A-EWSD = 1850  
 RRID: NKWSD Exchange to RRID = 178  
 NKWSD Entl: Reflects release to City due to inability to divert natural flow entitlement = 3127

# CITY OF BAKERSFIELD KERN RIVER FIRST POINT FLOW AND DIVERSION RECORD

DATE: December 1996 Recap

86438  
18446  
67992  
6520  
61472  
N/A

## QUANTITIES IN: ACRE-FEET

K.C.L. CO. ENTITLEMENT AT SECOND POINT (4.563%)... 266  
B.V.W.S.D. ENTITLEMENT..... 5578  
SEEPAGE LOSS..... 676  
KERN RIVER CONDUIT ENTITLEMENT..... 0  
HACIENDA W.D. ENTITLEMENT AT FIRST POINT..... 0  
TOTAL..... 6520

% OF ITS DIVERSION RIGHT

RIVER STAGE	AMT.	NAME OF CANAL	DIVERSION RIGHT		GROSS DIVR	GROSS ENTL.	To River	RELEASES		ENTITLEMENT LESS RELEASES ... OR PLUS DISTRIBUTED RELEASES		EXCHANGES, SALES OR PURCHASES		NET DIVERSIONS			WATER TRANS. LOSS		ISABELLA RESERVOIR			
			GROSS DIVR	NAME OF CANAL				Direct	Pro	MKWS	KCC&W Co.	KDWD	OTHER	FLUS	LESS	MKWS	KCC&W Co.	KDWD	OTHER	DIR	PRO	IN
330.0	300	K.C.L. Co. ENTL @ 2ND PT. KERN ISLAND (1-ST)	5976	266	18676	12652	52	214	52	6024	18	5958	14	2500	14	0	2500	14	2500	14	0	2500
330.0	20	EASTSIDE KERN RIVER CONDUIT CASTRO		311			12															
330.5	10.5	KCC&W Co. SOUTH FORK	34	617	583		44	32	1290				22220									
410.5	80	BUENA VISTA (1-ST)	946	4790	3836		294	252	4390	3332	2043	946										
530.5	120	JAMES (1-ST)	2043	7176			44	44	735	555												
550.5	20	ANDERSON (1-ST)	1202	8081	6782		456	61	1096	633												
700.5	30	MEACHAM FARMERS	281	6698	6425		785	83	1461	1111												
880.5	40	FLUNKET JOYCE	1700	1700			789	63	1459	1113												
980.5	40	JOYCE JOHNSON	1549	1000.5			940	83	1382	1190												
1130.5	130	PIONEER BEARDSLEY (1-ST)	540	4040	1654		3989	274	4269	4034	540	48										
1190.5	80	BEARDSLEY (1-ST)	21568	272			331	22	292	333	944	48										
1200.5	10	ANDERSON (2-ND)	1081	169			1305	83	1069	1400												
1240.5	40	JAMES & DIXON WILSON	103	103			179	14														
1260.5	10	WILSON McCAFFREY	692	722			807	54	613	940												
1276.5	26	McCAFFREY McCORD	1866	1686			875	61	621	1037												
1376.5	100	BEARDSLEY 70% CALLOWAY CENTRAL 20%	1777	2110			3414	357	5881													
2226.5	650	BEARDSLEY 80% RAILROAD KCC&W Co. 20%	30	8446			13642	1426	10952	12562	30											
2426.5	200	MKWS 80% BUEVA VISTA (2-ND)	720	397			1515	335	1425	1145												
2516.5	90	JAMES (2-ND)	790	790			1000	379	1568	591												
2696.5	170	PIONEER (2-ND)	748	748			284	357	1234	155												
3106.5	240	BEARDSLEY (3-RD)	1055	1055																		
3182.5	56	KERN ISLAND (2-ND)	246	246																		
		ROSDALE RBWSD	8263																			
		TRUKUN LAKES LAKE MING	333																			
		GLEN GRANDES 2800 ACRE SPREADING	3376																			
		PIONEER CENTRAL PIONEER NORTH	114	1397																		
		BEARRANDA MESA SPREADING	6423																			
		BWSD VIA CAMELO WD BOSWELL TURNOUT	674																			
		KWB AT 2ND POINT RIO BRAVO CANAL	4858																			
		HACIENDA WD FOR ID4 HWD TRANSFER TO 1ST PT. GRP.																				
		BWSD FLOW AT 1ST POINT	8600																			
		ARM - EDISON TURNOUT																				
		ROSDALE BRANCH ID																				
		TOTALS	28	69572	80184		35316	131215	4101	32800	94	24395	24395	8566	94	24395	20387	37614	8478	82	8460	0
		LOSS		9136	676																	
		FLOW AT FIRST POINT	28	77708	80980																	

TOTAL CHANGE IN STORAGE = 4808

NOTES:

City via Kern Island for KDWD (Misc.) = 18  
 Lerdo Exch. Less: BWSD via CWD = 284  
 City via James: for KCWA (Misc.) = 1394  
 City via James: for KWBA (Misc.) = 649  
 City via Pioneer: for KWBA (Misc.) = 540  
 Lerdo (MKWS): City to CWD (Misc.) = 944  
 RBWSD: City to RBWSD = 8263  
 River Loss: City to RBWSD (ID4) = 1301  
 2800 Acre Spreading: City to KCWA = 3055  
 2800 Acre Spreading: City to RBWSD = 321  
 Pioneer Central: City for KCWA (Misc.) = 114  
 Berrenda Mesa Spdg: City for KCWA (Misc.) = 1397  
 Pioneer North: City for KCWA (Misc.) = 2487  
 Pioneer North: City for KWBA (Misc.) = 3658  
 Pioneer North: City for RBWSD (Misc.) = 278  
 Boswell Turnout: City for KWBA (Misc.) = 674  
 KWB at 2nd Pt.: City for KWBA (Misc.) = 4858  
 Hacienda WD for ID4: Cally. Exch. Less = 1777  
 Lerdo Exch. Less: NKWS to City = 21956  
 HWD transfer to 1st Pt. Grp.: NKWS (4): City (6)  
 RRID: NKWS Exchange to RRID = 27  
 NKWS Ent'l: Reflects release to City due to inability to divert natural flow entitlement = 9460

NKWS/KCC&W Co. Entitlement: Reflects NKWS release to City (in excess of Maximum Diversion Right)

# ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

## JANUARY

*Units in acre-feet*

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1954	316	316	316	316	316	316	319	319	319	318	318	318	318	318	318	317	317	318	318	322	322	317	317	317	317	317	317	317	317	317	317	317
1955	9659	9705	9751	9782	9828	9666	9897	9635	9661	10062	10160	10160	10160	10160	10160	10160	10226	10226	10226	10226	10226	10226	10226	10226	10226	10226	10226	10226	10226	10226	10226	
1956	79823	80916	81717	82227	83262	83714	84383	84942	85218	85556	86308	86308	86308	86308	86308	86308	86308	86308	86308	86308	86308	86308	86308	86308	86308	86308	86308	86308	86308	86308	86308	
1957	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	130263	
1958	101413	101413	101370	101328	101328	101328	101328	101328	101328	101286	101286	101244	101244	101201	101159	101117	101117	101117	101117	101074	101032	100990	100947	100905	100863	100821	100779	100737	100695	100653	100611	
1959	198047	197981	197916	197786	197786	198112	198112	198112	198112	198112	198112	198047	197981	197916	197851	197786	197721	197656	197591	197526	197461	197396	197331	197266	197201	197136	197071	197006	196941	196876	196811	
1960	71575	71542	71509	71529	71542	71509	71509	71509	71542	71542	71608	71608	71608	71638	71638	72036	72036	72036	72036	72036	72036	72036	72036	72036	72036	72036	72036	72036	72036	72036	72036	
1961	28101	28101	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	28082	
1962	17524	17524	17511	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	17489	
1963	82849	82849	82811	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	82744	
1964	169983	169983	169922	169862	169801	169741	169681	169621	169561	169501	169441	169381	169321	169261	169201	169141	169081	169021	168961	168901	168841	168781	168721	168661	168601	168541	168481	168421	168361	168301	168241	
1965	117193	117193	117081	117029	117058	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	117048	
1966	171193	171073	170891	170709	170588	170467	170346	170225	170104	170083	170062	170041	170020	170000	169979	169958	169937	169916	169895	169874	169853	169832	169811	169790	169769	169748	169727	169706	169685	169664	169643	
1967	306622	306252	302266	297331	293058	288301	283427	278578	274296	270475	266925	263707	260283	257110	253985	250918	247799	244680	241561	238442	235323	232204	229085	225966	222847	219728	216609	213490	210371	207252	204133	
1968	199871	199806	199606	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	199740	
1969	124431	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	124381	
1970	223326	223236	223046	222767	222487	222207	221927	221647	221367	221087	220807	220527	220247	219967	219687	219407	219127	218847	218567	218287	218007	217727	217447	217167	216887	216607	216327	216047	215767	215487	215207	
1971	172219	172582	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	172703	
1972	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	122089	
1973	55645	55617	55645	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	55674	
1974	206381	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	206347	
1975	223930	224000	223930	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	224000	
1976	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	170131	
1977	67668	67668	67630	67630	67630	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	67668	
1978	44060	44228	44543	44958	45309	45530	45989	46238	46612	47317	47800	48081	48389	48662	48962	49245	49500	49745	49980	50205	50420	50635	50850	51065	51280	51495	51710	51925	52140	52355	52570	
1979	244755	244456	244606	244804	245203	245128	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	245203	
1980	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	206970	
1981	229741	229669	229669	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	229741	
1982	168994	169481	169520	169819	171619	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	172160	
1983	261325	261170	260938	260628	260396	260164	260007	260010	260164	260551	261015	261558	262099	262332	262177	262254	262177	262177	262177	262177	262177	262177	262177	262177	262177	262177	262177	262177	262177	262177	262177	
1984	312967	313623	314423	315336	316654	317340	317771	318375	318807	319205	319642	320111	320615	321154	321727	322334	322974	323654	324374	325134	325934	326774	327654	328574	329534	330534	331574	332654	333774	334934	336134	
1985	244975	244829	244650	244363	244065	243767	243469	243171	242873	242575	242277	241979	241681	241383	241085	240787	240489	240191	239893	239595	239297	238999	238701	238403	238105	237807	237509	237211	236913	236615	236317	
1986	196579	196545	196545	196579	196654	196791	196918	197045	197172	197299	197426	197553	197680	197807	197934	198061	198188	198315	198442	198569	198696	198823	198950	199077	199204	199331	199458	199585	199712	199839	199966	
1987	244011	244036	244011	244036	244011	244036	244011	244036	244011	244036	244011	244036	244011	244036	244011	244036	244011	244036	244011	244036	244011	244036	244011	244036	244011	244036	244011	244036	244011	244036	244011	
1988	143030	143030	143464	143731	144538	145023	144869	145077	144869	144608	144370	144132	143894	143656	143418	143180	142942	142704	142466	142228	141990											

# ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

**FEBRUARY**

*Units in acre - feet*

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1954	344	342	340	336	336	335	333	335	336	333	332	334	334	534	510	397	380	377	388	375	368	365	363	357	353	351	350	346	344			
1955	10185	10160	10152	10132	10132	10132	10152	10160	10168	10177	10144	10144	10152	10161	10161	10193	11315	12134	12290	12382	12476	12559	12596	12606	12606	12606	12616	12616	12626	12626		
1956	12618	121586	122624	123208	123988	124770	125307	125837	126367	127054	127954	128305	128506	128506	128506	128606	128606	128606	128707	128707	128707	128707	128707	128707	128707	128707	128707	128707	128707	128707		
1957	130263	130263	130213	130162	130162	130162	130313	130614	130715	130715	130715	130815	130815	131021	131176	131327	131486	131486	131486	131486	131486	131486	131486	131486	131486	131486	131486	131486	131486	131486		
1958	103771	104032	104119	104488	104773	104948	105122	105339	105470	105600	105644	105661	105623	106237	106471	106558	106689	106807	107395	107708	107931	108155	108379	108633	111636	111636	114416	114416	114555	114555		
1959	196778	196352	196222	196026	195831	195636	195571	195505	195375	195375	195375	195571	195671	195701	195766	196032	196418	196808	197134	197264	197329	197329	197264	197264	197264	197264	197264	197264	197264	197264		
1960	72949	75437	76031	76312	76454	76595	76700	77334	79886	80843	81536	82006	82372	82700	82824	83225	83413	83638	83964	84014	84127	84240	84363	84428	84503	84503	84503	84616	84729	84729		
1961	28303	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306	28306		
1962	17850	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638	17638		
1963	127903	139518	144847	149359	150972	153046	154732	156287	157765	158911	161537	162876	164281	165648	166936	168256	169228	170346	170346	170346	170346	170346	170346	170346	170346	170346	170346	170346	170346	170346	170346	
1964	168552	168434	168256	168019	167781	167544	167307	167070	166833	166596	166359	166122	165885	165648	165411	165174	164937	164700	164463	164226	163989	163752	163515	163278	163041	162804	162567	162330	162093	161856	161619	
1965	168960	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	169680	
1966	231865	233301	234801	236322	237822	239322	240822	241578	242815	244274	245813	247352	248890	250429	251968	253507	255046	256585	258124	259663	261202	262741	264280	265819	267358	268897	270436	271975	273514	275053		
1967	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	200668	
1968	253213	254408	255603	256798	257993	259188	260383	261578	262773	263968	265163	266358	267553	268748	269943	271138	272333	273528	274723	275918	277113	278308	279503	280698	281893	283088	284283	285478	286673	287868	289063	
1969	249128	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	249349	
1970	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	179123	
1971	121605	121567	121460	121412	121557	121702	121847	121992	122137	122282	122427	122572	122717	122862	123007	123152	123297	123442	123587	123732	123877	124022	124167	124312	124457	124602	124747	124892	125037	125182	125327	
1972	67495	67431	67367	67303	67239	67175	67111	67047	66983	66919	66855	66791	66727	66663	66599	66535	66471	66407	66343	66279	66215	66151	66087	66023	65959	65895	65831	65767	65703	65639	65575	
1973	22047	220116	219909	219693	219477	219261	219045	218829	218613	218397	218181	217965	217749	217533	217317	217101	216885	216669	216453	216237	216021	215805	215589	215373	215157	214941	214725	214509	214293	214077	213861	
1974	223866	222400	221637	221489	221489	221360	221084	220845	220645	220484	220362	220281	220239	220221	220221	220221	220221	220221	220221	220221	220221	220221	220221	220221	220221	220221	220221	220221	220221	220221	220221	220221
1975	170131	169883	169635	169387	169139	168891	168643	168395	168147	167899	167651	167403	167155	166907	166659	166411	166163	165915	165667	165419	165171	164923	164675	164427	164179	163931	163683	163435	163187	162939	162691	
1976	68830	68596	68362	68128	67894	67660	67426	67192	66958	66724	66490	66256	66022	65788	65554	65320	65086	64852	64618	64384	64150	63916	63682	63448	63214	62980	62746	62512	62278	62044	61810	
1977	245352	245577	245427	245352	245352	245427	245427	245502	245577	245652	245727	245802	245877	245952	246027	246102	246177	246252	246327	246402	246477	246552	246627	246702	246777	246852	246927	247002	247077	247152	247227	
1978	296544	295736	295052	294307	293589	292874	292159	291444	290729	290014	289299	288584	287869	287154	286439	285724	285009	284294	283579	282864	282149	281434	280719	279994	279279	278554	277839	277114	276389	275664	274939	274214
1979	231686	231830	231903	232047	232120	232265	232338	232411	232484	232557	232630	232703	232776	232849	232922	232995	233068	233141	233214	233287	233360	233433	233506	233579	233652	233725	233798	233871	233944	234017	234090	
1980	174766	174888	174583	174644	174279	173732	172825	172180	171256	170287	169287	168256	167193	166108	165003	163878	162733	161568	160393	159208	158013	156808	155593	154368	153133	151898	150653	149408	148163	146918	145673	144428
1981	291632	292461	292821	292904	293317	293135	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	293040	
1982	298623	298211	298565	298947	299224	299503	299782	300061	300340	300619	300898	301177	301456	301735	302014	302293	302572	302851	303130	303409	303688	303967	304246	304525	304804	305083	305362	305641	305920	306199	306478	
1983	244160	244458	244680	244829	244979	245128	245277	245426	245575	245724	245873	246022	246171	246320	246469	246618	246767	246916	247065	247214	247363	247512	247661	247810	247959	248108	248257	248406	248555	248704	248853	
1984	206331	206726	206871	207275	207411	207750	207811	208021	208360	208699	209038	209377	209716	210055	210394	210733	211072	211411	211750	212089	212428	212767	213106	213445	213784	214123	214462	214801	215140	215479	215818	216157
1985	244631	244458	244309	244209	244180	244085	244011	243962	243923	243884	243845	243806	243767	243728	243689	243650	243611	243572	243533	243494	243455	243416	243377	243338	243299	243260	243221	243182	243143	243104	243065	
1986	144377	144377	144377	144269	144215	144108	143999	143890	143781	143672	143563	143454	143345	143236	143127	143018	142909	142800	142691	142582	142473	142364	142255	142146	142037	141928	141819	141710	141601	141492	141383	
1987	71606	71342	71342	71473	71573	71408	71342	71441	71539	71638	71736	71835	71934	72033	72132	72231	72330	72429	72528	72627	72726	72825	72924	73023	73122	73221	73320	73419	73518	73617	73716	
1988	86113	85038	84851	84701	84590	84441	84329	84254	84217	84180	84143	84106	84069	84032	83995	83958	83921	83884	83847	83810	83773</											

# ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

## MARCH

Units in acre-feet

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																			
1954	342	342	341	336	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331	331																			
1955	12636	12606	12596	12596	12596	12596	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606	12606																			
1956	128456	128456	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504	128504																			
1957	133291	133291	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166	133166																			
1958	114555	114555	114601	114647	114647	114693	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739	114739																			
1959	197259	197395	197460	197525	197460	197375	197264	197089	196808	196483	196157	195832	195507	195182	194857	194532	194207	193882	193557	193232	192907	192582	192257	191932	191607	191282	190957	190632	190307	189982	189657	189332																		
1960	84804	84917	84992	85105	85218	85338	85506	85706	86120	86648	87378	88273	89383	90651	92113	93799	95641	97673	99923	102501	105343	108471	111903	115647	119721	124151	128944	134104	139634	145538	151821	158484																		
1961	28603	28685	28767	28849	28931	29013	29095	29177	29259	29341	29423	29505	29587	29669	29751	29833	29915	29997	30079	30161	30243	30325	30407	30489	30571	30653	30735	30817	30899	30981	31063	31145	31227																	
1962	43371	43371	43371	43371	43371	43417	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440	43440																	
1963	174764	175128	175491	175856	176103	176350	176597	176844	177091	177338	177585	177832	178079	178326	178573	178820	179067	179314	179561	179808	180055	180302	180549	180796	181043	181290	181537	181784	182031	182278	182525	182772	183019																	
1964	163282	163166	162981	162817	162653	162489	162325	162161	161997	161833	161669	161505	161341	161177	161013	160849	160685	160521	160357	160193	160029	159865	159701	159537	159373	159209	159045	158881	158717	158553	158389	158225	158061	157897																
1965	169019	167604	167070	166476	165823	165171	164518	163865	163213	162560	161908	161255	160603	159950	159298	158645	157993	157340	156688	156035	155383	154730	154078	153425	152773	152120	151468	150815	150163	149510	148858	148205	147553	146900																
1966	253512	253288	253064	252840	252616	252392	252168	251944	251720	251496	251272	251048	250824	250600	250376	250152	249928	249704	249480	249256	249032	248808	248584	248360	248136	247912	247688	247464	247240	247016	246792	246568	246344	246120																
1967	256609	256659	256433	255983	255232	254360	252944	251008	248592	245728	242464	238800	234736	230272	225408	220244	214780	209016	202852	196288	189324	180960	171196	160032	146468	130504	112140	91476	68512	43448	16384	-12680	-31616	-56552																
1968	203228	203228	203095	202962	202829	202696	202563	202430	202297	202164	202031	201898	201765	201632	201499	201366	201233	201100	200967	200834	200701	200568	200435	200302	200169	200036	199903	199770	199637	199504	199371	199238	199105	198972																
1969	257261	257684	258165	258768	259374	259974	260574	261174	261774	262374	262974	263574	264174	264774	265374	265974	266574	267174	267774	268374	268974	269574	270174	270774	271374	271974	272574	273174	273774	274374	274974	275574	276174	276774																
1970	172763	171917	170853	170111	168332	165555	162778	159001	154324	148747	142270	134903	125636	114469	101502	86835	70268	51801	31434	9067	-11160	-31627	-50194	-66761	-81328	-93895	-104462	-113029	-119696	-124463	-127330	-129297	-130464	-130831																
1971	117029	116539	116141	115743	115345	114947	114549	114151	113753	113355	112957	112559	112161	111763	111365	110967	110569	110171	109773	109375	108977	108579	108181	107783	107385	106987	106589	106191	105793	105395	104997	104599	104201	103803	103405															
1972	7780	78504	79040	79614	79866	80372	80896	81410	81924	82438	82952	83466	83980	84494	85008	85522	86036	86550	87064	87578	88092	88606	89120	89634	90148	90662	91176	91690	92204	92718	93232	93746	94260	94774	95288															
1973	20710	20375	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618	204618															
1974	21341	212585	211851	211036	210030	208989	207932	206869	205806	204743	203680	202617	201554	200491	199428	198365	197302	196239	195176	194113	193050	191987	190924	189861	188798	187735	186672	185609	184546	183483	182420	181357	180294	179231	178168															
1975	168888	168712	168430	168069	167628	167107	166516	165865	165154	164383	163532	162611	161630	160589	159488	158327	157106	155825	154484	153083	151622	150101	148520	146889	145208	143477	141696	139865	137994	136083	134132	132151	130140	128109	126058															
1976	68125	68030	64834	64808	64713	64555	64429	64344	64299	64264	64229	64194	64159	64124	64089	64054	64019	63984	63949	63914	63879	63844	63809	63774	63739	63704	63669	63634	63599	63564	63529	63494	63459	63424	63389															
1977	132511	130394	144004	150331	160829	175331	178370	182423	186919	191771	196216	199216	200816	201016	200816	200216	199216	197816	195916	193516	190616	187216	183316	178916	174016	168616	162216	154816	146416	137016	126616	115216	102816	89416	74916	60416														
1978	384338	386048	388239	390053	392063	394277	396695	399317	402141	405165	408399	411843	415497	419371	423465	427789	432343	437127	442141	447385	452899	458683	464747	471091	477715	484539	491573	498827	507311	516045	525039	534293	543817	553521	563405	573469														
1979	254687	255173	254779	253536	251536	248866	245536	241536	236866	231536	225536	218866	211536	203536	194866	185536	175536	164866	152866	140536	127866	114866	101536	87866	73866	59536	44866	29866	14536	-11266	-36536	-60366	-83666	-106536	-128866	-150866														
1980	237949	237728	237392	237070	236724	236360	235988	235608	235220	234824	234420	234008	233588	233160	232724	232280	231828	231368	230900	230424	229940	229448	228948	228440	227916	227376	226830	226270	225700	225120	224530	223930	223320	222700	222070	221430	220780													
1981	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916	182916													
1982	367906	376286	386715	399119	403783	4096475	416781	418466	421637	424124	427118	430626	434648	439184	444244	449930	456262	463244	470884	479192	488184	497872	508352	519632	531712	544592	558272	572752	588032	604112	620992	638672	657152	676432	696512	717492	739372													
1983	263674	262964	262487	262223	262066	261919	261782	261645	261508	261371	261234	261097	260960	260823	260686	260549	260412	260275	260138	260001	259864	259727	259590	259453	259316	259179	259042	258905	258768	258631	258494	258357	258220	258083	257946	257809	257672	257535												
1984	232973	232451	232119	231830	231583	231336	231089	230842	230595	230348	230101	229854	229607	229360	229113	228866	228619	228372	228125	227878	227631	227384	227137	226890	226643	226396	226149	225902	225655	225408	225161	224914	224667	224420	224173	223926	223679	223432	223185	222938	222691	222444	222197	221950	221703	221456	221209	220962	220715	2204

# ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

**APRIL**

*Units in acre - feet*

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	482	500	517	538	566	590	580	609	650	680	663	654	679	761	1104	2124	3430	5028	6549	9045	11115	12740	16144	17408	18696	20650	22070	23322			
1955	7058	6734	6438	6140	5855	5286	5062	4876	4626	4554	4453	4411	4422	4408	4428	4445	4428	4445	4422	4375	4350	4505	4722	4981	5229	5440	5603	5752	5884	6005	
1956	128306	128911	127700	132259	133342	134628	138714	137137	136618	140286	142025	144521	146833	148526	150361	152364	154183	155946	157538	158942	160687	162236	163926	165842	167485	169028	170406	171525	172525	173615	
1957	127954	127452	127000	126546	126146	125845	125602	125436	125361	125471	125672	125949	126294	126700	127176	127772	128388	129024	129680	130356	131052	131768	132504	133260	134036	134832	135648	136484	137340	138216	
1958	141106	142587	145444	147748	150249	152139	154126	155946	157708	159370	161030	162688	164344	166000	167656	169312	170968	172624	174280	175936	177592	179248	180904	182560	184216	185872	187528	189184	190840	192496	
1959	193688	190752	191008	191200	191328	191648	191840	192032	192288	192480	192672	192864	193120	193312	193504	193696	193888	194080	194272	194464	194656	194848	195040	195232	195424	195616	195808	196000	196192	196384	
1960	91694	92054	92454	93014	93734	94594	94703	95320	96086	96555	97131	97708	98119	98532	98945	99358	99771	100184	100597	101010	101423	101836	102249	102662	103075	103488	103901	104314	104727	105140	
1961	28213	28249	28372	28585	28974	29360	29746	30080	30285	30450	30588	30692	31010	31222	31434	31723	32186	32706	33183	33604	33966	34267	34508	34688	34798	34850	34864	34848	34802	34736	
1962	39038	34328	33705	33283	33143	33404	33986	35098	36580	38214	39829	40608	42347	44205	46144	48185	51446	54524	57668	60861	63075	65337	68136	71278	74382	77017	79632	82228	84729	86612	
1963	183664	184230	184734	185289	185613	185828	185928	185900	185746	185480	185112	184644	184080	183428	182688	181860	180954	180000	179008	178000	176900	175700	174400	173000	171500	170000	168500	167000	165500	164000	
1964	159098	159853	160280	160493	160687	160900	161016	161133	161249	161365	161481	161597	161713	161829	161945	162061	162177	162293	162409	162525	162641	162757	162873	162989	163105	163221	163337	163453	163569	163685	
1965	117829	119066	118540	118730	118820	119100	119300	119565	120154	120486	120818	121103	121393	121688	121988	122293	122603	122918	123238	123563	123893	124228	124568	124913	125263	125618	125978	126343	126713	127088	
1966	155434	156344	157424	158749	159796	160642	162004	163108	164489	165527	166520	167070	167366	167500	167580	167610	167630	167640	167650	167660	167670	167680	167690	167700	167710	167720	167730	167740	167750	167760	
1967	206347	207482	208064	208754	209558	210698	210771	211378	211651	212225	212896	213645	214789	215687	216201	216543	216830	217065	217248	217375	217445	217458	217463	217468	217473	217478	217483	217488	217493	217498	
1968	175905	175439	175255	175351	175127	174955	174797	174679	174593	174540	174512	174500	174500	174500	174500	174500	174500	174500	174500	174500	174500	174500	174500	174500	174500	174500	174500	174500	174500	174500	
1969	261725	261041	260359	259694	259050	258450	257900	257390	256920	256500	256120	255780	255480	255220	255000	254820	254680	254580	254520	254500	254520	254560	254620	254700	254800	254920	255060	255220	255400	255600	
1970	165000	166889	167902	169436	169163	168871	170532	171073	171615	172219	172824	173369	173977	174788	175439	176111	176800	177462	178062	178624	179057	179476	179829	180147	180476	180769	181034	181281	181514	181735	
1971	116512	116325	115986	115718	115252	114741	114278	113819	113219	112552	111822	111035	110181	109264	108298	107284	106224	105128	104006	102858	101684	100484	99258	98000	96720	95430	94140	92850	91560	90270	
1972	90663	91378	91577	91487	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	91378	
1973	227760	224729	223959	224708	242159	244128	246253	247946	250461	252936	254109	255056	255810	256401	256834	257124	257368	257566	257718	257834	257914	257958	257968	257974	257978	257980	257982	257984	257986	257988	
1974	210501	210367	210165	210185	210434	210836	210771	210906	211041	211243	211311	211423	211513	211584	211644	211694	211734	211764	211784	211794	211794	211784	211764	211734	211694	211644	211584	211513	211423	211311	
1975	156088	155919	155694	155338	154938	154538	154038	153538	153038	152538	152038	151538	151038	150538	150038	149538	149038	148538	148038	147538	147038	146538	146038	145538	145038	144538	144038	143538	143038	142538	
1976	68052	63083	63083	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	63082	
1977	260074	264867	268396	271332	273117	274830	275768	276980	278002	279024	280024	281000	281956	282888	283796	284680	285540	286376	287188	287976	288740	289480	290196	290880	291540	292176	292788	293376	293940	294476	
1978	279853	290839	281887	282558	284153	285281	286755	287815	288929	290029	291049	292049	293029	293989	294929	295849	296749	297629	298489	299329	299949	300529	301069	301569	302029	302449	302829	303169	303469	303729	
1979	361432	359685	356035	352597	350318	354108	352832	351471	350019	348494	346934	345344	343729	342089	340429	338749	337049	335329	333589	331829	330049	328249	326429	324589	322729	320849	318949	317029	315089	313129	
1980	241486	241783	242153	242490	242871	243117	243469	244095	244755	245427	246201	247074	247949	248824	249700	250576	251452	252328	253204	254080	254956	255832	256708	257584	258460	259336	260212	261088	261964	262840	
1981	480446	470615	472806	473782	475236	477178	479196	481284	483452	485696	488016	490416	492896	495456	498096	500816	503616	506496	509456	512496	515616	518816	522096	525456	528896	532416	536016	539696	543456	547296	
1982	213210	214657	216249	217988	219864	221904	224096	226448	228960	231632	234464	237456	240608	243920	247392	250924	254524	258192	261928	265732	269604	273544	277556	281636	285784	290000	294284	298636	303056	307544	
1983	68046	64832	65140	65605	66543	67607	68445	70749	72171	73748	75212	76530	77824	79104	80376	81640	82896	84144	85384	86616	87840	89056	90264	91464	92656	93840	95016	96184	97344	98496	
1984	277384	279688	280114	281243	282453	283666	284985	286319	287668	289032	290411	291804	293212	294639	296084	297548	299032	300536	302060	303604	305168	306752	308366	310000	311654	313328	315022	316736	318460	320204	
1985	239425	245115	235889	237728	238805	240376	242052	243832	245716	247708	249808	251916	254032	256156	258288	260428	262576	264732	266896	269068	271248	273436	275632	277836	280048	282268	284496	286732	288976	291228	
1986	425921	424519	430524	432734	434748	436564	437980	438996	439712	440228	440644	440960	441276	441492	441608	441624	441540	441456	441372	441288	441204	441120	441036	440952	440868	440784	440700	440616	440532	440448	
1987	240383	240304	240220	240600	240820	241116	241116	240968	240868	240812	240760	240712	240668	240624	240584	240548	240516	240488	240464	240444	240428	240416	240408	240404	240404	240408	240416	240428	240444	240464	
1988	129070	128970	128920	128970	129020	129070	129120	129170	129220	129270	129320	129370	129420	129470	129520	129570	129620	129670	129720	129770	129820	129870	129920	129970	130020	130070	130120	130170	130220	130270	
1989	108460	109728	111146	112552	114015	115538	117261	119280	121480	123840	126360	129048	131912	135064	138512	142264	1														



# ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

**JUNE**

*Units in acre-feet*

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1954	81176	81390	82982	83784	84544	85000	85180	85304	85390	85304	84734	83974	83214	82380	81546	80843	80140	79437	78716	78176	77600	77132	76700	76310	75935	74155	73105	71722	70634	69612																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
1955	28758	28178	28658	29323	30413	32340	34708	37154	39058	40820	41975	42720	43082	43208	43347	43587	43835	44231	44328	44308	44288	44254	44182	44129	44071	44182	44254	44308	44328	44308	44288	44182	44071	44022	43953																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
1956	28106	28443	28822	29245	29713	30225	30780	31378	32018	32700	33424	34190	35000	35854	36754	37700	38694	39736	40826	41964	43150	44384	45666	47000	48386	49826	51322	52876	54488	56160	57894	59692	61506	63338	65180	67034	68900																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
1957	151805	154695	158571	162504	166453	170469	174561	178739	183021	187425	191961	196639	201479	206491	211685	217071	222659	228450	234454	240682	247144	253850	260804	268016	275494	283248	291290	299626	308266	317219	326494	336091	346010	356251	366824	377740	388900	399315	409985	420915	431105	441564	452292	463290	474558	486096	497914	509932	522160	534598	547346	560404	573772	587450	601438	615746	630374	645322	660590	676178	692086	708314	724862	741730	758928	776456	794304	812472	830960	849768	868896	888334	908082	928150	948538	969246	990274	1011622	1033350	1055928	1079356	1103684	1128912	1155040	1182068	1209996	1238824	1268552	1299180	1330708	1363136	1396564	1430992	1466420	1502848	1540276	1578704	1618132	1658560	1700088	1742716	1786444	1831272	1878200	1927328	1978556	2030984	2085612	2142440	2201568	2262996	2326724	2392752	2461080	2531708	2604636	2679864	2757392	2837220	2919448	3004076	3091104	3180532	3272360	3366588	3463216	3562344	3663972	3768196	3875024	3984452	4096480	4211108	4328336	4448264	4570892	4696220	4824248	4954976	5088404	5224532	5363360	5504888	5649116	5796144	5945872	6099200	6255228	6413956	6575384	6739512	6906340	7075868	7249096	7425024	7603652	7784980	7968908	8155436	8344564	8536292	8730620	8927548	9127076	9329304	9534232	9741860	9952188	10165216	10382744	10603472	10827300	11054232	11284264	11517400	11753632	11992960	12245392	12500032	12766880	13045936	13337200	13640672	13956352	14284240	14624336	14976640	15341160	15717896	16106840	16508080	16921520	17347160	17784900	18234740	18696680	19170820	19657160	20155700	20666140	21189180	21724720	22272400	22833180	23407072	23994080	24594200	25207432	25832784	26470256	27119840	27791536	28485264	29191032	29908840	30638688	31380576	32134512	32900500	33678544	34468640	35270784	36084976	36911220	37749512	38609856	39492256	40396712	41323232	42271808	43232448	44205152	45189920	46196752	47224672	48273704	49343856	50435128	51547520	52681040	53835700	55011512	56208480	57426608	58665896	59926344	61208056	62511032	63835272	65181776	66549544	67938672	69349160	70781008	72234312	73709072	75205296	76722984	78262136	79822752	81404832	83008376	84633488	86280160	87948392	89638184	91349536	93082448	94836920	96612960	98410544	100229760	102080544	103957888	105861696	107791968	109749704	111734912	113747584	115787712	117855304	119950336	122072800	124222720	126400112	128604928	130837168	133096928	135484200	137898992	140441304	143011136	145608496	148243376	150905800	153595744	156413208	159258192	162239712	165247776	168283296	171346320	174436848	177554880	180700416	183873456	187074000	190292144	193527888	196781232	199942176	203119720	206314752	209527280	212747304	215974832	219218864	222480400	225758432	229052960	232364080	235691744	239035920	242396608	245773800	249167504	252577824	256004560	259447808	262907560	266386816	269882576	273394840	276923712	280469184	284031056	287609424	291204288	294815552	298442816	302086080	305748344	309431608	313135872	316851136	320587400	324344664	328112928	331902192	335712456	339543720	343395984	347269248	351163512	355078776	359005040	362952304	366911264	370881824	374873888	378887456	382912528	386949104	390997184	395056864	399128144	403210016	407322384	411455248	415609312	419784272	423980032	428196696	432434264	436692736	440972104	445272368	449593520	453935568	458298416	462682064	467086416	471511568	475957424	480424080	484911328	489419272	493947912	498497136	503067048	507657552	512268656	516890360	521522672	526198688	530896416	535615856	540356912	545119584	549903872	554709784	559537216	564386176	569255648	574146080	579057520	583989888	588943184	593917416	598912480	603928288	608954832	613997120	619056240	624132144	629224960	634333680	639461232	644605600	649775792	654962800	660166720	665388448	670629888	675891040	681171808	686475184	691799120	697043216	702307168	707590976	712894640	718218160	723561632	728934064	734331952	739755296	745191592	750652840	756139040	761650192	767186288	772747424	778333504	783944624	789579776	795238960	800922176	806629408	812359648	818113792	823891936	829692176	835510512	841347040	847211760	853093584	859002608	864928832	870872256	876842880	882830704	888836832	894861264	900903904	906964640	913043472	919150400	925275424	931418544	937588768	943785088	949997512	956226032	962472648	968736368	975017184	981314304	987627920	993953040	1000298464	1006274576	1012271248	1018288480	1024316288	1030364640	1036433504	1042522880	1048632704	1054763120	1060914032	1067085440	1072277344	1078490752	1084725168	1090980592	1097257024	1103554464	1109852912	1116172352	1122512784	1128874208	1135256624	1141660064	1148094528	1154550000	1161026416	1167518816	1174027200	1180552576	1187092912	1193749232	1200421536	1207109824	1213814100	1220534368	1227270624	1234022880	1240791136	1247575400	1254375664	1261191920	1268025168	1274875408	1281742640	1288626864	1295529136	1302452416	1309396704	1316362000	1323348288	1330355472	1337383560	1344432544	1351502432	1358593120	1365704608	1372836880	1380000048	1387184416	1394389776	1401616128	1408863488	1416131808	1423424096	1430742304	1438086432	1445456480	1452852528	1460274576	1467722608	1475196640	1482696672	1490222704	1497774736	1505352768	1512956800	1520586832	1528242864	1535924900	1543633936	1551364080	1559125328	1566907680	1574712128	1582538688	1590386400	1598265280	1606175312	1614106432	1622058648	1630032160	1638026880	1646042704	1654078736	1662135872	1670214112	1678313456	1686433904	1694575456	1702738112	1710911872	1719106528	1727322176	1735558816	1743816448	1752095072	1760394784	1768715472	1777057136	1785469776	1793913400	1802378016	1810863616	1819370200	1827897776	1836446400	1845016080	1853606816	1862238608	1870891456	1879565360	1888260320	1896986336	1905733408	1914511552	1923320768	1932151136	1941002608	1949875280	1958769152	1967694128	1976650208	1985627344	1994625472	2003645600	2012686736	2021748880	2030832032	2039936200	2049061376	2058207560	2067374752	2076562944	2085772144	2094992352	2104233568	2113515808	2122819072	2132143344	2141488624	2150854912	2160242208	2169650512	2179079824	2188530144	2197991472	2207463808	2216947136	2226441456	2235945760	2245460048	2254985312	2264521520	2274068672	2283627072	2293196576	2302776080	2312366584	2321968088	2331580592	2341204100	2350838608	2360484128	2370140656	2379808192	2389486736	2399176288	2408876832	2418578376	2428290912	2438014448	2447749088	2457494832	2467251680	2477019616	2486798752	2496599040	2506410376	2516232736	2526057120	2535894512	2545742904	2555602304	2565470704	2575349104	2585237504	2595135904	2605044304	2614962704	2624891104	2634829504	2644787904	2654756304	2664734704	2674723104	2684731504	2694750000	2704778496	2714816992	2724865488	2734923984	2744992480	2755070976	2765168472	2775275968	2785393464	2795520960	2805658448	2815806944	2825975440	2836153936	2846342432	2856540928	2866748424	2876965920	2887192416	2897448912	2907715408	2917992904	2928280400	2938571888	2948869472	2959183056	2969491728	2979805400	2990125088	3000470672	3010831360	3021207048	3031597728	3042004368	3052421968	3062850608	3073289192	3083737824	3094196448	3104665056	3115143648	3125612232	3136080816	3146559392	3157047968	3167526640	3178005312	3188483952	3198962592	3209441232	3219920000	3230398784	3240877584	3251366400	3261855216	3272343968	3282832736	3293321504	3303810288	3314298048	3324785824	3335273600	3345761376	3356249120	3366735872	3377222624	3387709376	3398196128	3408692880	3419189632	3429686384	3440179088	3450671104	3461156736	3471642784	3482129344	3492616416	3503103984	3513591584	3524079232	3534566928	3545054576	3555542224	3566029872	3576517504	3587005136	3597492768	3607980400	3618468032	3628955664	3639443296	3649930944	3660418592	3670906240	3681393888	3691881488	3702369088	3712856688	3723344288	3733831888	3744319488

# ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

**JULY**

*Units in acre-feet*

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
1954	68240	67019	68524	66332	62529	64329	63647	63069	62886	62110	61270	60280	59520	58833	58137	57470	56887	56816	54920	54052	53132	52342	51478	50658	49876	49280	48579	47876	47084	46388	45466		
1955	39372	36866	39473	37955	37283	36519	35930	35304	34588	34147	33585	32963	32302	31723	31260	30602	30047	30228	29770	29471	29175	28803	28433	27948	27523	27089	26650	26209	25804	25401	25024		
1956	282874	282077	281200	280171	279308	278524	277862	277382	276983	276658	276407	276241	276161	276104	276062	276028	276002	275984	275964	275950	275940	275934	275932	275933	275937	275942	275953	275965	276001	276041	276084		
1957	18070	179300	179201	179251	179352	179494	179683	179912	180177	180483	180831	181210	181623	182064	182544	183064	183624	184224	184864	185544	186264	187024	187824	188664	189544	190464	191424	192424	193464	194544	195664		
1958	449700	447892	446396	445184	444279	443674	443361	443244	443324	443501	443874	444444	445214	446184	447354	448724	450294	452064	454034	456204	458674	461444	464514	467884	471554	475524	479794	484364	489244	494424	499904		
1959	137507	134631	131796	129009	126396	123940	121616	119340	117134	114983	112919	110954	109089	107324	105660	104096	102632	101268	100004	98840	97776	96712	95648	94584	93520	92456	91392	90328	89264	88200	87136		
1960	90114	79459	78133	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179		
1961	49168	48648	48093	47567	46990	46469	45900	45296	44656	43987	43290	42566	41814	41036	40234	39409	38562	37694	36816	35929	35034	34131	33220	32301	31374	30440	29499	28552	27600	26643	25681		
1962	173070	172404	171617	171012	170285	170406	169801	169416	169146	168981	168916	168955	169004	169062	169129	169204	169287	169378	169476	169581	169692	169809	169932	170061	170196	170336	170481	170631	170786	170946	171111	171281	
1963	389170	389170	389887	389805	389440	387984	386761	385737	384925	384331	383954	383684	383524	383474	383534	383604	383684	383774	383874	383984	384104	384234	384374	384524	384684	384854	385034	385224	385424	385634	385854	386084	
1964	173494	171859	170225	168493	166833	165112	163426	161784	160194	158654	157164	155724	154334	152994	151704	150464	149274	148134	147044	146004	145014	144074	143184	142344	141554	140814	140124	139484	138894	138354	137864	137424	
1965	283192	283980	285027	286303	287700	289219	290864	292634	294524	296534	298664	300914	303274	305744	308324	310914	313614	316424	319344	322374	325514	328764	332124	335594	339174	342864	346664	350574	354594	358724	362964	367314	
1966	188645	187291	185799	184165	182476	180871	179359	177942	176614	175374	174224	173164	172194	171314	170524	169814	169184	168634	168164	167764	167434	167164	166954	166804	166714	166684	166714	166794	166924	167104	167334	167614	
1967	481816	489826	494435	502821	508724	512598	516271	519804	523204	526424	529564	532624	535604	538514	541354	544124	546824	549454	552004	554474	556874	559204	561464	563664	565804	567884	569904	571864	573764	575604	577384	579114	
1968	570888	573882	576326	578326	579982	581317	582332	583042	583464	583704	583784	583734	583564	583284	582904	582424	581854	581194	580444	579604	578674	577654	576544	575344	574054	572684	571234	569704	568094	566414	564664	562844	
1969	112258	111166	110083	108962	107804	106652	105539	104468	103442	102462	101528	100640	99798	98984	98206	97464	96758	96088	95454	94856	94294	93768	93278	92824	92404	92018	91666	91348	91064	90814	90598	90414	
1970	315949	315022	314098	313167	312237	311307	310377	309447	308517	307587	306657	305727	304797	303867	302937	301997	301057	300117	299177	298237	297297	296357	295417	294477	293537	292597	291657	290717	289777	288837	287897	286957	
1971	234944	234015	233220	232376	231382	230107	228765	227268	225744	224194	222624	221034	219424	217794	216144	214474	212784	211074	209344	207594	205824	204034	202224	200394	198544	196674	194784	192874	190944	188984	187004	185004	
1972	112258	111166	110083	108962	107804	106652	105539	104468	103442	102462	101528	100640	99798	98984	98206	97464	96758	96088	95454	94856	94294	93768	93278	92824	92404	92018	91666	91348	91064	90814	90598	90414	
1973	398974	397933	396816	395619	394342	392984	391544	390024	388424	386744	384984	383144	381224	379224	377144	374984	372744	370424	367964	365364	362624	359744	356724	353564	350264	346824	343244	339524	335664	331664	327524	323204	
1974	470913	470181	469166	467974	466604	465054	463324	461414	459324	457054	454604	452074	449464	446784	444034	441214	438344	435424	432464	429464	426424	423344	420224	417064	413864	410624	407344	404024	400664	397264	393824	390344	
1975	307282	306064	305022	303461	302074	300864	299824	298954	298244	297684	297244	296914	296694	296574	296554	296634	296714	296794	296874	296954	297034	297114	297194	297274	297354	297434	297514	297594	297674	297754	297834	297914	
1976	130995	129436	127850	126250	124779	123429	122194	121074	120064	119164	118374	117684	117094	116504	115914	115324	114734	114144	113554	112964	112374	111784	111194	110604	110014	109424	108834	108244	107654	107064	106474	105884	
1977	78023	7521	78978	78133	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179	78179		
1978	485035	485974	486904	487834	488764	489694	490624	491554	492484	493414	494344	495274	496204	497134	498064	498994	499924	500854	501784	502714	503644	504574	505504	506434	507364	508294	509224	510154	511084	512014	512944	513874	
1979	411663	409480	407256	404916	402873	401004	399304	397774	396324	394954	393664	392444	391294	390214	389194	388234	387334	386494	385714	384984	384314	383704	383154	382664	382234	381864	381554	381294	381084	380924	380804	380724	
1980	593870	595264	596384	597314	598064	598634	599024	599334	599564	599714	599784	599764	599654	599454	599164	598784	598314	597754	597104	596364	595534	594604	593574	592444	591214	589884	588454	586924	585294	583564	581734	579804	
1981	281644	279872	278106	276426	274836	273336	271924	270604	269374	268244	267204	266254	265394	264624	263944	263354	262764	262174	261584	261004	260414	259824	259234	258644	258054	257464	256874	256284	255694	255104	254514	253924	253334
1982	519845	520081	520482	520949	521471	522049	522682	523370	524114	524914	525770	526682	527650	528674	529754	530894	532094	533354	534674	536054	537494	539004	540584	542234	543954	545744	547594	549504	551474	553504	555594	557744	559954
1983	627576	627896	628659	629623	630705	631904	633214	634634	636164	637804	639554	641414	643384	645464	647654	649954	652364	654884	657514	660254	663104	666064	669134	672314	675604	679004	682514	686134	689864	693704	697654	701714	705884
1984	395041	394367	393792	393217	392642	392067	391492	390917	390342	389767	389192	388617	388042	387467	386892	386317	385742	385167	384592	384017	383442	382867	382292	381717	381142	380567	379992	379417	378842	378267	377692	377117	376542
1985	365687	364641	363595	362549	361503	360457	359411	358365	357319	356273	355227	354181	353135	352089	351043	350000	348956	347912	346868	345824	344780	343736	342692	341648	340604	339560	338516	337472	336428	335384	334340	333296	332252
1986	551243	550003	548875	547849	546924	546100	545377	544754	544231	543808	543485	543262	543139	543116	543193	543270	543347	543424	543501	543578	543655	543732	543809	543886	543963	544040	544117	544194	544271	544348	544425	544502	544579
1987	252051	250461	249028	247874	246981	246344																											

# ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

**AUGUST**

*Units in acre - feet*

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
1954	44513	43448	42436	41226	40016	38770	37930	37279	36418	35536	34740	33880	33010	32269	31566	30882	30160	29495	28878	28338	27852	27438	27114	26753	26296	25783	25290	24899	24508	24063	23573		
1955	25439	25100	24648	24212	23847	23447	23047	22615	22251	21854	21431	21000	20569	20139	19710	19282	18854	18426	18000	17574	17150	16727	16305	15884	15463	15043	14624	14206	13789	13373	12958	12543	
1956	25028	24681	24334	23987	23640	23293	22946	22599	22252	21905	21558	21211	20864	20517	20170	19823	19476	19129	18782	18435	18088	17741	17394	17047	16700	16353	16006	15659	15312	14965	14618	14271	
1957	146803	1448715	144884	143490	142482	141212	140100	139095	138142	137454	136860	136266	135672	135078	134484	133890	133296	132702	132108	131514	130920	130326	129732	129138	128544	127950	127356	126762	126168	125574	124980	124386	
1958	367437	363363	358220	353075	347930	342785	337640	332495	327350	322205	317060	311915	306770	301625	296480	291335	286190	281045	275900	270755	265610	260465	255320	250175	245030	239885	234740	229595	224450	219305	214160	209015	
1959	93334	92614	91734	90635	89887	89133	88436	87738	87000	86233	85451	84654	83841	83011	82174	81331	80483	79630	78772	77909	77042	76171	75296	74417	73534	72647	71756	70861	70000	69133	68260	67383	
1960	55001	54244	53475	52711	52014	51284	50525	49864	49279	48683	48083	47478	46868	46253	45633	45008	44378	43743	43103	42458	41809	41156	40499	39838	39173	38504	37831	37154	36473	35788	35099	34406	
1961	129158	128707	128064	127351	126549	125629	124628	123500	122264	120930	119498	117971	116350	114636	112829	110930	108939	106856	104681	102414	100056	97607	95066	92434	89711	86908	84026	81065	78035	74936	71768	68531	
1962	336156	333640	330962	328269	325721	323238	320937	319001	318572	316987	315108	313066	310864	308511	306018	303386	300615	297705	294656	291468	288141	284675	281070	277326	273444	269425	265269	260976	256547	251983	247285	242553	
1963	122182	121206	120248	119490	118655	117829	117307	116842	116581	116418	116356	116284	116201	116108	116005	115892	115769	115636	115493	115340	115177	115004	114821	114628	114425	114212	113989	113756	113513	113260	113007	112754	
1964	138353	137508	136502	135348	134048	132689	131269	130019	128866	127803	126831	125959	125187	124415	123743	123171	122600	122029	121458	120887	120316	119745	119174	118603	118032	117461	116890	116319	115748	115177	114606	114035	113464
1965	524419	522240	519648	517137	513893	510552	506900	503048	499104	494300	489642	484222	479048	473181	466720	460673	454942	449526	444424	439636	435164	431008	427168	423644	420436	417546	414984	412750	410844	409276	408048	407160	
1966	166474	164837	163408	161771	160085	158237	156458	154618	152433	150722	148582	146542	144502	142462	140422	138382	136342	134302	132262	130222	128182	126142	124102	122062	120022	117982	115942	113902	111862	109822	107782	105742	
1967	551157	549810	548500	542243	538256	534174	531534	528682	523383	518905	515730	511962	507436	503189	499424	496141	493324	490974	489091	487674	486724	486246	486236	486698	487246	487886	488518	489242	490058	490968	491972	493070	
1968	166474	164837	163408	161771	160085	158237	156458	154618	152433	150722	148582	146542	144502	142462	140422	138382	136342	134302	132262	130222	128182	126142	124102	122062	120022	117982	115942	113902	111862	109822	107782	105742	
1969	551157	549810	548500	542243	538256	534174	531534	528682	523383	518905	515730	511962	507436	503189	499424	496141	493324	490974	489091	487674	486724	486246	486236	486698	487246	487886	488518	489242	490058	490968	491972	493070	
1970	263477	261041	258618	255983	252988	250636	247798	245006	242014	239186	236449	233866	231442	229176	227068	225112	223314	221674	220194	218874	217704	216684	215814	215094	214524	214094	213804	213654	213624	213704	213804	213924	
1971	167821	165862	163789	161603	159218	156644	153984	151254	148474	145654	142794	139904	137004	134104	131204	128304	125404	122504	119604	116704	113804	110904	108004	105104	102204	99304	96404	93504	90604	87704	84804	81904	
1972	74967	74041	73191	72348	71512	70687	69872	69067	68272	67486	66709	65942	65184	64436	63698	62969	62250	61540	60840	60150	59470	58800	58140	57490	56850	56220	55600	55000	54420	53860	53320	52800	
1973	319637	317214	314686	312036	309381	306726	304071	301416	298761	296106	293451	290796	288141	285486	282831	280176	277521	274866	272211	269556	266901	264246	261591	258936	256281	253626	250971	248316	245661	243006	240351	237696	
1974	409174	407545	404677	402201	399822	397544	395307	393120	390983	388896	386859	384872	382935	381048	379211	377424	375687	374000	372363	370776	369239	367752	366315	364928	363591	362304	361067	359880	358743	357656	356619	355632	
1975	270088	267366	264700	261877	258820	255693	252456	249139	245762	242345	238898	235431	231954	228467	224970	221463	217946	214419	210882	207335	203778	200211	196634	193047	189450	185843	182226	178609	174982	171345	167698	164051	
1976	86346	85478	84695	83988	83350	82782	82284	81856	81498	81200	80962	80784	80656	80578	80540	80542	80584	80666	80788	80950	81152	81394	81676	81998	82360	82762	83204	83686	84208	84770	85372	86014	
1977	51981	51227	50427	49688	48900	48164	47481	46851	46274	45752	45285	44874	44518	44208	43944	43726	43554	43428	43348	43304	43296	43324	43388	43480	43600	43748	43924	44128	44360	44620	44908	45224	
1978	466556	464400	461639	459398	457403	455607	454007	452600	451373	450314	449421	448682	448096	447664	447384	447154	447000	446912	446880	446904	446984	447128	447336	447608	447944	448344	448808	449336	449928	450584	451304	452088	
1979	320707	317188	313566	309815	306040	302264	298489	294714	290939	287164	283389	279614	275839	272064	268289	264514	260739	256964	253189	249414	245639	241864	238089	234314	230539	226764	222989	219214	215439	211664	207889	204114	
1980	537775	534786	531435	528222	525156	522234	519456	516821	514329	511972	509741	507624	505621	503732	501951	500278	498711	497250	495894	494643	493496	492453	491514	490679	490000	489467	489070	488808	488680	488680	488800	488944	
1981	217432	215626	213682	211604	209400	207076	204636	202084	199421	196656	193791	190826	187761	184596	181341	177986	174541	171006	167381	163666	159861	155966	151991	147936	143801	139586	135291	130916	126451	121896	117251	112516	
1982	509249	506982	504639	502222	499740	497190	494580	491910	489180	486400	483570	480690	477760	474790	471780	468730	465640	462510	459340	456130	452880	449590	446260	442890	439480	436030	432540	429010	425440	421830	418180	414500	
1983	519616	518203	516825	515482	514174	512900	511659	510442	509250	508083	506941	505824	504732	503665	502627	501618	500638	499677	498735	497812	496908	496023	495157	494310	493482	492673	491883	491111	490358	489624	488908	488210	
1984	351934	349628	347339	345066	342819	340598	338403	336234	334091	331974	329883	327816	325773	323754	321761	319794	317851	315932	314037	312166	310319	308496	306697	304922	303171	301444	299741	298062	296407	294776	293169	291586	
1985	285291	282856	280339	277842	275374	272944	270552	268198	265882	263604	261364	259161	257000	254881	252804	250768	248773	246818	244904	243031	241198	239405	237692	236069	234536	233093	231740	230477	229304	228221	227228	226325	
1986	465001	462085	459336	456752	454339	452084	450000	448086	446333	444741	443311	441944	440641	439402	438227	437116	436069	435086	434157	433282	432461	431694	430981	430322	429717	429165	428606	428100	427637	427218	426844	426515	
1987	197086	195742	194442	193044	191688	190288	188864	187507	18619																								

# ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

**SEPTEMBER**

*Units in acre-feet*

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1954	23182	22774	22285	21980	21590	21200	20788	20410	19962	19500	19032	18684	18384	18000	17712	17364	17023	16715	16418	16187	15934	15659	15384	15064	14735	14449	14163	13877	13591	13349	
1955	18643	18617	18590	18560	18524	18480	18437	18387	18333	18275	18214	18150	18084	18015	17943	17868	17790	17709	17625	17539	17451	17360	17267	17172	17075	16976	16875	16772	16667	16561	16454
1956	187562	186494	185500	184482	183413	182219	180855	179621	178448	177337	176285	175294	174364	173496	172689	171943	171257	170631	170065	169558	169101	168694	168337	168030	167772	167564	167406	167298	167240	167232	
1957	120343	118669	116900	115000	112968	111740	110355	108823	107154	105368	103574	101782	100002	98234	96487	94761	93056	91381	89736	88121	86536	84981	83456	81961	80496	79061	77656	76281	74936	73621	72336
1958	275463	273580	271637	269687	267744	265845	264013	262278	260650	259129	257724	256435	255262	254205	253264	252439	251729	251134	250654	250289	250039	249904	249884	249969	250060	250157	250260	250369	250484	250605	250732
1959	77616	77264	76912	76559	76207	75855	75503	75151	74800	74449	74100	73752	73405	73059	72714	72370	72028	71688	71349	71012	70677	70344	70013	69684	69357	69032	68709	68388	68069	67752	67437
1960	36351	35997	35728	35530	35390	35296	35237	35204	35186	35192	35212	35244	35287	35341	35406	35482	35569	35666	35773	35890	36017	36154	36301	36458	36625	36802	36989	37186	37393	37610	
1961	24059	23693	23677	23416	23092	22738	22357	21960	21564	21173	20787	20406	20030	19660	19296	18938	18586	18240	17900	17566	17238	16916	16600	16290	15986	15689	15398	15113	14834	14561	14294
1962	108946	109409	108782	108110	107395	106732	106036	105428	104817	104203	103586	102966	102343	101718	101091	100461	99829	99214	98606	98005	97411	96824	96243	95668	95100	94538	93982	93432	92888	92350	91818
1963	258920	257253	255385	253891	252396	251201	250305	249271	248096	246826	245464	244021	242507	240933	239300	237619	235891	234126	232334	230526	228703	226866	225016	223154	221281	219398	217505	215602	213689	211766	209833
1964	101485	101286	101244	101159	101074	100987	100894	100796	100693	100586	100475	100360	100241	100118	99992	99853	99701	99536	99360	99173	98975	98767	98549	98322	98086	97841	97587	97325	97056	96781	96508
1965	242154	240693	239552	238525	237697	236967	236334	235799	235364	234929	234494	234059	233624	233189	232754	232319	231884	231449	231014	230579	230144	229709	229274	228839	228404	227969	227534	227099	226664	226229	225794
1966	101330	100862	100439	99974	99583	99267	98936	98591	98234	97863	97478	97079	96666	96241	95804	95355	94895	94424	93942	93449	92946	92433	91910	91377	90834	90281	89718	89145	88562	87969	87366
1967	368436	364987	361295	357691	354472	351000	347280	343316	339462	335543	331572	327554	323494	319398	315271	311110	306921	302701	298457	294187	289889	285561	281203	276814	272394	267943	263461	258948	254404	249829	245223
1968	127522	127203	126904	126555	126206	125810	125368	124881	124350	123784	123183	122547	121876	121170	120429	119654	118845	118002	117125	116214	115269	114291	113280	112236	111159	110040	108879	107676	106431	105144	103815
1969	427910	424392	420772	417178	413793	410518	407449	404677	401821	399069	396610	394253	391910	389577	387254	384941	382638	380345	378062	375789	373526	371273	369030	366797	364574	362361	360158	357965	355782	353609	351446
1970	193828	192477	191196	189800	188519	187278	186003	184822	183643	182467	181294	180124	178957	177793	176632	175476	174325	173179	172037	170899	169765	168636	167511	166391	165276	164166	163061	161961	160866	159776	158691
1971	138882	139088	137561	137035	136511	135988	135466	134944	134422	133900	133378	132856	132334	131812	131290	130768	130246	129724	129202	128680	128158	127636	127114	126592	126070	125548	125026	124504	123982	123460	122938
1972	52528	52528	52501	52420	52339	52258	52177	52096	52015	51934	51853	51772	51691	51610	51529	51448	51367	51286	51205	51124	51043	50962	50881	50800	50719	50638	50557	50476	50395	50314	50233
1973	252915	252170	250764	249080	247196	245144	242980	240716	238352	235888	233324	230660	227896	225032	222068	219004	215840	212576	209212	205748	202184	198520	194756	190892	186928	182864	178700	174436	170072	165708	161344
1974	330069	328902	326399	322894	318280	312666	306052	298438	289824	280210	269596	258082	245568	232054	217540	202026	185512	168000	149488	130076	108764	85552	60440	34328	716	-1616	-3232	-4748	-6264	-7780	-9296
1975	196675	195443	194290	193184	192195	191324	190492	189727	189031	188395	187819	187303	186847	186451	186115	185839	185623	185467	185361	185305	185299	185343	185437	185581	185775	186019	186313	186657	187051	187495	187989
1976	69487	67799	67148	66565	66083	65697	65311	64925	64539	64153	63767	63381	62995	62609	62223	61837	61451	61065	60679	60293	59907	59521	59135	58749	58363	57977	57591	57205	56819	56433	56047
1977	39086	38634	38190	37849	37508	37167	36826	36485	36144	35803	35462	35121	34780	34439	34098	33757	33416	33075	32734	32393	32052	31711	31370	31029	30688	30347	30006	29665	29324	28983	28642
1978	363979	362213	360543	357961	354379	349797	344215	337633	329051	318469	305887	291305	274723	256141	234559	209977	182395	151813	118231	82649	44467	42285	40103	37921	35739	33557	31375	29193	27011	24829	22647
1979	235607	234806	233922	232962	231943	230874	229795	228706	227617	226528	225439	224350	223261	222172	221083	220004	218925	217846	216767	215688	214609	213530	212451	211372	210293	209214	208135	207056	205977	204898	203819
1980	405306	401901	398417	394945	391473	388001	384529	381057	377585	374113	370641	367169	363697	360225	356753	353281	349809	346337	342865	339393	335921	332449	328977	325505	322033	318561	315089	311617	308145	304673	301201
1981	177334	176720	176292	175925	175611	175349	175141	174989	174897	174852	174857	174912	174927	174932	174937	174942	174947	174952	174957	174962	174967	174972	174977	174982	174987	174992	174997	175002	175007	175012	175017
1982	405696	403390	401224	399479	397740	395981	394180	392339	390458	388537	386576	384585	382564	380523	378472	376411	374350	372289	370228	368167	366106	364045	361984	359923	357862	355801	353740	351679	349618	347557	345496
1983	486660	484332	481778	478917	475654	472186	468637	465001	461288	457504	453649	449724	445729	441664	437529	433324	429049	424724	420349	415924	411449	406924	402349	397724	393049	388324	383549	378724	373849	368924	363949
1984	297625	296672	295592	294390	293034	291525	289869	288064	286110	284017	281784	279411	276908	274275	271512	268629	265626	262503	259260	255897	252424	248841	245148	241345	237432	233409	229276	225033	220680	216227	211674
1985	247420	243394	239582	235990	232622	229478	226559	223865	221406	219167	217148	215349	213770	212321	211002	209813	208754	207825	206926	206057	205218	204409	203630	202881	202152	201453	200784	200145	199526	198927	198348
1986	372377	370231	367906	365773	364014	362446	360967	359567	358246	356995	355814	354693	353632	352631	351690	350809	350000	349261	348582	347963	347394	346875	346406	346000	345658	345370	345136	344956	344820	344728	344670
1987	163383	162743	162045	161400	161177	160714	160253	159809	159363	158917	158471	158025	157579	157133	156687	156241	155795	155349	154903	154457	154011	153565	153119	152673	152227	151781	151335	150889	150443	150000	149556
1988	80268	80089	79982	79903	79841	79790	79749	79715	79687	79664	79646	79632	79623	79618	79614	79611	79609	79607	79606	79605	79604	7960									

# ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

**OCTOBER**

*Units in acre-feet*

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1954	13110	12900	12674	12465	12243	12000	11777	11512	11317	11122	10943	10790	10634	10478	10322	10166	10010	9854	9698	9542	9386	9230	9074	8918	8762	8606	8450	8294	8138	7982	7826	
1955	14614	14529	14434	14340	14246	14152	14058	13964	13870	13776	13682	13588	13494	13400	13306	13212	13118	13024	12930	12836	12742	12648	12554	12460	12366	12272	12178	12084	11990	11896	11802	
1956	15291	15183	15075	14967	14859	14751	14643	14535	14427	14319	14211	14103	13995	13887	13779	13671	13563	13455	13347	13239	13131	13023	12915	12807	12699	12591	12483	12375	12267	12159	12051	
1957	10694	10658	10622	10586	10550	10514	10478	10442	10406	10370	10334	10298	10262	10226	10190	10154	10118	10082	10046	10010	9974	9938	9902	9866	9830	9794	9758	9722	9686	9650	9614	9578
1958	237313	236302	235291	234280	233269	232258	231247	230236	229225	228214	227203	226192	225181	224170	223159	222148	221137	220126	219115	218104	217093	216082	215071	214060	213049	212038	211027	210016	209005	207994	206983	
1959	74245	74177	74109	74041	73973	73905	73837	73769	73701	73633	73565	73497	73429	73361	73293	73225	73157	73089	73021	72953	72885	72817	72749	72681	72613	72545	72477	72409	72341	72273	72205	
1960	30543	30432	30321	30210	30099	29988	29877	29766	29655	29544	29433	29322	29211	29100	28989	28878	28767	28656	28545	28434	28323	28212	28101	27990	27879	27768	27657	27546	27435	27324	27213	
1961	18324	18364	18394	18424	18454	18484	18514	18544	18574	18604	18634	18664	18694	18724	18754	18784	18814	18844	18874	18904	18934	18964	18994	19024	19054	19084	19114	19144	19174	19204	19234	
1962	94638	94373	93973	93573	93173	92773	92373	91973	91573	91173	90773	90373	89973	89573	89173	88773	88373	87973	87573	87173	86773	86373	85973	85573	85173	84773	84373	83973	83573	83173	82773	
1963	214556	212126	209689	207408	205287	203266	201269	199291	197324	195374	193438	191514	189601	187699	185807	183925	182053	180191	178339	176506	174683	172869	171065	169271	167487	165713	163949	162195	160451	158717	156993	
1964	96884	96843	96802	96761	96720	96679	96638	96597	96556	96515	96474	96433	96392	96351	96310	96269	96228	96187	96146	96105	96064	96023	95982	95941	95900	95859	95818	95777	95736	95695	95654	
1965	88746	88358	87971	87584	87197	86810	86423	86036	85649	85262	84875	84488	84101	83714	83327	82940	82553	82166	81779	81392	81005	80618	80231	79844	79457	79070	78683	78296	77909	77522	77135	
1966	273662	270475	267155	263706	260335	257196	254109	251063	248058	245093	242168	239283	236438	233633	230868	228143	225458	222813	220208	217643	215118	212633	210188	207783	205418	203093	200808	198563	196358	194193	192068	
1967	351600	346315	341192	336231	331434	326801	322332	317927	313586	309309	305096	300947	296862	292841	288884	284991	281162	277397	273696	269959	266286	262677	259132	255653	252240	248893	245612	242397	239248	236165	233138	
1968	121992	121886	121798	121708	121617	121525	121432	121339	121246	121153	121060	120967	120874	120781	120688	120595	120502	120409	120316	120223	120130	120037	119944	119851	119758	119665	119572	119479	119386	119293	119200	
1969	168734	168257	167889	167483	167007	166526	166026	165523	165017	164507	164003	163494	162981	162464	161943	161418	160890	160358	159822	159282	158738	158190	157638	157082	156522	155957	155388	154815	154238	153657	153072	
1970	123598	123461	123304	123127	122940	122753	122566	122379	122192	122005	121818	121631	121444	121257	121070	120883	120696	120509	120322	120135	119948	119761	119574	119387	119200	119013	118826	118639	118452	118265	118078	
1971	50265	50239	50213	50187	50161	50135	50109	50083	50057	50031	50005	49979	49953	49927	49901	49875	49849	49823	49797	49771	49745	49719	49693	49667	49641	49615	49589	49563	49537	49511	49485	
1972	222261	220076	217983	215933	213934	211985	210086	208237	206438	204689	202990	201341	199742	198193	196644	195095	193546	192007	190468	188929	187390	185851	184312	182773	181234	179695	178156	176617	175078	173539	172000	
1973	274918	273537	272396	271363	270389	269474	268619	267814	267059	266354	265699	265094	264539	264034	263579	263174	262819	262514	262259	262054	261909	261864	261919	262084	262359	262744	263239	263854	264589	265454	266459	
1974	327931	325484	323136	320981	319134	317587	316240	315093	314146	313399	312852	312505	312358	312311	312364	312517	312770	313123	313576	314129	314792	315565	316448	317441	318554	319787	321140	322613	324206	325919	327752	
1975	179320	178276	177414	176714	176131	175654	175281	174911	174544	174181	173822	173467	173116	172769	172426	172087	171752	171421	171094	170771	170452	170137	169826	169519	169216	168917	168622	168331	168044	167761	167482	
1976	70447	70407	70481	70481	70514	70548	70582	70616	70650	70684	70718	70752	70786	70820	70854	70888	70922	70956	70990	71024	71058	71092	71126	71160	71194	71228	71262	71296	71330	71364	71398	
1977	36407	36407	36345	36345	36303	36261	36219	36177	36135	36093	36051	36009	35967	35925	35883	35841	35799	35757	35715	35673	35631	35589	35547	35505	35463	35421	35379	35337	35295	35253	35211	
1978	366229	364142	361974	359826	357697	355588	353500	351433	349396	347389	345412	343465	341548	339661	337804	335977	334180	332413	330676	328969	327292	325645	324028	322441	320894	319377	317890	316433	315006	313609	312242	310905
1979	217918	217708	217569	217432	217292	217148	217001	216851	216700	216548	216395	216241	216086	215931	215776	215621	215466	215311	215156	215001	214846	214691	214536	214381	214226	214071	213916	213761	213606	213451	213296	
1980	327931	325484	323136	320981	319134	317587	316240	315093	314146	313399	312852	312505	312358	312311	312364	312517	312770	313123	313576	314129	314792	315565	316448	317441	318554	319787	321140	322613	324206	325919	327752	
1981	171800	171468	171258	171198	171137	171077	171017	170957	170897	170837	170777	170717	170657	170597	170537	170477	170417	170357	170297	170237	170177	170117	170057	169997	169937	169877	169817	169757	169697	169637	169577	
1982	374716	373779	372964	372254	371649	371140	370727	370410	370189	370064	370035	370102	370265	370524	370879	371330	371878	372523	373265	374104	375040	376074	377206	378436	379764	381191	382717	384342	386066	387889	389812	391845
1983	394752	392927	391011	389290	387674	386163	384757	383456	382260	381169	380184	379305	378532	377865	377304	376848	376497	376251	376110	376074	376143	376317	376596	376980	377469	378064	378765	379572	380485	381506	382634	
1984	276746	275967	275290	274633	274003	273498	273117	272859	272725	272706	272794	272989	273290	273697	274210	274829	275454	276086	276825	277671	278624	279684	280854	282133	283521	285019	286627	288345	290174	292113	294162	
1985	202842	202174	201510	200850	200297	199851	199511	199276	199145	199114	199183	199352	199621	199990	200459	201028	201697	202466	203335	204304	205373	206542	207811	209180	210649	212318	214187	216256	218525	220994	223663	
1986	326445	324440	322401	320433	318540	316824	315295	313954	312801	311836	311061	310476	310081	309876	309851	309996	310311	310806	311481	312336	313371	314586	315981	317556	319311	321256	323391	325716	328241	330966	333891	
1987	150708	150212	149715	149219	148719	148219	147716	147211	146704	146194	145681	145165	144646	144123	143597	143067	142533	141995	141453	140907	140357	139803	139245	138683	138117	137557	137003	136455	135913	135377	134847	
1988	75041	74972	74903	74834	74765	74696	74627	74558	74489	74420	74351	74282	74213	74144	74075	74006	73937	73868	73799	73730	73661	73592	73523	73454	73385	7331						

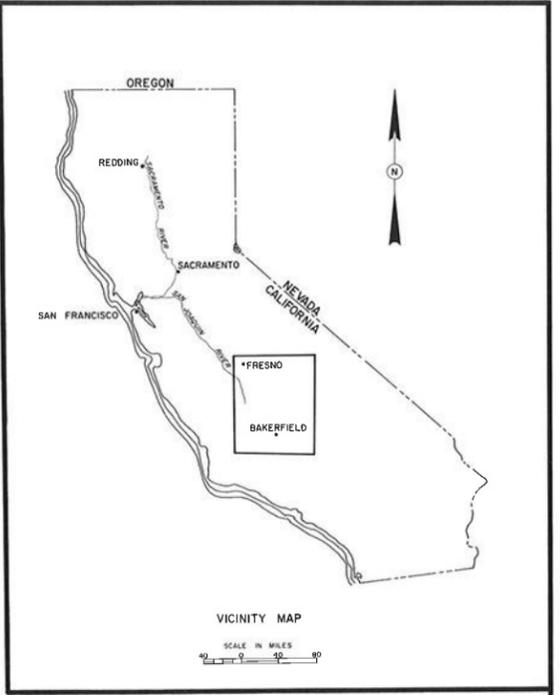
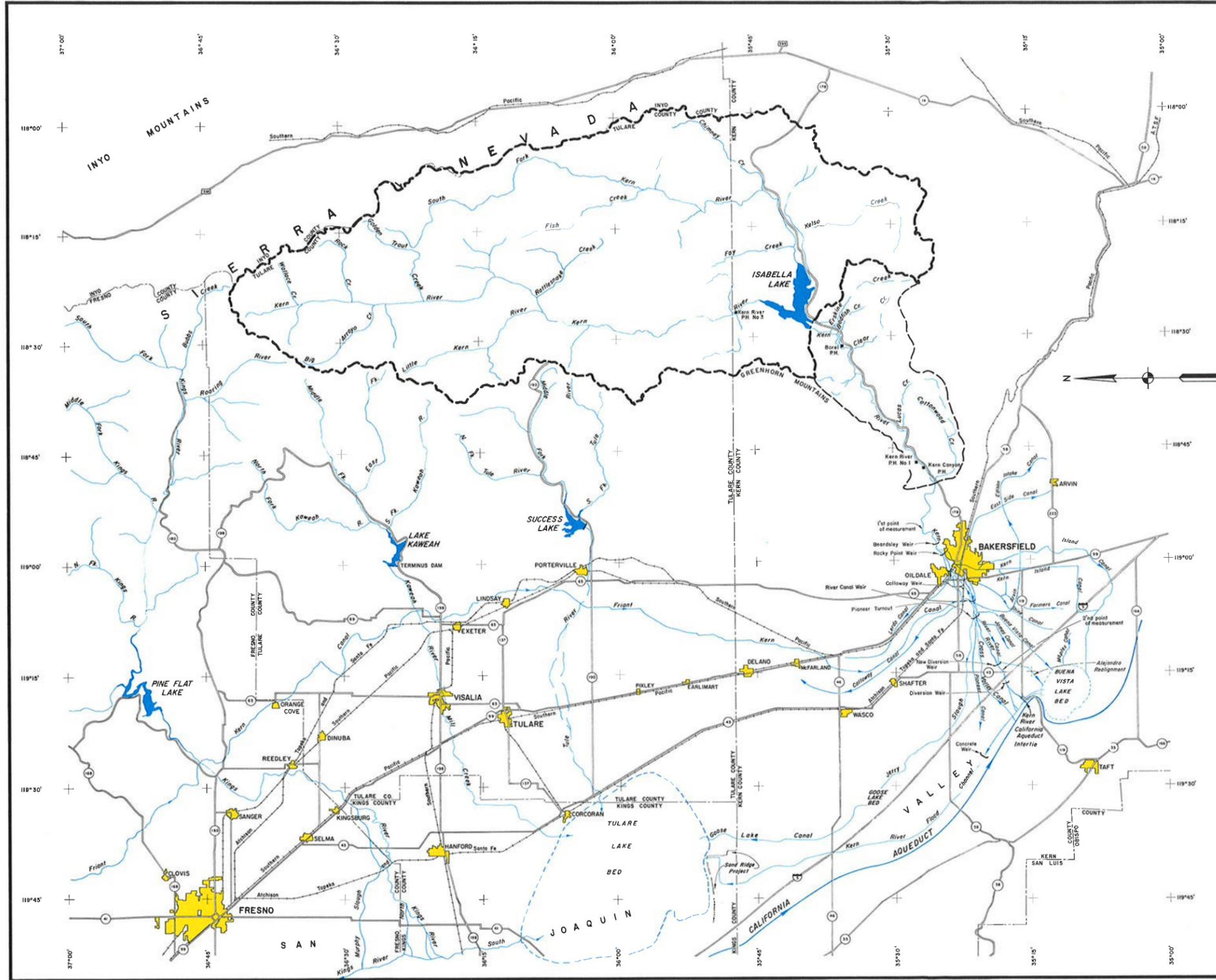


# ISABELLA RESERVOIR KERN RIVER BASIN, CALIFORNIA MIDNIGHT STORAGE

**DECEMBER**

*Units in acre - feet*

Year	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
1954	8537	8537	8558	8600	8607	8600	8607	8607	8621	8649	8649	8649	8656	8656	8656	8656	8663	8663	8663	8670	8670	8684	8684	8694	8694	8694	8694	8694	8694	8694	8694	
1955	12614	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	12663	
1956	131125	131125	131021	130970	130970	130918	130918	130875	130875	130875	130875	130875	130875	130875	130875	130875	130875	130875	130875	130875	130875	130875	130875	130875	130875	130875	130875	130875	130875	130875	130875	
1957	101244	101201	101201	101159	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	101126	
1958	199154	199089	199089	199024	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	198984	
1959	71905	71772	71729	71706	71674	71641	71608	71575	71542	71509	71476	71443	71410	71377	71344	71311	71278	71245	71212	71179	71146	71113	71080	71047	71014	70981	70948	70915	70882	70849	70816	
1960	28378	29380	29341	29341	29323	29304	29286	29268	29250	29232	29214	29196	29178	29160	29142	29124	29106	29088	29070	29052	29034	29016	28998	28980	28962	28944	28926	28908	28890	28872	28854	
1961	17575	17663	17650	17638	17626	17614	17602	17590	17578	17566	17554	17542	17530	17518	17506	17494	17482	17470	17458	17446	17434	17422	17410	17398	17386	17374	17362	17350	17338	17326	17314	
1962	83751	81714	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	83676	
1963	179527	170467	170467	170406	170346	170286	170226	170166	170106	170046	169986	169926	169866	169806	169746	169686	169626	169566	169506	169446	169386	169326	169266	169206	169146	169086	169026	168966	168906	168846	168786	
1964	94867	94949	94908	94867	94826	94785	94744	94703	94662	94621	94580	94539	94498	94457	94416	94375	94334	94293	94252	94211	94170	94129	94088	94047	94006	93965	93924	93883	93842	93801	93760	
1965	71014	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	68963	
1966	82714	83011	84616	85298	85936	86574	87212	87850	88488	89126	89764	90402	91040	91678	92316	92954	93592	94230	94868	95506	96144	96782	97420	98058	98696	99334	99972	100610	101248	101886	102524	
1967	200863	200330	200265	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068	200068
1968	119444	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387	113387
1969	225196	224376	224306	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267	224267
1970	160027	160491	160607	160782	161130	161946	162705	163481	164289	165129	165999	166899	167829	168789	169769	170769	171789	172829	173889	174969	176069	177189	178329	179489	180669	181869	183089	184329	185589	186869	188169	189489
1971	120689	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641	120641
1972	52070	51989	51989	52036	52099	52176	52266	52366	52476	52596	52726	52866	53016	53176	53346	53526	53716	53916	54126	54346	54576	54816	55066	55326	55596	55876	56166	56466	56776	57096	57426	
1973	204684	204871	204751	204685	204618	204552	204486	204420	204354	204288	204222	204156	204090	204024	203958	203892	203826	203760	203694	203628	203562	203496	203430	203364	203298	203232	203166	203100	203034	202968	202902	202836
1974	248126	247825	247675	247449	247229	247009	246789	246569	246349	246129	245909	245689	245469	245249	245029	244809	244589	244369	244149	243929	243709	243489	243269	243049	242829	242609	242389	242169	241949	241729	241509	241289
1975	170190	170249	170309	170368	170428	170488	170548	170608	170668	170728	170788	170848	170908	170968	171028	171088	171148	171208	171268	171328	171388	171448	171508	171568	171628	171688	171748	171808	171868	171928	171988	172048
1976	66586	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583	66583
1977	34888	34887	34847	34807	34767	34727	34687	34647	34607	34567	34527	34487	34447	34407	34367	34327	34287	34247	34207	34167	34127	34087	34047	34007	33967	33927	33887	33847	33807	33767	33727	33687
1978	248126	247825	247675	247449	247229	247009	246789	246569	246349	246129	245909	245689	245469	245249	245029	244809	244589	244369	244149	243929	243709	243489	243269	243049	242829	242609	242389	242169	241949	241729	241509	241289
1979	208719	208683	208681	208679	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681	208681
1980	230532	230460	230478	230448	230418	230388	230358	230328	230298	230268	230238	230208	230178	230148	230118	230088	230058	230028	229998	229968	229938	229908	229878	229848	229818	229788	229758	229728	229698	229668	229638	229608
1981	167676	167676	167616	167488	167380	167291	167221	167161	167101	167041	166981	166921	166861	166801	166741	166681	166621	166561	166501	166441	166381	166321	166261	166201	166141	166081	166021	165961	165901	165841	165781	165721
1982	267794	267168	266306	265056	263498	261170	258777	256243	253677	251025	248349	245694	243004	240336	237625	234906	232224	229524	226852	224244	221624	219034	216484	213924	211354	208774	206184	203584	200974	198354	195724	193094
1983	300040	298123	299290	298040	296539	294796	292789	290539	288089	285499	282829	280129	277369	274589	271729	268829	265849	262829	259729	256549	253329	250089	246829	243549	240249	236929	233589	230229	226849	223449	220029	216589
1984	254104	253724	253115	252507	251777	250985	250085	249145	248175	247185	246175	245145	244095	243025	241935	240825	239695	238545	237375	236185	235075	233945	232795	231625	230435	229225	227995	226745	225475	224185	222875	221545
1985	191688	193304	194733	195088	195124	195069	194984	194864	194714	194544	194354	194144	193914	193664	193404	193134	192854	192564	192264	191954	191634	191304	190964	190614	190254	189884	189504	189114	188714	188304	187884	187454
1986	245774	245703	245654	245624	245604	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594	245594
1987	146861	142768	142675	143303	143518	143464	143464	143357	143244	143126	143004	142878	142748	142614	142476	142334	142188	142038	141884	141726	141564	141398	141228	141054	140876	140694	140508	140318	140124	139926	139724	139518
1988	73074	73007	73007	72933																												



**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.

