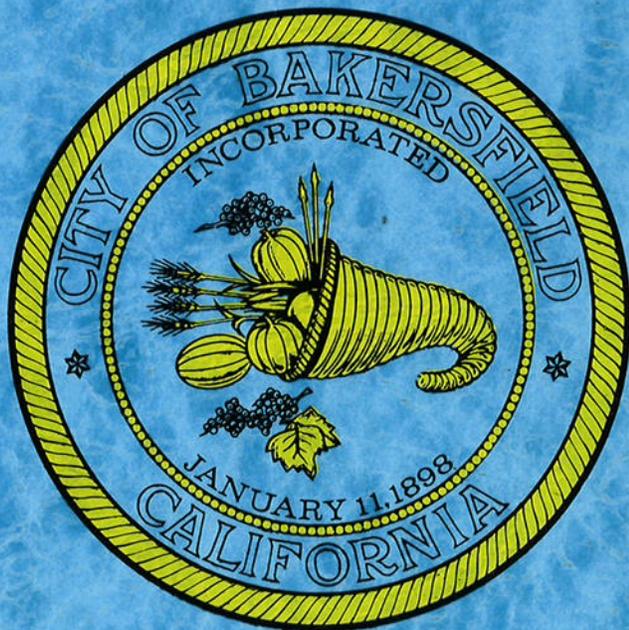


KERN RIVER 1986



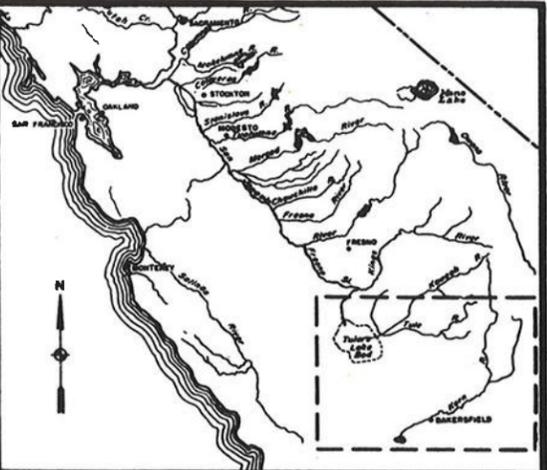
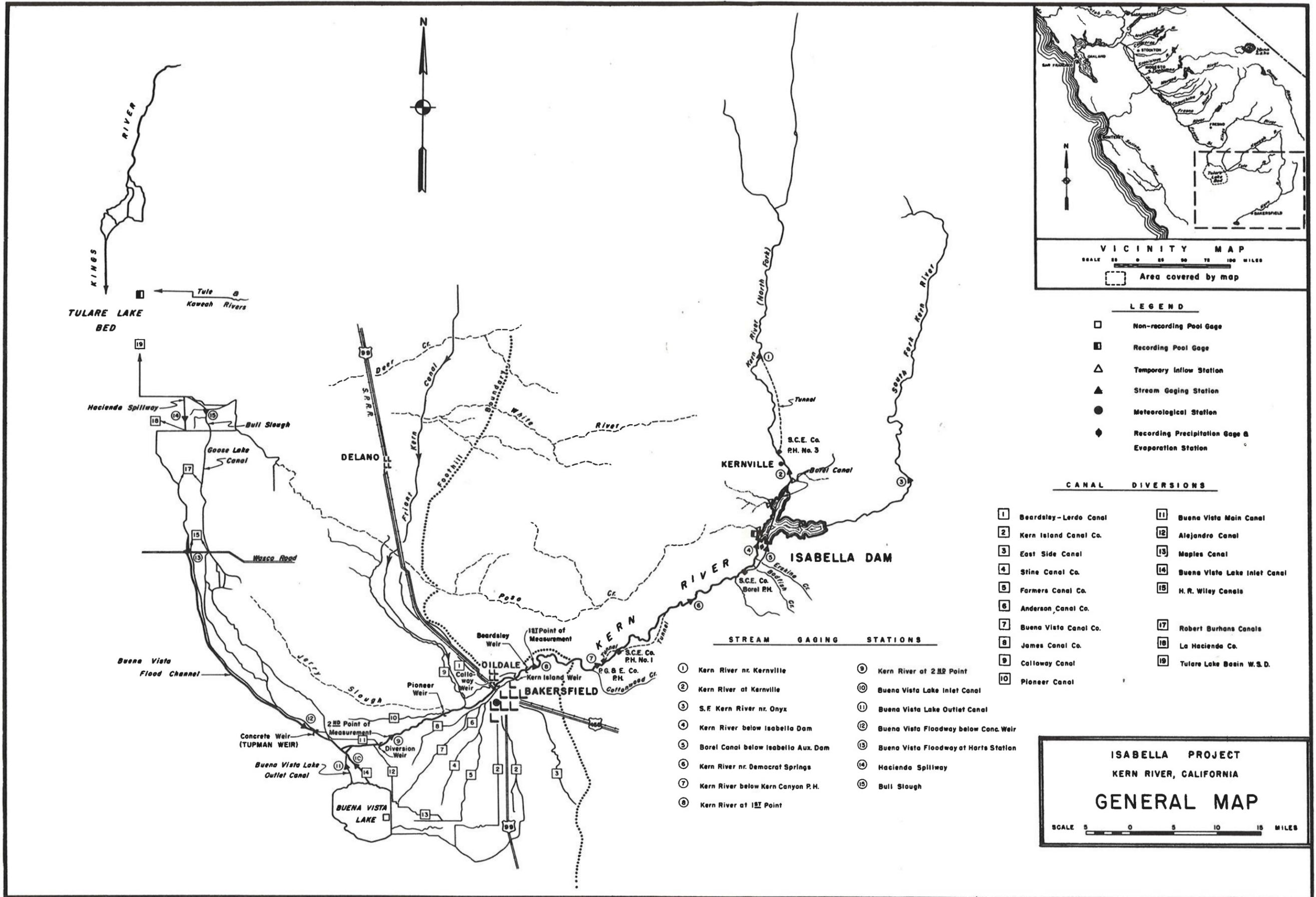
Prepared for:

ED STEINMETZ

1986
HYDROGRAPHIC ANNUAL REPORT

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LEGEND

- Non-recording Pool Gage
- Recording Pool Gage
- △ Temporary Inflow Station
- ▲ Stream Gaging Station
- Meteorological Station
- ◆ Recording Precipitation Gage & Evaporation Station

CANAL DIVERSIONS

- | | |
|-------------------------|---------------------------------|
| 1 Beardley-Lerdo Canal | 11 Buena Vista Main Canal |
| 2 Kern Island Canal Co. | 12 Alejandro Canal |
| 3 East Side Canal | 13 Maples Canal |
| 4 Stine Canal Co. | 14 Buena Vista Lake Inlet Canal |
| 5 Farmers Canal Co. | 15 H. R. Wiley Canals |
| 6 Anderson Canal Co. | 17 Robert Burhans Canals |
| 7 Buena Vista Canal Co. | 18 La Hacienda Co. |
| 8 James Canal Co. | 19 Tulare Lake Basin W.S.D. |
| 9 Calloway Canal | |
| 10 Pioneer Canal | |

STREAM GAGING STATIONS

- | | |
|---------------------------------------|--|
| 1 Kern River nr. Kernville | 9 Kern River at 2 ND Point |
| 2 Kern River at Kernville | 10 Buena Vista Lake Inlet Canal |
| 3 S.E. Kern River nr. Onyx | 11 Buena Vista Lake Outlet Canal |
| 4 Kern River below Isabella Dam | 12 Buena Vista Floodway below Conc. Weir |
| 5 Borel Canal below Isabella Aux. Dam | 13 Buena Vista Floodway at Harts Station |
| 6 Kern River nr. Democrat Springs | 14 Hacienda Spillway |
| 7 Kern River below Kern Canyon P.H. | 15 Bull Slough |
| 8 Kern River at 1 ST Point | |

ISABELLA PROJECT
KERN RIVER, CALIFORNIA
GENERAL MAP

SCALE 0 5 10 15 MILES

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
Measurements and Estimates were not made prior to September 29, 1893...																	
1893	acre-feet																
	mean s. f. d.																
1894	acre-feet	40,647	39,816	61,548	88,974	98,801	64,564	43,061	20,565	14,759	17,179	14,501	28,911	533,326			
	mean s. f. d.	661	717	1,001	1,495	1,607	1,890	1,085	334	248	279	244	470		2,208	172	737
1895	acre-feet	49,769	69,521	84,456	162,071	268,635	172,890	91,133	38,672	20,452	20,091	20,604	24,758	11,023,052			
	mean s. f. d.	809	1,252	1,374	2,724	4,369	2,906	1,482	629	344	327	346	403		5,583	276	1,413
1896	acre-feet	45,951	35,510	58,494	57,864	86,174	146,124	82,760	29,885	18,061	16,401	21,108	21,360	619,692			
	mean s. f. d.	747	617	951	972	1,401	2,456	1,346	486	304	267	355	347		3,611	223	854
1897	acre-feet	22,949	44,941	56,756	173,393	281,639	137,393	61,837	28,842	17,728	20,888	21,146	25,922	893,434			
	mean s. f. d.	373	809	923	2,914	4,580	2,309	1,006	469	298	340	355	422		5,342	260	1,234
1898	acre-feet	22,332	24,105	23,882	42,248	45,213	32,809	15,033	7,390	6,885	9,830	9,884	12,216	251,827			
	mean s. f. d.	363	434	388	710	735	551	244	120	116	160	166	199		1,342	80	348
1899	acre-feet	16,185	16,754	36,279	53,133	51,353	79,178	30,046	9,600	6,248	9,852	13,180	17,064	338,872			
	mean s. f. d.	263	302	590	893	835	1,331	489	156	105	160	221	278		4,932	86	468
1900	acre-feet	22,266	15,562	25,384	20,102	68,295	76,366	24,125	8,860	9,903	9,808	20,787	22,915	332,373			
	mean s. f. d.	362	280	413	472	1,111	1,283	392	144	166	160	349	373		1,969	101	459
1901	acre-feet	30,337	47,760	78,109	83,190	186,446	197,792	114,613	59,536	20,535	19,468	22,429	19,874	880,089			
	mean s. f. d.	493	860	1,270	1,398	3,032	3,324	1,864	968	345	317	377	353		4,419	226	1,216
1902	acre-feet	17,407	20,582	48,546	107,403	109,904	128,853	43,436	19,172	11,695	12,242	16,739	16,560	552,539			
	mean s. f. d.	283	371	790	1,805	1,787	2,165	706	312	197	199	281	269		3,758	160	763
1903	acre-feet	21,531	25,192	35,575	74,315	132,097	139,222	53,355	18,623	11,357	10,681	12,107	12,340	546,395			
	mean s. f. d.	350	454	579	1,249	2,148	2,340	868	303	191	174	203	201		3,374	150	755
1904	acre-feet	11,982	19,902	40,996	59,812	113,205	103,904	39,725	28,733	15,901	26,955	17,006	14,828	492,949			
	mean s. f. d.	195	346	667	1,005	1,841	1,746	646	467	267	438	286	241		3,167	156	679
1905	acre-feet	17,258	22,001	50,598	62,047	117,748	132,766	53,835	20,134	12,563	12,744	14,041	16,074	531,809			
	mean s. f. d.	281	396	823	1,043	1,915	2,231	876	327	211	207	236	261		3,247	165	735
1906	acre-feet	42,623	34,750	126,844	173,143	360,234	458,418	399,841	141,384	57,925	37,464	29,931	37,983	11,900,540			
	mean s. f. d.	693	626	2,063	2,910	5,859	7,704	6,503	2,299	973	609	503	618		9,684	222	2,625
1907	acre-feet	41,697	56,834	83,272	197,720	199,950	183,995	97,083	41,940	24,623	22,428	19,747	21,611	990,900			
	mean s. f. d.	678	1,023	1,354	3,323	3,252	3,092	1,579	682	414	332	332	351				1,369
1908	acre-feet	27,878	32,481	65,079	79,320	79,418	60,305	41,851	32,378	21,763	21,487	18,206	18,337	498,503			
	mean s. f. d.	453	565	1,058	1,333	1,292	1,013	681	527	366	349	306	298				687
1909	acre-feet	118,441	125,050	128,649	247,402	382,617	394,086	194,870	66,224	43,448	31,214	34,350	72,292	1,638,643			
	mean s. f. d.	1,926	2,252	2,092	4,168	6,223	6,223	3,169	1,077	730	508	577	1,176		11,870	295	2,540
1910	acre-feet	73,523	48,904	85,085	102,883	127,733	79,464	42,046	24,216	17,201	18,976	18,881	19,959	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 RECORD
KERN RIVER AT FIRST POINT OF MEASUREMENT

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1911	acre-feet	38,241	53,944	80,166	138,113	184,481	222,076	156,498	45,880	25,222	25,422	21,691	21,650	1,013,384	5,383	273	--
	mean s. f. d.	622	971	1,304	3,321	3,000	3,732	2,545	746	424	413	365	352	--	--	--	1,400
1912	acre-feet	23,320	21,302	28,090	37,246	80,471	100,925	33,170	16,553	10,899	11,780	11,772	11,804	387,432	3,220	147	534
	mean s. f. d.	379	302	457	626	1,309	1,696	539	271	183	192	198	192	--	--	--	--
1913	acre-feet	13,019	15,731	25,191	42,494	73,561	60,738	34,929	31,454	25,357	13,402	15,368	16,596	367,840	1,976	126	508
	mean s. f. d.	212	283	410	714	1,196	1,021	568	512	426	218	258	270	--	--	--	--
1914	acre-feet	116,541	62,575	102,739	144,934	210,676	201,064	128,338	55,127	25,240	24,462	20,390	21,427	1,113,513	18,287	285	1,538
	mean s. f. d.	1,895	1,127	1,671	2,436	3,426	3,379	2,087	897	424	398	343	348	--	--	--	--
1915	acre-feet	22,500	30,254	48,536	80,916	124,506	172,324	77,496	24,668	16,457	14,452	14,858	19,320	646,287	4,249	203	891
	mean s. f. d.	366	545	789	1,360	2,025	2,896	1,260	401	277	235	250	314	--	--	--	--
1916	acre-feet	172,346	202,510	378,116	481,749	472,994	391,700	225,154	56,755	33,808	41,774	30,879	32,364	2,520,149	17,962	274	3,481
	mean s. f. d.	2,803	3,521	6,149	8,096	7,693	6,583	3,662	923	568	679	519	526	--	--	--	--
1917	acre-feet	40,128	44,894	65,242	126,329	165,062	187,638	81,275	36,990	19,696	17,970	18,488	19,370	823,082	4,331	267	1,137
	mean s. f. d.	653	808	1,061	2,123	2,684	3,153	1,322	602	331	292	311	315	--	--	--	--
1918	acre-feet	18,918	18,559	48,087	74,513	78,722	136,753	44,828	20,802	17,562	32,555	22,160	25,039	538,503	3,478	227	744
	mean s. f. d.	308	334	782	1,252	1,280	2,298	729	338	295	529	372	407	--	--	--	--
1919	acre-feet	21,098	23,002	37,973	86,574	140,215	81,844	34,364	16,288	11,722	13,835	13,884	18,325	499,124	4,299	156	689
	mean s. f. d.	343	414	618	1,455	2,280	1,375	559	265	197	225	233	298	--	--	--	--
1920	acre-feet	17,220	18,044	40,397	83,370	158,904	137,840	50,699	22,431	14,949	16,596	19,490	20,703	600,643	4,456	196	827
	mean s. f. d.	280	314	657	1,401	2,584	2,316	825	365	251	270	328	337	--	--	--	--
1921	acre-feet	23,520	30,791	55,402	51,723	100,096	120,387	49,119	18,073	12,595	13,160	12,960	21,673	509,519	3,548	110	704
	mean s. f. d.	383	554	901	869	1,628	2,023	799	294	212	214	218	352	--	--	--	--
1922	acre-feet	30,682	33,846	52,468	84,407	242,259	202,395	88,649	37,061	23,772	17,770	19,835	28,282	861,426	5,300	196	1,190
	mean s. f. d.	499	609	853	1,419	3,940	3,401	1,442	603	400	289	333	460	--	--	--	--
1923	acre-feet	26,863	25,720	31,372	73,355	120,849	82,328	55,800	22,322	18,054	15,495	14,348	13,809	500,515	3,275	179	691
	mean s. f. d.	437	463	510	1,233	1,965	1,387	908	363	303	252	241	225	--	--	--	--
1924	acre-feet	13,676	13,702	15,953	28,540	41,722	14,069	8,225	5,881	5,494	7,642	14,196	18,627	187,727	1,073	74	259
	mean s. f. d.	222	238	259	480	679	236	134	96	92	124	239	303	--	--	--	--
1925	acre-feet	17,992	26,333	31,299	56,408	102,016	96,252	58,437	25,938	11,405	12,906	12,305	14,622	465,913	2,819	148	635
	mean s. f. d.	293	474	509	948	1,659	1,618	950	422	192	210	207	238	--	--	--	--
1926	acre-feet	12,022	15,667	24,739	66,079	98,598	49,530	18,575	9,522	7,029	8,358	28,493	28,094	366,706	6,511	74	507
	mean s. f. d.	196	282	402	1,110	1,604	832	302	155	118	136	479	457	--	--	--	--
1927	acre-feet	20,485	75,279	73,083	100,362	184,721	161,153	75,481	26,817	14,842	14,037	27,180	19,140	792,580	6,571	188	1,095
	mean s. f. d.	333	1,355	1,189	1,687	3,004	2,708	1,228	436	249	228	457	311	--	--	--	--
1928	acre-feet	18,452	17,818	32,668	37,757	76,885	60,344	18,716	9,189	6,583	8,732	11,974	13,710	312,828	2,058	101	431
	mean s. f. d.	300	310	531	635	1,250	1,014	304	149	111	142	201	223	--	--	--	--
1929	acre-feet	13,864	14,654	25,176	39,064	85,995	63,487	30,966	12,797	9,146	8,793	9,035	9,961	322,958	2,003	119	446
	mean s. f. d.	225	264	409	656	1,399	1,067	504	208	154	143	152	162	--	--	--	--
1930	acre-feet	12,234	20,099	34,550	53,506	67,851	82,824	28,401	11,819	7,743	9,314	11,042	10,590	349,973	4,423	118	483
	mean s. f. d.	199	362	562	899	1,103	1,392	462	192	130	151	186	172	--	--	--	--

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1931	acre-feet	12,284	13,785	15,784	23,440	41,867	24,262	8,493	6,302	6,860	6,817	8,241	17,510	185,645	2,261	—	—
	mean s. f. d.	200	248	257	394	681	408	138	102	115	111	138	265	—	—	—	71
1932	acre-feet	22,235	39,596	68,647	111,273	154,742	166,404	94,013	28,243	13,593	13,942	12,077	12,962	737,727	3,726	—	—
	mean s. f. d.	362	688	1,116	1,870	2,517	2,797	1,529	459	228	227	203	211	—	—	—	180
1933	acre-feet	17,175	21,021	36,244	57,265	60,026	125,395	56,898	18,692	10,062	10,893	10,776	16,639	441,086	3,769	—	—
	mean s. f. d.	279	379	589	962	976	2,107	304	304	169	177	181	271	—	—	—	144
1934	acre-feet	20,033	16,842	27,429	39,919	43,065	21,820	11,341	6,948	7,043	8,196	11,272	13,757	227,665	914	—	—
	mean s. f. d.	326	303	446	671	700	367	184	113	118	133	189	224	—	—	—	82
1935	acre-feet	14,840	18,500	24,841	71,042	103,787	133,634	42,184	17,193	11,363	11,962	11,905	12,877	474,128	—	—	—
	mean s. f. d.	241	333	404	1,194	1,688	2,246	666	280	191	195	200	209	—	—	—	164
1936	acre-feet	14,737	46,808	57,374	157,290	219,404	137,028	67,902	32,987	14,372	15,423	15,828	17,294	796,447	—	—	—
	mean s. f. d.	240	814	933	2,643	3,568	2,303	1,104	536	242	251	266	281	—	—	—	194
1937	acre-feet	21,745	139,109	111,443	183,505	352,050	225,395	91,097	32,186	17,780	17,173	16,379	52,320	1,260,182	20,000	—	—
	mean s. f. d.	354	2,505	1,812	3,084	5,726	3,788	1,482	523	299	279	275	851	—	—	—	223
1938	acre-feet	31,265	42,455	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	4,505	2,129	881	482	447	416	423	—	—	—	356
1939	acre-feet	28,558	33,273	54,119	92,136	92,253	58,400	25,480	18,774	13,712	16,826	13,692	13,850	461,073	—	—	—
	mean s. f. d.	464	599	880	1,548	1,500	981	414	305	230	274	230	225	—	—	—	178
1940	acre-feet	45,082	65,032	77,810	118,175	196,465	145,503	50,471	18,926	13,234	14,670	16,007	27,723	789,098	—	—	—
	mean s. f. d.	733	1,131	1,265	1,986	3,195	2,445	821	308	222	239	269	451	—	—	—	167
1941	acre-feet	39,540	73,589	109,735	124,615	386,666	309,960	174,416	62,537	27,997	26,325	27,661	38,035	1,401,076	—	—	—
	mean s. f. d.	643	1,325	1,785	2,094	6,289	5,209	2,837	1,017	471	428	465	619	—	—	—	337
1942	acre-feet	49,438	40,834	58,487	112,586	150,036	178,754	81,529	30,284	16,500	14,648	16,130	22,740	771,966	—	—	—
	mean s. f. d.	804	735	951	1,832	2,440	3,004	1,326	493	277	238	271	370	—	—	—	141
1943	acre-feet	92,551	56,820	261,344	198,736	254,785	155,650	88,011	34,435	17,857	17,849	18,565	24,224	1,220,827	—	—	—
	mean s. f. d.	1,505	1,023	4,250	3,340	4,144	2,616	1,431	560	300	290	312	394	—	—	—	252
1944	acre-feet	27,473	32,781	69,836	80,223	150,109	115,862	59,197	20,305	12,843	12,952	21,521	22,435	625,537	—	—	—
	mean s. f. d.	447	570	1,136	1,348	2,441	1,947	963	330	216	211	362	365	—	—	—	191
1945	acre-feet	20,783	70,522	63,925	131,246	205,509	169,002	91,593	41,632	21,548	41,268	36,845	44,182	938,055	—	—	—
	mean s. f. d.	338	1,270	1,040	2,206	3,342	2,840	1,490	677	362	671	619	719	—	—	—	155
1946	acre-feet	45,481	34,854	60,958	109,658	155,476	85,880	39,733	20,091	13,261	16,141	31,365	37,785	650,683	—	—	—
	mean s. f. d.	740	628	991	1,843	2,529	1,443	646	327	223	263	527	615	—	—	—	192
1947	acre-feet	31,146	28,167	36,319	60,353	110,325	57,778	21,116	12,313	9,140	12,607	13,492	13,942	406,658	—	—	—
	mean s. f. d.	507	507	591	1,014	1,794	971	343	200	154	205	227	227	—	—	—	135
1948	acre-feet	13,486	13,267	16,233	43,976	86,108	78,565	31,331	9,927	6,899	8,908	9,586	11,220	329,506	—	—	—
	mean s. f. d.	219	231	264	739	1,400	1,320	510	161	116	145	161	182	—	—	—	97
1949	acre-feet	11,982	12,992	21,136	50,517	84,508	57,685	17,201	8,682	6,541	7,704	11,131	12,791	302,870	—	—	—
	mean s. f. d.	195	234	344	849	1,374	969	280	141	110	125	187	208	—	—	—	69
1950	acre-feet	17,119	39,761	37,087	76,155	98,483	90,367	34,901	12,179	10,393	9,955	96,968	77,992	601,360	—	—	—
	mean s. f. d.	278	716	603	1,280	1,602	1,519	568	198	175	162	1,630	1,268	—	—	—	128

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1951	acre-feet	32,975	30,018	35,101	48,914	85,039	88,990	38,941	12,966	7,793	9,364	11,958	40,163	442,222	--	--	--
	mean s. f. d.	536	541	571	822	1,383	1,495	633	211	131	152	201	653	--	8,341	69	611
1952	acre-feet	60,367	53,673	84,726	222,633	434,769	302,557	159,656	68,200	30,670	23,417	24,871	35,260	1,500,999	--	--	--
	mean s. f. d.	982	933	1,378	3,741	7,071	5,085	2,600	1,109	515	381	418	573	--	8,530	254	2,073
1953	acre-feet	60,760	40,498	38,709	70,730	86,019	103,164	69,657	21,503	12,730	13,125	15,023	16,915	548,833	--	--	--
	mean s. f. d.	988	729	630	1,189	1,399	1,734	1,133	350	214	213	252	275	--	3,798	119	758
1954	acre-feet	22,019	30,361	44,575	101,203	139,719	73,553	39,642	19,198	12,571	12,351	15,328	17,837	528,357	--	--	--
	mean s. f. d.	358	547	725	1,701	2,272	1,236	645	312	211	201	258	290	--	2,948	150	729
1955	acre-feet	20,438	24,625	29,734	37,567	69,544	86,660	31,014	19,293	9,840	10,100	12,526	92,959	444,300	--	--	--
	mean s. f. d.	332	443	484	631	1,131	1,456	504	314	165	164	211	1,512	--	12,711	101	614
1956	acre-feet	82,943	49,993	62,767	97,553	159,683	168,876	99,529	41,141	21,370	23,397	17,042	16,568	840,862	--	--	--
	mean s. f. d.	1,349	869	1,021	1,639	2,597	2,838	1,619	669	359	381	286	269	--	5,167	207	1,158
1957	acre-feet	18,535	26,178	31,357	38,644	79,355	132,359	41,988	17,518	12,111	13,648	14,013	18,632	444,338	--	--	--
	mean s. f. d.	301	471	510	649	1,291	2,224	683	285	204	222	235	303	--	3,411	147	614
1958	acre-feet	22,088	39,453	68,140	168,105	316,974	230,866	115,724	56,190	27,515	20,815	19,835	19,025	1,104,730	--	--	--
	mean s. f. d.	359	710	1,108	2,825	5,155	3,880	1,882	914	462	339	333	309	--	6,592	236	1,526
1959	acre-feet	20,592	22,258	33,274	40,566	39,945	32,061	18,013	10,094	9,852	9,689	10,419	11,215	257,978	--	--	--
	mean s. f. d.	335	401	541	682	650	539	293	164	166	158	175	182	--	944	104	356
1960	acre-feet	13,363	30,682	31,908	46,272	58,336	47,181	16,683	9,638	8,678	10,187	14,183	12,926	300,037	--	--	--
	mean s. f. d.	217	533	519	778	949	793	271	157	146	166	238	210	--	1,690	99	413
1961	acre-feet	11,466	10,905	14,221	24,137	29,980	24,305	8,952	16,018	8,463	7,353	9,554	12,288	177,642	--	--	--
	mean s. f. d.	186	196	231	406	488	408	146	261	142	120	161	200	--	626	99	245
1962	acre-feet	13,507	53,411	37,660	147,463	135,884	157,253	74,874	25,416	13,849	14,051	12,407	11,929	697,704	--	--	--
	mean s. f. d.	220	962	612	2,478	2,210	2,643	1,218	413	233	229	209	194	--	3,604	144	964
1963	acre-feet	27,793	101,595	42,594	69,412	137,839	163,944	105,384	47,008	28,883	27,291	25,837	23,470	801,450	--	--	--
	mean s. f. d.	452	1,829	699	1,167	2,242	2,755	1,714	765	485	444	434	382	--	15,584	160	1,107
1964	acre-feet	19,943	17,119	25,146	42,946	61,521	54,658	23,803	14,097	9,025	9,150	14,939	46,919	339,266	--	--	--
	mean s. f. d.	324	298	409	722	1,001	919	387	229	152	149	251	763	--	4,693	120	467
1965	acre-feet	46,768	31,702	36,359	80,043	131,980	149,357	95,288	49,105	22,036	17,631	29,542	30,551	720,362	--	--	--
	mean s. f. d.	761	571	591	1,345	2,146	2,510	1,550	799	370	287	496	497	--	3,322	226	995
1966	acre-feet	29,272	22,439	39,108	68,779	82,336	45,431	23,347	18,141	9,608	10,822	15,501	313,811	678,595	--	--	--
	mean s. f. d.	476	404	636	1,156	1,339	763	380	295	161	176	261	5,104	--	80,029	112	937
1967	acre-feet	63,580	65,831	86,200	99,509	269,631	311,063	243,802	94,834	55,255	36,230	34,546	35,746	1,396,227	--	--	--
	mean s. f. d.	1,034	1,185	1,402	1,672	4,385	5,228	3,965	1,542	929	589	581	581	--	7,223	419	1,928
1968	acre-feet	34,052	40,354	48,803	65,584	87,991	64,054	30,690	20,600	11,466	13,599	16,982	19,585	453,760	--	--	--
	mean s. f. d.	554	702	794	1,102	1,431	1,076	499	335	193	221	285	319	--	1,923	155	625
1969	acre-feet	178,493	111,342	157,595	378,333	617,968	496,796	254,777	111,100	49,936	36,036	34,862	34,132	2,461,370	--	--	--
	mean s. f. d.	2,903	2,005	2,563	6,358	10,050	8,349	4,144	1,807	839	586	566	555	--	24,216	344	3,400
1970	acre-feet	66,480	41,419	59,917	63,513	110,057	95,700	50,138	24,224	14,392	13,301	21,519	28,814	589,474	--	--	--
	mean s. f. d.	1,081	746	974	1,067	1,790	1,608	815	394	242	216	362	469	--	6,298	171	814

HISTORICAL RECAP
KERN RIVER AT FIRST POINT OF MEASUREMENT

YEAR	QUANTITY	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	TOTAL	MAX.	MIN.	MEAN
1971	acre-feet	34,143	30,960	41,913	52,661	66,635	82,707	42,472	19,841	11,371	11,540	14,102	19,109	427,454	--	--	--
	mean s. f. d.	555	557	682	885	1,084	1,390	691	323	191	188	237	311	--	1,895	--	155
1972	acre-feet	19,864	18,827	33,213	28,288	45,965	38,531	14,936	10,927	11,334	11,431	14,703	20,408	268,427	951	111	370
	mean s. f. d.	323	327	540	475	748	648	243	178	190	186	247	332	--	--	--	--
1973	acre-feet	33,628	35,395	52,778	110,892	288,652	230,390	93,834	41,028	23,030	18,895	22,342	27,788	979,652	5,886	220	1,353
	mean s. f. d.	547	655	858	1,864	4,694	3,872	1,526	667	387	307	375	452	--	--	--	--
1974	acre-feet	50,337	29,873	74,247	114,113	183,733	167,740	69,580	39,991	23,532	21,953	19,904	23,603	818,606	4,141	220	1,130
	mean s. f. d.	819	538	1,208	1,918	2,988	2,819	1,132	650	395	357	334	384	--	--	--	--
1975	acre-feet	21,521	26,725	42,815	46,602	147,001	140,560	51,917	22,625	17,133	16,209	15,049	16,310	564,567	3,783	164	780
	mean s. f. d.	350	481	696	783	2,391	2,364	844	368	288	264	253	265	--	--	--	--
1976	acre-feet	16,308	16,994	23,074	25,924	47,151	20,930	14,749	14,573	25,097	20,523	12,954	11,191	249,468	1,188	142	344
	mean s. f. d.	265	295	375	436	767	352	240	237	422	334	218	182	--	--	--	--
1977	acre-feet	13,456	13,704	14,765	23,391	25,630	35,655	10,973	10,979	7,815	8,146	8,456	24,028	196,998	2,049	57	272
	mean s. f. d.	219	247	240	393	417	599	178	179	131	132	142	391	--	--	--	--
1978	acre-feet	46,596	116,432	175,484	181,700	363,157	354,825	194,693	74,001	61,696	29,562	26,874	28,465	1,653,505	10,901	350	2,284
	mean s. f. d.	758	2,096	2,854	3,054	5,906	5,963	3,166	1,204	1,037	481	452	463	--	--	--	--
1979	acre-feet	34,062	41,825	72,299	102,079	164,935	106,112	46,733	27,243	19,583	19,781	18,779	19,230	672,661	3,540	229	929
	mean s. f. d.	554	753	1,176	1,715	2,682	1,783	760	443	329	322	316	313	--	--	--	--
1980	acre-feet	145,545	168,887	139,620	211,608	287,825	282,877	208,715	78,143	35,068	26,955	25,006	29,708	1,639,957	14,171	261	2,259
	mean s. f. d.	2,367	2,936	2,271	3,556	4,681	4,754	3,394	1,271	589	438	420	483	--	--	--	--
1981	acre-feet	28,709	34,762	45,608	69,320	91,914	65,817	25,630	17,389	13,222	14,781	18,922	23,189	449,263	2,211	157	621
	mean s. f. d.	467	626	742	1,165	1,495	1,106	417	283	222	240	318	377	--	--	--	--
1982	acre-feet	37,682	52,996	78,724	212,963	254,985	198,748	130,098	61,956	61,716	46,306	57,116	77,849	1,271,139	9,075	389	1,756
	mean s. f. d.	613	954	1,280	3,579	4,147	3,340	2,116	1,068	1,037	753	960	1,266	--	--	--	--
1983	acre-feet	87,905	138,514	265,543	206,473	478,625	571,846	288,866	154,935	68,503	53,300	71,599	103,019	2,489,128	14,038	602	3,438
	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	--	--	--	--
1984	acre-feet	76,054	60,926	82,738	91,359	161,613	93,114	77,046	49,698	26,306	26,428	35,020	39,455	821,797	3,305	288	1,132
	mean s. f. d.	1,237	1,059	1,346	1,535	2,628	1,565	1,253	808	476	430	589	642	--	--	--	--
1985	acre-feet	40,423	40,610	53,371	136,241	146,799	99,858	41,395	23,956	17,024	16,495	22,314	33,945	672,431	3,353	208	929
	mean s. f. d.	657	731	868	2,290	2,387	1,678	673	390	286	268	375	552	--	--	--	--
1986	acre-feet	42,668	149,966	204,775	208,147	293,335	263,794	121,398	57,160	26,567	28,350	25,341	23,458	1,444,939	8,296	313	1,996
	mean s. f. d.	694	2,700	3,330	3,498	4,771	4,433	1,974	930	446	461	426	382	--	--	--	--
1987	acre-feet																
1988	acre-feet																
1989	acre-feet																
1990	acre-feet																
	mean s. f. d.																

KERN RIVER AT FIRST POINT OF MEASUREMENT
HISTORICAL MONTHLY NATURAL FLOWS

YEAR: 1986

October 1893 to Date...

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
Mean Monthly Flow (acre-feet)	37,067	44,158	65,601	101,937	160,895	144,362	74,417	32,152	18,875	18,010	20,313	28,678	746,465
Mean Monthly Flow (second foot days)	603	788	1,067	1,713	2,617	2,426	1,210	523	317	293	341	466	1,030
Maximum Monthly Flow (acre-feet)	178,493	202,510	378,116	481,749	617,968	571,846	399,842	154,935	68,503	53,300	96,968	313,811	
Minimum Monthly Flow (acre-feet)	11,466	10,905	14,221	23,391	25,630	14,068	8,225	5,882	5,494	6,818	8,241	9,960	
Number Months of Record	93	93	93	93	93	93	93	93	93	94	94	94	
Cumulative Monthly Flow (All Months - acre-feet)	3,447,185	4,106,650	6,100,932	9,480,164	14,963,279	13,425,656	6,920,751	2,990,146	1,755,353	1,692,973	1,909,379	2,695,748	
Median Monthly Flow (acre-feet)	26,863	33,273	48,803	80,223	127,733	125,395	50,699	22,625	14,759	15,102	16,994	21,032	583,501
Median Monthly Flow (second foot days)	437	594	794	1,348	2,077	2,107	825	368	248	246	286	342	805

MEAN APRIL - JULY RUNOFF TO DATE = 481,611 AcFt
MEDIAN APRIL - JULY RUNOFF TO DATE = 384,050 AcFt

MEAN MARCH - OCTOBER RUNOFF TO DATE = 616,249 AcFt
MEDIAN MARCH - OCTOBER RUNOFF TO DATE = 485,339 AcFt

TABLE OF ABSORPTION QUANTITIES WITHIN HISTORIC KERN RIVER SERVICE AREA
KERN RIVER WATER
1986 CALENDAR YEAR & 1985-1986 WATER YEAR

Quantities in acre-feet

	1986 CALENDAR YEAR												CALENDAR YEAR
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
+ Kern River Natural Flow	42,668	149,966	204,775	208,147	293,335	263,794	121,398	57,160	26,567	28,330	25,341	23,458	1,444,939
- Isabella Reservoir Evaporation	1,119	1,150	2,323	4,740	7,435	10,088	10,933	10,276	6,361	3,866	2,329	1,206	61,827
- Into Isabella Storage	10,208	109,726	106,386	30,932	80,332	20,065	0	0	0	0	0	0	357,650
+ From Isabella Storage	0	0	0	0	0	0	83,806	94,737	47,653	58,547	22,322	2,016	309,081
- Kern River via Kern River/ California Aqueduct Intertie	0	0	0	0	0	1,868	0	0	0	0	0	0	1,868
= Monthly Absorption within Kern River Service Area	31,341	39,090	96,066	172,475	205,567	231,772	194,271	141,621	67,859	83,011	45,334	24,268	1,332,675
= Accumulative Absorption within Kern River Service Area	31,341	70,431	166,497	338,972	544,539	776,311	970,582	1,112,203	1,180,062	1,263,073	1,308,407	1,332,675	

	1985-1986 WATER YEAR												WATER YEAR
	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
+ Kern River Natural Flow	16,495	22,314	33,945	42,668	149,966	204,775	208,147	293,335	263,794	121,398	57,160	26,567	1,440,564
- Isabella Reservoir Evaporation	3,287	1,577	885	1,119	1,150	2,323	4,740	7,436	10,088	10,933	10,276	6,361	60,175
- Into Isabella Storage	0	313	4,022	10,208	109,726	106,386	30,932	80,332	20,066	0	0	0	361,985
+ From Isabella Storage	12,274	0	0	0	0	0	0	0	0	83,806	94,737	47,653	238,470
- Kern River via Kern River/ California Aqueduct Intertie	0	0	0	0	0	0	0	0	0	0	0	0	1,868
= Monthly Absorption within Kern River Service Area	25,482	20,424	29,038	31,341	39,090	96,066	172,475	205,567	231,772	194,271	141,621	67,859	1,255,006
= Accumulative Absorption within Kern River Service Area	25,482	45,906	74,944	106,285	145,375	241,441	413,916	619,483	851,255	1,045,526	1,187,147	1,255,006	

KERN RIVER IN REVIEW
1986

Introduction

The focal point of the 1985-86 Water Year was the major storm period of February 12-20, 1986, an event which turned a year of deficient Kern River supply into one of abundance. Central and Northern Sierra Nevada watersheds were deluged with rainfall during this week long storm period, while snowfall predominated over the Kern River basin. On February 16, 1986, the Kern River Watermaster was notified of impending flood flows on the San Joaquin River, and initial importation of these waters into the Kern River area commenced late the next day. Beginning February 22, 1986, Kaweah River flood flows started being pumped into the Friant-Kern Canal for discharge into the Kern River, ultimately replacing the San Joaquin flood flows. Between February 17, 1986 and April 9, 1986, 116,891 acre-feet of San Joaquin and Kaweah River waters was discharged into the Poso Creek and Kern River channels.

Precipitation

Quarterly precipitation amounts as recorded at Isabella Dam and Reservoir during the 1985-86 Water Year were as follows:

<u>Period</u>	<u>Inches</u>	<u>% of Normal</u>
October - December	3.80	114%
January - March	10.10	201%
April - June	.10	8%
July - September	.65	87%

Rainfall amounts during the October - March period in the Kern County portion of the San Joaquin Valley floor averaged about 70% of normal, an influence on the above normal demands for surface water during the pre-irrigation months of February and March.

Temperature

Isabella Reservoir 1986 monthly mean air temperatures (°F) with comparative averages were as follows:

	<u>1986</u> <u>Actual</u>	<u>Average</u>	<u>° of</u> <u>Variance</u>		<u>1986</u> <u>Actual</u>	<u>Average</u>	<u>° of</u> <u>Variance</u>
Jan.	49.7	43.8	+5.9	Jul.	75.7	79.6	-3.9
Feb.	49.0	47.1	+1.9	Aug.	78.6	78.0	+0.6
Mar.	53.5	50.0	+3.5	Sep.	64.1	72.0	-7.9
Apr.	54.9	54.4	+0.5	Oct.	58.2	61.8	-3.6
May	63.5	63.3	+0.2	Nov.	51.0	51.2	-0.2
Jun.	73.7	72.5	+1.2	Dec.	43.0	44.6	-1.6

Snow Pack

The total inches of water content at the six telemetered snow sensor sites in the Kern River basin on February 11, 1986 was 84.6 (65% of April 1 average). On February 20, 1986, the total water content of these same six sensors had increased to 168.1 inches, approximately 130% of April 1 average. Listed below are approximate readings in inches of water content for the snow sensor sites located within the Kern River basin on April 1, 1986, with April 1 average water contents of same shown for comparison:

	<u>Upper Tyndall Creek</u>	<u>Crabtree Meadow</u>	<u>Pascoe</u>	<u>Wet Meadow</u>	<u>Tunnel Guard</u>	<u>Beach Meadow</u>
April 1, 1986	44.4	36.4	39.3	37.2	26.7	5.9
April 1 average	27.7	19.8	24.9	30.3	15.6	11.0

Forecasts

The State of California, Department of Water Resources issued the following forecasts of Kern River runoff into Isabella Reservoir during the 1986 April - July snowmelt period:

February 1, 1986:	71% of average (320,000 acre-feet)
March 1, 1986:	155% of average (700,000 acre-feet)
April 1, 1986:	195% of average (880,000 acre-feet)
May 1, 1986:	199% of average (900,000 acre-feet)

Runoff

Actual 1986 April - July Kern River inflow to Isabella Reservoir was 840,371 acre-feet (186% of average). Peak snowmelt inflow occurred on May 31, 1986, at 6,784 cfs. The natural flow as computed at First Point of Measurement near Bakersfield during the 1986 April - July runoff period was 886,674 acre-feet (184% of average), 12th largest in Kern River recorded history. Calendar year runoff at First Point totaled 1,444,939 acre-feet, 194% of average and 248% of the historical median.

Storage

On January 1, 1986 Isabella Reservoir held 195,516 acre-feet of water. Peak storage for 1986 was reached on June 16 and 17, with 562,134 acre-feet, the fourth largest volume of storage in 33 years of Isabella operation. On December 31, 1986, 244,085 acre-feet of storage remained in Isabella Reservoir for carryover into 1987.

Operations

Kern River peak regulated flow occurred on June 5, 1986, with a mean of 4,713 cfs. Flow at Second Point of Measurement also peaked on June 5, 1986,

with a mean daily discharge of 1,691 cfs.

The combined acre-foot volume of Kern River 1986 regulated flow and imported waters of the San Joaquin and Kaweah rivers was 1,448,452. Of this amount, 1,431,004 acre-feet was used locally for domestic, irrigation and spreading purposes, the balance of 17,448 (15,580 imported + 1,868 Kern River), being diverted into the Kern River/California Aqueduct Intertie located near Tupman. Successful management of these water supplies was enhanced by the 1986 "Groundwater Overdraft Correction" program, initiated on April 1, 1986, and terminated as of June 12, 1986, wherein, full cooperation among the Kern River Interests resulted in nearly complete utilization of all available waters within the Kern River service area.

The U. S. Army Corps of Engineers initiated mandatory flood control releases from Isabella Reservoir on June 3, 1986, terminating such on June 8, 1986. The Kern River/California Aqueduct Intertie was activated for receipt of Kern River flood flows as of 8:00am June 5, and closed on June 7, 1986 after 52 hours of operation.

First Point Group groundwater recharge facilities were fully operated from mid-February through August of 1986. Consolidated efforts among First Point water diverters resulted in the direct recharge to the Kern County groundwater basin of approximately 575,000 acre-feet of water.

Year: 1986

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	517	996	2,574	4,079	4,816	6,708	2,694	1,228	595	543	476	346
2	509	873	2,541	3,912	4,860	6,536	3,013	1,215	605	537	472	375
3	573	765	2,508	3,711	4,904	6,481	3,008	1,223	596	549	468	405
4	891	746	2,432	3,619	4,661	6,370	2,978	1,211	579	579	437	407
5	1,602	721	2,426	3,506	4,355	6,129	2,853	1,181	566	564	411	420
6	1,305	640	2,424	3,373	3,942	5,670	2,638	1,140	567	533	374	452
7	871	599	2,443	3,212	3,678	5,279	2,408	1,082	499	480	381	465
8	788	582	6,204	3,047	3,477	5,016	2,239	1,063	420	493	406	439
9	684	613	5,527	2,976	3,455	4,792	2,116	1,043	393	487	420	399
10	667	604	5,636	3,010	3,464	4,703	2,060	1,075	414	513	356	380
11	635	577	4,809	3,122	3,480	4,616	2,115	1,103	411	492	392	389
12	608	1,387	4,358	3,185	3,553	4,648	2,217	1,102	379	478	399	384
13	597	7,692	3,583	3,211	3,680	4,593	2,263	1,061	337	455	412	400
14	563	4,050	3,283	3,158	4,080	4,555	2,197	1,009	322	424	403	399
15	543	4,904	3,177	3,094	4,241	4,424	2,044	921	313	419	388	391
16	532	4,333	3,077	3,046	4,493	4,219	1,872	858	341	386	425	371
17	545	3,287	2,695	2,984	4,643	4,007	1,702	803	351	404	486	350
18	537	5,698	2,621	2,960	5,014	3,866	1,607	852	366	390	551	355
19	545	8,296	2,560	2,941	5,368	3,686	1,558	893	354	428	522	375
20	532	5,714	2,584	3,087	5,536	3,600	1,551	908	371	423	455	386
21	556	3,842	2,705	3,375	5,376	3,530	1,538	863	395	455	431	386
22	519	3,068	2,850	3,703	5,057	3,337	1,611	806	400	463	424	374
23	510	2,701	2,963	3,873	4,725	3,520	1,660	754	475	466	425	381
24	503	2,570	3,003	3,943	4,702	3,548	1,710	726	458	442	429	369
25	504	2,579	3,041	3,903	4,941	3,466	1,584	683	463	423	425	368
26	498	2,573	3,113	3,858	5,354	3,460	1,475	705	443	439	433	350
27	483	2,577	3,348	3,863	5,778	3,337	1,358	695	477	440	389	368
28	521	2,621	3,454	4,131	6,169	3,166	1,305	694	510	416	392	335
29	562	-	3,670	4,455	6,463	2,956	1,296	660	504	391	381	345
30	1,420	-	3,737	4,604	6,656	2,578	1,294	646	464	386	373	338
31	1,392	-	3,895	-	6,969	-	1,241	615	-	385	-	325
TOTAL	21,512	75,608	103,241	104,941	147,890	132,996	61,205	28,818	13,394	14,283	12,776	11,827
MAXIMUM DAY	1,602	8,296	6,204	4,604	6,969	6,708	3,013	1,228	605	579	551	465
MINIMUM DAY	483	577	2,424	2,941	3,455	2,578	1,241	615	313	385	373	325
MEAN	694	2,700	3,330	3,498	4,771	4,433	1,974	930	446	461	426	382
TOTAL AC. FT.	42,668	149,966	204,775	208,147	293,335	263,794	121,398	57,160	26,567	28,330	25,341	23,458
WHOLE YEAR: -	TOTAL,	728,491	MAXIMUM,	8,296	MINIMUM,	313	MEAN,	1,996	TOTAL AC. FT.,	1,444,939		

Year: 1986

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	465	675	1,068	2,322	3,250	3,691	3,470	2,914	1,537	749	1,067	569
2	465	655	1,144	2,407	3,253	3,804	3,434	2,857	1,582	1,466	943	551
3	471	647	1,178	2,448	3,256	4,212	3,281	2,871	1,610	1,572	881	462
4	487	605	1,194	2,444	3,252	4,669	3,175	2,856	1,455	1,595	798	436
5	565	573	1,241	2,439	3,247	4,713	3,126	2,784	1,346	1,639	784	421
6	661	543	1,276	2,449	3,239	4,541	3,149	2,802	1,249	1,646	771	402
7	637	517	1,293	2,440	3,233	4,457	3,167	2,776	1,229	1,554	724	388
8	624	493	1,314	2,497	3,236	4,453	3,198	2,692	1,251	1,505	696	404
9	625	484	1,129	2,619	3,239	4,226	3,230	2,621	1,227	1,574	679	392
10	567	480	1,307	2,751	3,237	4,066	3,256	2,653	1,209	1,581	726	371
11	504	471	1,261	2,786	3,237	4,165	3,227	2,569	1,163	1,563	927	389
12	491	493	1,091	2,780	3,236	4,181	3,184	2,425	1,100	1,496	971	409
13	479	693	1,018	2,827	3,234	4,190	3,217	2,357	1,010	1,447	939	404
14	479	766	1,057	2,950	3,228	4,119	3,282	2,311	1,032	1,381	929	411
15	466	896	1,146	3,040	3,236	3,949	3,322	2,217	1,088	1,392	914	409
16	465	857	1,334	3,094	3,238	3,913	3,351	2,171	1,069	1,369	870	399
17	473	773	1,406	3,127	3,240	3,915	3,350	2,158	1,030	1,279	953	373
18	466	748	1,463	3,121	3,240	4,018	3,290	2,215	1,007	1,257	869	352
19	464	763	1,489	3,116	3,314	3,985	3,202	2,206	1,003	1,283	764	378
20	468	740	1,627	3,109	3,411	3,888	3,110	2,169	969	1,308	719	362
21	472	719	1,822	3,105	3,406	3,752	3,188	2,148	959	1,351	673	355
22	476	708	1,853	3,113	3,410	3,746	3,225	2,035	980	1,359	651	373
23	480	754	1,913	3,117	3,403	3,687	3,108	1,937	1,018	1,296	636	364
24	467	850	2,040	3,209	3,398	3,501	3,047	1,834	1,110	1,243	617	359
25	479	890	2,104	3,262	3,396	3,406	2,972	1,843	1,062	1,167	577	353
26	460	913	2,147	3,256	3,393	3,322	2,853	1,874	968	1,128	544	368
27	449	951	2,242	3,251	3,466	3,279	2,839	1,945	967	1,134	542	358
28	466	1,025	2,306	3,248	3,573	3,206	2,870	1,915	953	1,120	539	359
29	484	-	2,297	3,254	3,610	3,188	2,836	1,814	985	1,095	540	345
30	573	-	2,308	3,247	3,655	3,328	2,827	1,626	898	1,102	559	347
31	641	-	2,305	-	3,691	-	2,905	1,550	-	1,090	-	342
TOTAL	15,769	19,682	48,373	86,828	103,457	117,570	97,691	71,145	34,066	41,741	22,802	12,205
MAXIMUM INSTAN.	682	1,046	2,311	3,274	3,727	4,726	3,532	2,960	1,632	1,681	1,165	580
MINIMUM INSTAN.	320	447	1,015	2,301	3,223	3,124	2,802	1,503	674	619	531	258
MEAN	509	703	1,560	2,894	3,337	3,919	3,151	2,295	1,136	1,346	760	394
TOTAL AC.FT.	31,277	39,039	95,946	172,221	205,204	233,197	193,767	141,114	67,569	82,792	45,227	24,208
WHOLE YEAR:-	TOTAL,	671,329	MAXIMUM,	4,726	MINIMUM,	258	MEAN,	1,839	TOTAL AC.FT.,	1,331,561		

Year: 1986

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	133	149	452	148	352	335	119	259	14	256	0
2	0	119	137	449	100	391	267	125	255	150	242	0
3	0	91	126	423	49	430	218	144	216	153	238	0
4	0	77	153	395	15	400	225	134	137	167	239	0
5	0	78	165	406	0	371	235	129	125	173	238	0
6	0	79	153	417	0	363	260	124	142	171	238	0
7	3	95	202	371	0	370	283	130	155	171	231	0
8	10	90	211	283	0	377	269	138	150	173	231	0
9	12	83	154	286	32	351	213	170	141	162	229	0
10	14	90	175	281	83	360	170	186	148	149	226	0
11	12	51	201	283	130	344	166	183	141	126	231	0
12	15	0	162	304	156	320	191	165	154	96	253	0
13	10	0	109	310	155	321	185	145	162	77	258	0
14	15	0	91	288	148	330	176	152	158	44	247	0
15	13	0	182	297	149	290	163	161	184	45	251	0
16	14	0	292	274	152	283	178	176	189	44	253	0
17	12	37	338	196	150	291	177	161	142	41	283	0
18	2	89	228	199	155	275	164	159	131	42	205	0
19	0	100	205	203	185	269	180	183	126	46	130	0
20	2	133	348	201	187	264	191	230	151	45	104	0
21	55	128	466	201	197	249	204	213	144	112	60	0
22	72	171	488	191	197	240	191	184	111	193	64	0
23	98	182	492	206	199	200	183	173	89	250	72	0
24	100	150	523	204	199	219	197	175	144	254	41	0
25	100	138	500	206	202	226	197	178	108	242	0	0
26	105	148	414	209	200	237	204	173	91	232	0	0
27	99	143	415	205	245	268	194	237	100	244	0	0
28	124	143	403	204	295	283	193	279	97	259	0	0
29	172	-	430	207	306	313	168	285	86	265	0	0
30	144	-	438	167	301	319	128	280	53	257	0	0
31	125	-	441	-	303	-	113	282	-	266	-	0
TOTAL	1,328	2,548	8,791	8,318	4,638	9,306	6,218	5,573	4,289	4,663	4,820	0
MAXIMUM DAY	172	182	523	452	306	430	335	285	259	266	283	0
MINIMUM DAY	0	0	91	167	0	200	113	119	53	14	0	0
MEAN	43	91	284	277	150	310	201	180	143	150	161	0
TOTAL AC.FT.	2,634	5,054	17,437	16,498	9,199	18,458	12,333	11,054	8,507	9,249	9,560	0
WHOLE YEAR:-	TOTAL,	60,492	MAXIMUM,	523	MINIMUM,	0	MEAN,	166	TOTAL AC.FT.,	119,983		

Year: 1986

Kern River Channel Below 2800 Acres (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	425	327	391	478	301	3	0	0	0
2	0	0	0	323	379	406	430	323	0	0	0	0
3	0	0	0	320	432	562	397	318	0	0	0	0
4	0	0	0	317	500	1,048	375	317	0	0	0	0
5	0	0	0	272	602	1,320	369	321	0	0	0	0
6	0	0	0	275	636	1,190	366	324	0	0	0	0
7	0	0	0	254	639	1,144	350	313	0	0	0	0
8	0	0	162	168	613	1,100	332	299	0	0	0	0
9	0	0	338	103	566	878	337	275	0	0	0	0
10	0	0	326	97	501	673	313	279	0	0	0	0
11	0	0	456	119	447	723	315	279	0	0	0	0
12	0	0	429	177	396	717	334	204	0	0	0	0
13	0	0	509	209	381	740	354	182	0	0	0	0
14	0	0	568	170	376	882	330	182	0	0	0	0
15	0	0	638	121	339	863	300	164	0	0	0	0
16	0	0	633	114	364	840	332	137	0	0	0	0
17	0	0	584	160	430	808	351	121	0	0	0	0
18	0	0	670	217	442	791	336	152	0	0	0	0
19	0	0	678	267	371	763	340	154	0	0	0	0
20	0	0	682	300	369	756	381	119	0	0	0	0
21	0	0	755	288	366	713	344	117	0	0	0	0
22	0	0	747	260	382	642	354	112	0	0	0	0
23	0	0	772	229	401	655	335	118	0	0	0	0
24	0	0	624	225	416	662	303	115	0	0	0	0
25	0	0	559	259	442	563	282	112	0	0	0	0
26	0	0	562	329	427	499	282	79	0	0	0	0
27	0	0	619	365	408	457	285	50	0	0	0	0
28	0	0	651	351	401	444	281	41	0	0	0	0
29	0	0	725	331	409	453	245	39	0	0	0	0
30	0	0	869	336	414	495	251	30	0	0	0	0
31	0	0	565	-	415	-	260	15	-	0	-	0
TOTAL	0	0	14,121	7,391	13,591	22,178	10,342	5,592	3	0	0	0
MAXIMUM DAY	0	0	869	425	639	1,320	478	324	3	0	0	0
MINIMUM DAY	0	0	0	97	327	391	245	15	0	0	0	0
MEAN	0	0	456	246	438	739	334	180	0	0	0	0
TOTAL AC. FT.	0	0	28,008	14,660	26,958	43,989	20,513	11,092	6	0	0	0
WHOLE YEAR:-	TOTAL,	73,218	MAXIMUM,	1,320	MINIMUM,	0	MEAN,	201	TOTAL AC. FT.,	145,226		

First Point Diversions to First Point Group Lands
Below Second Point of Measurement
(All Sources)

Year: 1986

DISCHARGE IN CUBIC FEET PER SECOND	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	7	0	0	0	1	13	0	0	0
2	0	0	0	2	7	0	2	2	8	0	0	0
3	0	0	0	0	7	0	1	1	8	15	0	0
4	0	0	0	0	7	0	1	1	0	25	0	0
5	0	0	0	0	6	0	2	3	0	24	0	0
6	0	0	0	0	0	0	2	0	0	23	0	0
7	3	1	0	0	0	0	2	0	0	24	0	0
8	10	2	0	0	0	0	2	0	0	22	0	0
9	12	2	0	0	0	2	3	1	0	11	0	0
10	14	2	0	0	0	2	3	3	0	0	0	0
11	12	2	0	0	0	2	2	2	0	0	0	0
12	15	0	0	0	0	4	3	2	0	0	0	0
13	10	0	2	0	0	4	3	0	0	0	0	0
14	15	0	2	0	0	4	2	3	0	0	0	0
15	13	0	2	0	0	2	2	2	0	0	0	0
16	14	0	2	0	0	2	4	2	0	0	0	0
17	12	14	2	0	0	2	4	2	0	0	0	0
18	2	2	0	0	0	2	1	3	0	0	0	0
19	0	2	0	0	0	2	1	2	0	0	0	0
20	2	2	0	0	0	2	2	1	0	0	0	0
21	55	2	0	0	0	2	1	2	0	0	0	0
22	55	2	0	0	0	2	0	0	0	0	0	0
23	46	2	0	0	0	2	0	0	0	0	0	0
24	46	2	0	0	0	1	2	0	0	0	0	0
25	46	2	0	0	0	0	3	0	0	0	0	0
26	48	2	0	0	0	0	2	0	0	0	0	0
27	17	2	0	0	0	0	2	4	0	0	0	0
28	0	2	6	0	0	0	2	8	0	0	0	0
29	0	-	6	0	0	0	1	8	0	0	0	0
30	0	-	6	0	0	0	0	9	0	0	0	0
31	0	-	6	-	0	-	2	9	-	0	-	0
TOTAL	447	45	36	9	27	37	57	71	29	144	0	0
MAXIMUM DAY	55	14	6	7	7	4	4	9	13	25	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	14	2	1	0	1	1	2	2	1	5	0	0
TOTAL AC. FT.	886	89	71	18	54	73	113	141	57	286	0	0
WHOLE YEAR:-	TOTAL,	902	MAXIMUM,	55	MINIMUM,	0	MEAN,	2	TOTAL AC. FT.,	1,788		

Year: 1986

Second Point Group Flow at Second Point of Measurement

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	133	149	870	475	743	813	419	249	14	256	0
2	0	119	137	770	472	797	695	446	247	150	242	0
3	0	91	126	743	474	992	614	461	208	138	238	0
4	0	77	153	712	508	1,448	599	450	137	142	239	0
5	0	78	165	678	596	1,691	602	447	125	149	238	0
6	0	79	153	692	636	1,553	624	448	142	148	238	0
7	0	94	202	625	639	1,514	631	443	155	147	231	0
8	0	88	373	451	613	1,477	599	437	150	151	231	0
9	0	81	492	389	598	1,227	547	444	141	151	229	0
10	0	88	501	378	584	1,031	480	462	148	149	226	0
11	0	49	657	402	577	1,065	479	460	141	126	231	0
12	0	0	591	481	552	1,033	522	367	154	96	253	0
13	0	0	616	519	536	1,057	536	327	162	77	258	0
14	0	0	657	458	524	1,208	504	331	158	44	247	0
15	0	0	818	418	488	1,151	461	323	184	45	251	0
16	0	0	923	388	516	1,121	506	311	189	44	253	0
17	23	0	920	356	580	1,097	524	280	142	41	283	0
18	0	87	896	416	597	1,064	499	308	131	42	205	0
19	0	98	883	470	556	1,030	519	335	126	46	130	0
20	0	131	1,030	501	556	1,018	570	348	151	45	104	0
21	0	126	1,221	489	563	960	547	328	144	112	60	0
22	17	169	1,235	451	579	880	545	296	111	193	64	0
23	52	180	1,264	435	600	853	518	291	89	250	72	0
24	54	148	1,147	429	615	880	498	290	144	254	41	0
25	54	136	1,059	475	644	789	476	290	108	242	0	0
26	57	146	976	538	627	736	484	252	91	232	0	0
27	82	141	1,034	570	653	725	477	283	100	244	0	0
28	124	141	1,048	555	696	727	472	312	97	259	0	0
29	172	-	1,149	538	715	766	412	316	86	265	0	0
30	144	-	1,301	503	715	814	379	301	53	257	0	0
31	125	-	1,000	-	718	-	371	288	-	266	-	0
TOTAL	881	2,503	22,876	15,700	18,202	31,447	16,503	11,094	4,263	4,519	4,820	0
MAXIMUM DAY	172	180	1,301	870	718	1,691	813	462	249	266	283	0
MINIMUM DAY	0	0	126	356	472	725	371	252	53	14	0	0
MEAN	28	89	738	523	587	1,048	532	358	142	146	161	0
TOTAL AC. FT.	1,748	4,965	45,374	31,140	36,103	62,374	32,733	22,005	8,456	8,963	9,560	0
WHOLE YEAR:-	TOTAL,	132,808	MAXIMUM,	1,691	MINIMUM,	0	MEAN,	364	TOTAL AC. FT.,	263,421		

SECOND POINT FLOW SUMMARY
1986

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
River Canal at Alternate 2nd Point:													
Kern River Supply	2,372	5,054	17,437	16,498	9,199	18,458	12,333	11,054	8,507	9,249	9,560	0	119,721
Other Supply	262	0	0	0	0	0	0	0	0	0	0	0	262
Total	2,634	5,054	17,437	16,498	9,199	18,458	12,333	11,054	8,507	9,249	9,560	0	119,983
River Channel Below 2800 Acres:													
Kern River Supply	0	0	538	10,490	26,958	43,989	20,513	11,002	6	0	0	0	113,496
Friant-Kern Supply	0	0	27,470	4,170	0	0	0	0	0	0	0	0	31,640
State Aqueduct Supply	0	0	0	0	0	0	0	90	0	0	0	0	90
Total	0	0	28,008	14,660	26,958	43,989	20,513	11,092	6	0	0	0	145,226
Total Second Point Flow:													
Kern River Supply	2,372	5,054	17,975	26,988	36,157	62,447	32,846	22,056	8,513	9,249	9,560	0	233,217
Friant-Kern Supply	0	0	27,470	4,170	0	0	0	0	0	0	0	0	31,640
State Aqueduct Supply	0	0	0	0	0	0	0	90	0	0	0	0	90
Other Supply	262	0	0	0	0	0	0	0	0	0	0	0	262
Total	2,634	5,054	45,445	31,158	36,157	62,447	32,846	22,146	8,513	9,249	9,560	0	265,209
First Point Group Diversions:													
River Canal Turnout (Kern River)	0	0	0	0	0	0	0	0	0	286	0	0	286
River Canal Turnout (Other Supply)	262	0	0	0	0	0	0	0	0	0	0	0	262
Kern Delta WD (Kern River)	624	89	48	18	54	54	72	101	48	0	0	0	1,108
James-Pioneer I.D. (Kern River)	0	0	23	0	0	19	41	40	9	0	0	0	132
Total	886	89	71	18	54	73	113	141	57	286	0	0	1,788
Second Point Group Flow @ 2nd Point:													
Kern River Supply	1,748	4,965	17,904	26,970	36,103	62,374	32,733	21,915	8,456	8,963	9,560	0	231,691
Friant-Kern Supply	0	0	27,470	4,170	0	0	0	0	0	0	0	0	31,640
State Aqueduct Supply	0	0	0	0	0	0	0	90	0	0	0	0	90
Total	1,748	4,965	45,374	31,140	36,103	62,374	32,733	22,005	8,456	8,963	9,560	0	263,421

Friant-Kern Inflow to Kern River Channel (Total Flow) Year: 1986

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	972	662	0	0	0	0	0	0	0	0
2	0	0	972	536	0	0	0	0	0	0	0	0
3	0	0	1,013	437	0	0	0	0	0	0	0	0
4	0	0	968	440	0	0	0	0	0	0	0	0
5	0	0	935	421	0	0	0	0	0	0	0	0
6	0	0	913	423	0	0	0	0	0	0	0	0
7	0	0	917	426	0	0	0	0	0	0	0	0
8	0	0	1,125	379	0	0	0	0	0	0	0	0
9	0	0	1,400	16	0	0	0	0	0	0	0	0
10	0	0	1,292	0	0	0	0	0	0	0	0	0
11	0	0	1,233	0	0	0	0	0	0	0	0	0
12	0	0	1,149	0	0	0	0	0	0	0	0	0
13	0	0	1,278	0	0	0	0	0	0	0	0	0
14	0	0	1,085	0	0	0	0	0	0	0	0	0
15	0	0	1,288	0	0	0	0	0	0	0	0	0
16	0	0	1,316	0	0	0	0	0	0	0	0	0
17	0	56	1,304	0	0	0	0	0	0	0	0	0
18	0	563	1,234	0	0	0	0	0	0	0	0	0
19	0	1,150	1,205	0	0	0	0	0	0	0	0	0
20	0	1,387	1,252	0	0	0	0	0	0	0	0	0
21	0	1,662	1,230	0	0	0	0	0	0	0	0	0
22	0	1,500	1,259	0	0	0	0	0	0	0	0	0
23	0	1,500	1,264	0	0	0	0	0	0	0	0	0
24	0	1,300	1,140	0	0	0	0	0	0	0	0	0
25	0	1,200	900	0	0	0	0	0	0	0	0	0
26	0	1,163	931	0	0	0	0	0	0	0	0	0
27	0	1,071	922	0	0	0	0	0	0	0	0	0
28	0	1,025	932	0	0	0	0	0	0	0	0	0
29	0	-	937	0	0	0	0	0	0	0	0	0
30	0	-	941	0	0	0	0	0	0	0	0	0
31	0	-	947	-	0	-	0	0	0	0	-	0
TOTAL	0	13,577	34,254	3,840	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	1,662	1,400	662	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	900	0	0	0	0	0	0	0	0	0
MEAN	0	485	1,105	128	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	26,929	67,941	7,617	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	51,671	MAXIMUM,	1,662	MINIMUM,	0	MEAN,	142	TOTAL AC. FT.,	102,487		

Friant-Kern Canal Water Diverted Into
Kern River / California Aqueduct Intertie

Year: 1986

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	343	0	0	0	0	0	0	0	0
2	0	0	0	235	0	0	0	0	0	0	0	0
3	0	0	0	265	0	0	0	0	0	0	0	0
4	0	0	0	282	0	0	0	0	0	0	0	0
5	0	0	0	232	0	0	0	0	0	0	0	0
6	0	0	0	189	0	0	0	0	0	0	0	0
7	0	0	0	231	0	0	0	0	0	0	0	0
8	0	0	0	111	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	360	0	0	0	0	0	0	0	0	0
19	0	0	424	0	0	0	0	0	0	0	0	0
20	0	0	433	0	0	0	0	0	0	0	0	0
21	0	0	543	0	0	0	0	0	0	0	0	0
22	0	0	531	0	0	0	0	0	0	0	0	0
23	0	0	577	0	0	0	0	0	0	0	0	0
24	0	0	455	0	0	0	0	0	0	0	0	0
25	0	0	442	0	0	0	0	0	0	0	0	0
26	0	0	347	0	0	0	0	0	0	0	0	0
27	0	0	427	0	0	0	0	0	0	0	0	0
28	0	0	480	0	0	0	0	0	0	0	0	0
29	0	-	482	0	0	0	0	0	0	0	0	0
30	0	-	184	0	0	0	0	0	0	0	0	0
31	0	-	282	-	0	-	0	0	0	0	0	0
TOTAL	0	0	5,967	1,888	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	577	343	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	192	63	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	11,835	3,745	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	7,855	MAXIMUM,	577	MINIMUM,	0	MEAN,	22	TOTAL AC. FT.,	15,580		

Kern River Water Diverted Into
Kern River / California Aqueduct Intertie

Year: 1986

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	343	0	0	0	0	0	0	0
5	0	0	0	0	476	0	0	0	0	0	0	0
6	0	0	0	0	0	123	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	942	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	0	0	476	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	31	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	1,868	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	942	MAXIMUM,	476	MINIMUM,	0	MEAN,	3	TOTAL AC. FT.,	1,868		

Quantities in acre-feet

CITY OF BAKERSFIELD
SUMMARY OF KERN RIVER ENTITLEMENTS

Year: 1986

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Buena Vista W.S.D. Entitlement	63	26,818	68,023	63,501	99,459	87,542	31,362	12,220	0	0	0	0	388,988
Hacienda W.D. Entitlement	0	0	48,645	27,840	41,833	37,615	13,349						159,282
K.C.L. Entitlement @ 2nd Point	4	1,279	3,009	3,288	5,131	4,528	1,613	587	0	0	0	0	19,439
Kern Island (1-st)	18,446	18,244	18,381	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	218,705
Kern River Conduit													
Castro	307	303	34	119	153	137	99	69	278	307	298	289	2,393
KCC & W Co.	873	847	93	296	417	379	250	165	746	825	779	744	6,414
South Fork	615	601	65	214	301	268	187	115	522	595	567	532	4,582
Buena Vista (1-st)	4,725	4,594	534	1,696	2,273	2,053	1,400	932	3,334	4,330	3,868	2,529	32,268
James (1-st)	6,692	6,881	807	2,545	3,414	3,082	2,109	1,395	2,521	2,915	1,283	2,242	33,886
Anderson (1-st)	716	1,150	127	415	570	516	349	234	226	155	38	0	4,496
Stine	2,993	7,490	1,012	3,193	4,274	3,846	2,640	1,736	434	81	2	0	27,701
Meacham	409	1,359	202	641	859	766	532	339	0	0	0	0	5,107
Farmers	1,845	6,101	1,012	3,193	4,274	3,846	2,640	1,607	0	0	0	0	24,518
Plunket	335	1,527	270	861	1,142	1,029	708	369	369	329	329	329	6,241
Joyce	315	1,527	270	861	1,142	1,029	708	329	329	329	329	329	6,181
Johnson	315	1,519	270	861	1,142	1,029	708	329	329	329	329	329	6,173
Pioneer	1,010	4,711	871	2,759	3,699	3,330	2,285	803	803	803	803	803	19,468
Beardsley (1-st)	466	2,174	401	1,277	1,704	1,543	1,051	202					8,818
Lerdo (NKMWD)													
Anderson (2-nd)	80	361	61	210	288	248	169	24					1,441
James & Dixon	315	1,450	270	861	1,142	1,029	708	50					5,825
Wilson	48	220	34	123	171	149	105	0					850
KCC & W Co.	32	141	27	87	117	99	60	0					563
McCaffrey	204	944	169	545	732	666	442	0					3,702
McCord:	194	1,087	202	641	859	766	490						4,239
Lerdo	444	2,531	470	1,479	1,983	1,797	1,135						9,839
Beardsley	110	5,828	1,141	3,612	4,844	4,362	1,876						21,773
Central	436	23,314	4,557	14,453	19,361	17,451	7,510						87,082
NKMWD	0	1,371	270	861	1,142	1,029	192						4,865
KCC & W Co.	0	5,484	1,075	3,406	4,556	4,102	764						19,387
NKMWD	0	3,080	315	1,915	2,567	2,305	361						10,544
Buena Vista		5,232	603	3,822	5,125	4,556	686						20,024
James		4,143	569	3,612	4,844	4,260	448						17,876
Pioneer		5,774	795	4,592	6,829	5,925	263						24,178
Beardsley		1,270	184	843	1,595	1,375	0						5,267
Kern Island (2-nd)													
Computed Loss	676	611	676	655	676	655	676	676	655	676	655	676	7,963
Total 1st Point Group Entitlement	42,605	1123,148	88,107	1116,806	1152,043	1138,637	76,687	44,940	26,567	28,330	25,341	23,458	886,669

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

Year: 1986

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FIRST POINT REGULATED FLOW	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
BEARDSLEY CANAL	4,246	10,302	24,309	35,225	47,314	46,572	45,116	30,179	21,072	23,887	12,704	4,902	305,828
CALLOWAY CANAL	6,238	2,545	11,477	27,568	37,405	32,193	28,667	15,772	11,435	12,377	10,179	10,009	205,865
KERN ISLAND CANAL	5,250	5,193	12,022	14,275	15,386	21,005	22,649	18,744	8,519	7,607	3,957	4,181	138,788
EASTSIDE CANAL	609	631	1,819	2,489	3,037	3,973	3,481	2,531	615	611	450	329	20,575
STINE CANAL	492	2,116	5,137	5,597	5,137	8,787	9,558	9,088	4,578	1,254	865	282	52,891
CARRIER SPREADING FACILITY	440	413	581	897	956	893	1,186	907	912	1,027	849	599	9,660
ARVIN-EDISON TURNOUT	0	0	0	0	0	0	8,882	4,050	0	1,212	0	0	14,144
BUENA VISTA CANAL	1,228	4,441	4,627	5,405	5,211	8,124	8,495	8,459	3,580	1,376	0	740	51,686
JAMES CANAL	0	700	3,209	4,463	3,971	3,757	3,856	3,977	1,369	0	0	0	25,302
ROSEDALE CHANNEL	3,190	1,168	635	11,369	13,896	10,657	145	115	69	12,088	1,144	795	55,271
PIONEER CANAL	0	0	3,487	11,058	11,445	9,604	8,642	6,782	3,390	756	0	0	55,164
BERRENDA MESA SPREADING (KCHA)	0	0	0	2,876	3,064	2,291	2,346	2,029	89	2,376	479	125	15,675
2800 ACRE SPREADING FACILITY	0	0	2,755	15,253	14,132	14,295	11,084	9,688	621	1,213	0	0	69,041
CARRIER LOSS	520	724	863	837	912	1,089	1,184	819	748	652	462	258	9,068
RIVER LOSS & SPREADING	6,692	5,752	7,050	7,921	7,181	7,510	5,630	5,918	2,059	7,107	4,578	1,988	69,386
FIRST POINT GROUP TOTAL FLOW	28,905	33,985	77,971	145,233	169,047	170,750	160,921	119,058	59,056	73,543	35,667	24,208	1,098,344
SECOND POINT TOTAL FLOW	2,372	5,054	17,975	26,988	36,157	62,447	32,846	22,056	8,513	9,249	9,560	0	233,217

UTILIZATION OF STORAGE - ISABELLA RESERVOIR
KERN RIVER FIRST POINT GROUP

Year: 1986

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	12,030	15,000	15,000	17,967	13,023	6,927	2,500	2,500	2,500	2,500	2,500	94,947
Buena Vista	1,500	6,996	9,176	11,000	11,000	8,406	3,471	1,721	1,500	1,500	1,500	1,500	59,270
Stine	1,500	6,536	4,316	5,290	8,511	6,643	2,736	1,500	1,500	1,500	1,500	1,500	43,032
Farmers	1,500	6,000	5,149	6,000	6,000	5,708	4,000	2,500	2,000	1,500	1,500	1,500	43,357
KERN DELTA WD TOTAL	7,000	31,562	33,641	37,290	43,478	33,780	17,134	8,221	7,500	7,000	7,000	7,000	240,606
City of Bakersfield	18,011	63,374	81,049	68,731	83,361	61,434	46,828	27,199	23,733	17,218	12,519	12,233	515,690
Kern River Canal & Irr. Co.	10,565	11,111	10,711	15,782	23,950	27,130	25,890	23,778	22,183	21,130	20,892	20,767	233,889
South Fork	500	962	1,103	1,533	2,035	2,093	2,102	2,045	2,563	3,138	600	600	19,374
CITY OF BAKERSFIELD TOTAL	29,176	75,447	92,863	86,046	109,346	90,657	74,820	53,022	48,479	41,486	34,011	33,600	768,953
North Kern Water Storage District	84,361	101,683	88,548	100,383	103,656	122,713	101,988	87,528	76,123	62,887	63,617	66,477	1,059,964
TOTAL 1ST POINT STORAGE	120,537	208,692	215,052	223,719	256,480	247,150	193,942	148,771	132,102	111,373	104,628	107,077	2,069,523

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: 1986

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	+ 28,009	40,779	21,438	28,692	33,429	31,276	25,487	22,721	21,619	22,857	21,721	20,975	319,003
Release	- 20,563	5,531	2,386	3,856	4,510	2,145	640	2,986	9,317	14,250	16,922	15,621	98,727
Ent'l + or - Releases	= 7,446	35,248	19,052	24,836	28,919	29,131	24,847	19,735	12,302	8,607	4,799	5,354	220,276
Into Isabella Storage	- 46	24,658	6,244	4,313	6,883	843	111	1,660	975	102	74	38	45,947
From Isabella Storage	+ 0	0	3,940	245	23	9,752	16,152	10,239	1,542	494	0	0	42,387
Other Supply	+ or - 0	355	2,392	0	0	0	0	0	0	0	0	0	2,747
Storage Transfer/Exch.	+ or - 0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Loss	- 0	0	0	0	0	0	0	0	0	0	12	113	125
Diversified at Heads of Canals	= 7,400	10,945	19,140	20,768	22,059	38,040	40,888	28,314	12,869	8,999	4,713	5,203	219,338
Utility Deliveries	3,848	7,250	12,492	13,839	14,735	28,442	30,809	21,464	8,116	4,461	2,312	2,326	150,094
Contract Deliveries	251	145	1,007	762	865	1,164	878	524	408	492	274	78	6,848
Total Irrigation Use	- 4,099	7,395	13,499	14,601	15,600	29,606	31,687	21,988	8,524	4,953	2,586	2,404	156,942
Conveyance Losses	= 3,301	3,550	5,641	6,167	6,459	8,434	9,201	6,326	4,345	4,046	2,127	2,799	62,396
Delivery Percentage	55%	68%	71%	70%	71%	78%	77%	78%	66%	55%	55%	46%	72%
Reservoir Evaporation Loss	46	96	225	419	672	789	605	334	154	108	74	38	3,560
End of Month Reservoir Storage	7,000	31,562	33,641	37,290	43,478	33,780	17,134	8,221	7,500	7,000	7,000	7,000	7,000

Year: 1986

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	19	0	300	198	266	333	382	445	150	100	193	0
2	25	0	340	213	249	266	385	413	164	120	182	0
3	26	0	341	223	236	245	353	403	184	121	178	0
4	21	0	321	221	237	302	302	374	193	114	170	4
5	22	0	320	215	237	229	293	333	199	112	136	43
6	37	0	332	220	225	241	304	354	162	133	126	55
7	113	0	301	222	193	256	307	385	144	145	97	65
8	120	0	199	215	183	302	346	379	175	123	62	61
9	125	0	193	203	229	332	425	308	195	130	57	41
10	131	0	169	193	282	362	450	309	198	138	66	52
11	89	0	181	208	294	411	429	319	172	119	79	142
12	53	0	169	217	297	430	347	312	139	110	72	198
13	48	0	132	259	264	440	361	294	120	119	80	200
14	50	0	134	352	253	392	393	295	125	113	68	208
15	57	74	97	342	266	394	390	270	129	118	63	211
16	64	106	90	313	261	419	373	264	131	115	57	184
17	67	109	86	290	252	433	382	248	130	111	76	65
18	57	167	95	266	232	389	410	277	115	117	56	44
19	66	201	106	247	263	357	383	299	118	115	52	48
20	137	217	113	255	276	312	326	329	112	121	40	40
21	142	223	116	212	278	329	355	360	119	127	38	46
22	141	210	115	210	247	402	378	329	149	132	32	46
23	145	168	131	218	234	443	380	305	164	120	15	42
24	145	208	183	229	215	457	386	255	181	123	0	36
25	143	217	205	225	187	456	386	241	157	107	0	42
26	145	211	230	220	201	428	356	253	105	104	0	46
27	152	227	249	226	224	403	350	268	92	113	0	40
28	138	280	246	247	238	345	346	269	83	120	0	38
29	73	-	221	261	268	251	338	241	90	127	0	38
30	72	-	164	277	297	310	374	176	100	179	0	37
31	24	-	182	-	353	-	429	143	-	189	-	36
TOTAL	2,647	2,618	6,061	7,197	7,757	10,590	11,419	9,450	4,295	3,835	1,995	2,108
MAXIMUM DAY	152	280	341	352	353	457	450	445	199	189	193	211
MINIMUM DAY	19	0	86	193	183	223	293	143	83	100	0	0
MEAN	85	94	196	240	250	353	368	305	143	124	67	68
TOTAL AC. FT.	5,250	5,193	12,022	14,275	15,386	21,005	22,649	18,744	8,519	7,607	3,957	4,181
WHOLE YEAR:-	TOTAL,	69,972	MAXIMUM,	457	MINIMUM,	0	MEAN,	192	TOTAL AC. FT.,	138,788		

KERN DELTA WATER DISTRICT
KERN ISLAND CANAL SERVICE AREA

Year: 1986
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Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	+ 18,446	19,514	18,565	18,694	20,041	19,226	18,446	18,446	17,851	18,446	17,851	18,446	223,972
Release	- 12,641	3,821	4,214	5,391	2,060	951	0	4,299	10,643	12,261	13,914	13,965	84,160
Ent'l + or - Releases	= 5,805	15,693	14,351	13,303	17,981	18,275	18,446	14,147	7,208	6,185	3,937	4,481	139,812
Into Storage	- 16	9,568	3,211	205	3,276	161	0	333	52	38	26	14	16,900
From Storage	+ 0	0	148	28	23	4,790	5,868	4,625	0	0	0	0	15,482
Carrier Canal Loss	- 0	0	0	0	0	0	0	0	0	0	0	0	16
Eastside Canal Ent'l	- 0	0	845	1,916	2,246	2,957	2,215	920	0	0	0	0	11,099
Diverter at Head	= 5,789	6,125	10,443	11,210	12,482	19,947	22,099	17,519	7,156	6,147	3,911	4,451	127,279
Utility Deliveries	3,355	3,933	6,647	6,999	7,940	14,455	16,275	12,890	4,131	3,141	2,209	2,126	84,101
Contract Deliveries	251	145	1,004	675	720	1,154	863	517	408	492	274	78	6,581
Total Deliveries	- 3,606	4,078	7,651	7,674	8,660	15,609	17,138	13,407	4,539	3,633	2,483	2,204	90,682
Conveyance Losses	= 2,183	2,047	2,792	3,536	3,822	4,338	4,961	4,112	2,617	2,514	1,428	2,247	36,597
Delivery Percentage	62%	67%	73%	68%	69%	78%	78%	77%	63%	59%	63%	50%	71%
Into Reservoir Storage	16	9,568	3,211	205	3,276	161	0	333	52	38	26	14	16,900
Reservoir Evaporation Loss	16	38	93	177	286	315	228	135	52	38	26	14	1,418
From Reservoir Storage	0	0	148	28	23	4,790	5,868	4,625	0	0	0	0	15,482
End of Month Reservoir Storage	2,500	12,030	15,000	15,000	17,967	13,023	6,927	2,500	2,500	2,500	2,500	2,500	2,500
State Exchange Diverted	156	567	875	1,067	732	1,031	1,230	1,636	716	375	75	0	8,460
Other Diversions	0	0	528	1,214	1,232	579	0	0	0	0	0	0	3,553
State Exch. Delivered	156	567	875	1,067	732	1,031	1,170	1,243	296	248	75	0	7,460
Other Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0

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KERN ISLAND CANAL
ENTITLEMENT AND DIVERSION OF CONTRACT WATER

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Year: 1986

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BALFOUR - GUTHRIE CONTRACT

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Quantities in acre-feet
except where noted

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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KERN ISLAND CANAL ENTITLEMENT:

Maximum	18,446	16,661	18,424	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,165
Actual	18,446	16,661	18,381	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,122
Maximum Percentage	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

CONTRACT ENTITLEMENT:

Maximum	269	242	269	260	269	260	269	269	260	269	260	260	2,896
Actual	269	242	269	260	269	260	269	269	260	269	260	260	2,896
Sum to Date	269	511	780	1,040	1,309	1,569	1,838	2,107	2,367	2,636	2,896	2,896	2,896

CONTRACT DIVERTED:

For Month	100	19	564	264	381	797	518	271	21	10	17	0	2,962
To Date	100	119	683	947	1,328	2,125	2,643	2,914	2,935	2,945	2,962	2,962	2,962

UNUSED ENTITLEMENT:

For Month	169	223	(295)	(4)	(112)	(537)	(249)	(2)	239	259	243	0	(66)
Sum to Date	169	392	97	93	(19)	(556)	(805)	(807)	(568)	(309)	(66)	(66)	---

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KERN ISLAND CANAL
ENTITLEMENT AND DIVERSION OF CONTRACT WATER

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Year: 1986

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BLOOMFIELD CONTRACT

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Quantities in acre-feet
except where noted

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
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KERN ISLAND CANAL ENTITLEMENT:

Maximum	18,446	16,661	18,424	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,165
Actual	18,446	16,661	18,381	17,851	18,446	17,851	18,446	18,446	17,851	18,446	17,851	18,446	217,122
Maximum Percentage	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

CONTRACT ENTITLEMENT:

Maximum	336	303	336	325	336	325	336	336	325	336	325	325	3,619
Actual	336	303	336	325	336	325	336	336	325	336	325	325	3,619
Sum to Date	336	639	975	1,300	1,636	1,961	2,297	2,633	2,958	3,294	3,619	3,619	3,619

CONTRACT DIVERTED:

For Month	151	126	440	411	339	357	345	246	387	482	257	78	3,619
To Date	151	277	717	1,128	1,467	1,824	2,169	2,415	2,802	3,284	3,541	3,619	3,619

UNUSED ENTITLEMENT:

For Month	185	177	(104)	(86)	(3)	(32)	(9)	90	(62)	(146)	68	(78)	0
Sum to Date	185	362	258	172	169	137	128	218	156	10	78	0	0

Year: 1986

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	1	12	23	42	47	69	74	48	19	10	0	0
2	4	13	37	48	49	68	70	49	14	16	0	0
3	2	11	37	46	49	66	66	55	15	15	8	0
4	0	12	35	47	49	63	63	49	17	13	12	2
5	1	12	41	38	50	68	66	46	15	13	12	9
6	3	12	48	34	47	68	68	44	11	16	12	8
7	3	12	35	47	43	58	66	45	12	15	12	5
8	4	7	1	49	37	61	57	45	18	12	10	5
9	6	7	31	43	39	61	63	45	19	13	10	2
10	8	6	33	38	42	69	66	48	13	8	13	5
11	8	5	25	37	35	76	63	51	0	4	13	5
12	9	5	25	30	33	84	52	50	0	6	18	5
13	12	5	24	34	45	76	51	51	3	12	18	5
14	12	5	15	29	47	66	55	50	8	12	17	6
15	10	5	14	41	55	70	55	38	9	12	13	10
16	12	6	16	44	51	74	48	41	12	8	10	11
17	12	9	19	47	52	68	49	39	11	8	11	12
18	14	11	22	40	66	58	56	34	5	8	2	12
19	14	16	22	32	62	59	53	35	6	6	7	10
20	17	15	25	34	52	63	51	44	12	2	11	4
21	14	14	28	42	52	62	52	40	8	3	8	4
22	14	13	24	44	53	62	54	41	8	7	8	4
23	12	17	36	44	46	60	57	35	9	12	2	4
24	12	19	40	42	43	68	58	38	11	13	0	4
25	12	19	37	41	51	74	59	43	12	14	0	5
26	13	19	36	44	56	75	47	42	13	9	0	6
27	18	15	32	47	59	75	55	35	12	10	0	6
28	20	16	31	52	56	60	53	30	6	12	0	6
29	6	-	33	53	48	61	46	27	6	12	0	6
30	20	-	43	46	56	65	38	18	6	4	0	5
31	14	-	49	-	61	-	40	20	-	3	-	0
TOTAL	307	318	917	1,255	1,531	2,003	1,755	1,276	310	308	227	166
MAXIMUM DAY	20	19	49	53	66	84	74	55	19	16	18	12
MINIMUM DAY	0	5	1	29	33	57	38	18	0	2	0	0
MEAN	10	11	30	42	49	67	57	41	10	10	8	5
TOTAL AC. FT.	609	631	1,819	2,489	3,037	3,973	3,481	2,531	615	611	450	329
WHOLE YEAR:-	TOTAL,	10,373	MAXIMUM,	84	MINIMUM,	0	MEAN,	28	TOTAL AC. FT.,	20,575		

KERN DELTA WATER DISTRICT
EASTSIDE CANAL SERVICE AREA

Quantities in acre-feet

Year: 1986

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	0	0	845	1,916	2,246	2,957	2,215	920	0	0	0	0	11,099
Total River Diverted	0	0	845	1,916	2,246	2,957	2,215	920	0	0	0	0	11,099
State Exchange Diverted	609	631	908	401	608	887	1,258	1,611	615	611	450	329	8,918
Other Diverted	0	0	66	172	183	129	8	0	0	0	0	0	558
Total State/Other Div.	609	631	974	573	791	1,016	1,266	1,611	615	611	450	329	9,476
Eastside Canal at Head	609	631	1,819	2,489	3,037	3,973	3,481	2,531	615	611	450	329	20,575
Utility Deliveries	0	0	574	1,367	1,572	2,400	1,813	724	0	0	0	0	8,450
Contract Deliveries	0	0	3	87	145	10	15	7	0	0	0	0	267
Total Utility Deliveries	0	0	577	1,454	1,717	2,410	1,828	731	0	0	0	0	8,717
State Exchange Delivered	458	472	755	401	608	887	1,250	1,466	717	513	383	151	8,061
Other Deliveries	0	0	18	45	44	52	8	0	0	0	0	0	167
Total State/Other Del.	458	472	773	446	652	939	1,258	1,466	717	513	383	151	8,228
Total Deliveries	458	472	1,350	1,900	2,369	3,349	3,086	2,197	717	513	383	151	16,945
Canal Loss (Utility)	0	0	268	462	529	547	387	189	0	0	0	0	2,382
Canal Loss (State/Other)	151	159	201	127	139	77	8	145	(102)	98	67	178	1,248
Total Canal Loss	151	159	469	589	668	624	395	334	(102)	98	67	178	3,630
Delivery Percentage	75%	75%	74%	76%	78%	84%	89%	87%	117%	84%	85%	46%	82%

Year: 1986

Total Flow via the Buena Vista Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	68	79	88	75	74	113	186	84	26	0	0
2	0	75	70	91	76	76	116	176	89	36	0	0
3	0	72	67	94	70	76	120	167	85	40	0	0
4	0	73	71	99	63	75	117	168	85	43	0	0
5	0	73	74	98	65	77	110	176	90	42	0	0
6	0	74	72	85	66	87	112	184	87	47	0	0
7	0	73	66	84	66	96	112	179	87	46	0	0
8	0	78	52	92	76	98	117	170	84	42	0	0
9	0	85	60	101	83	112	128	166	76	49	0	0
10	0	83	65	102	80	125	142	162	73	41	0	0
11	0	79	61	105	84	130	143	159	68	27	0	0
12	0	80	54	99	86	143	135	147	63	27	0	0
13	12	74	54	91	90	155	136	140	59	25	7	7
14	41	67	64	92	98	152	149	130	64	21	130	22
15	38	66	74	98	90	151	161	125	67	20	0	27
16	22	66	77	98	79	156	163	122	59	20	0	33
17	23	70	82	100	79	165	171	118	59	13	0	37
18	24	69	85	90	84	167	172	125	54	13	0	35
19	24	77	83	87	88	173	149	129	52	14	0	36
20	24	82	82	87	90	174	142	137	49	18	0	34
21	24	82	90	91	97	176	134	142	47	18	0	31
22	24	82	94	93	100	182	134	141	45	21	0	4
23	24	91	94	97	98	197	138	127	43	26	0	0
24	25	100	72	99	96	194	128	121	42	19	0	0
25	24	101	63	88	94	187	124	106	41	0	0	0
26	26	100	84	79	93	176	127	102	37	0	0	0
27	36	105	91	79	94	147	139	102	29	0	0	11
28	48	94	87	78	100	132	145	97	29	0	0	26
29	60	-	89	73	99	123	152	91	29	0	0	27
30	59	-	89	67	90	120	171	86	29	0	0	25
31	61	-	88	-	78	-	183	84	-	0	-	18
TOTAL	619	2,239	2,333	2,725	2,627	4,096	4,283	4,265	1,805	694	0	373
MAXIMUM DAY	61	105	94	105	100	197	183	186	90	49	0	37
MINIMUM DAY	0	66	52	67	63	74	110	84	29	0	0	0
MEAN	20	80	75	91	85	137	138	138	60	22	0	12
TOTAL AC.FT.	1,228	4,441	4,627	5,405	5,211	8,124	8,495	8,459	3,580	1,376	0	740
WHOLE YEAR:-	TOTAL,	26,059	MAXIMUM,	197	MINIMUM,	0	MEAN,	71	TOTAL AC.FT.,	51,686		

KERN DELTA WATER DISTRICT
BUENA VISTA CANAL SERVICE AREA

Quantities in acre-feet

Year: 1986

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	+ 4,725	7,674	849	3,612	4,840	4,358	1,761	932	3,334	4,330	3,868	2,529	42,812
Release	+ or - (3,512)	(26)	2,156	1,306	(1,552)	(609)	358	1,168	(1,335)	(3,341)	(3,852)	(1,976)	(11,215)
Ent'l + or - Releases	= 1,213	7,648	3,005	4,918	3,288	3,749	2,119	2,100	1,999	989	16	553	31,597
Into Storage	- 10	5,516	2,375	2,007	182	61	0	442	28	22	16	8	10,667
From Storage	+ 0	0	141	58	0	2,457	4,792	2,140	217	0	0	0	9,805
Other Supply	+ or - 0	290	2,327	0	0	0	0	0	0	0	0	0	2,617
Carrier Canal Loss	- 0	0	0	0	0	0	0	0	0	0	0	75	75
Diverted at Head	= 1,203	2,422	3,098	2,969	3,106	6,145	6,911	3,798	2,188	967	0	470	33,277
Utility Deliveries	377	2,026	2,174	2,306	2,421	5,187	5,928	3,295	1,772	566	0	153	26,205
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries	- 377	2,026	2,174	2,306	2,421	5,187	5,928	3,295	1,772	566	0	153	26,205
Conveyance Losses	= 826	396	924	663	685	958	983	503	416	401	0	317	7,072
Delivery Percentage	31%	84%	70%	78%	78%	84%	86%	87%	81%	59%	0%	33%	79%
Into Reservoir Storage	10	5,516	2,375	2,007	182	61	0	442	28	22	16	8	10,667
Reservoir Evaporation Loss	10	20	54	125	182	198	143	52	32	22	16	8	862
From Reservoir Storage	0	0	141	58	0	2,457	4,792	2,140	217	0	0	0	9,805
End of Month Reservoir Storage	1,500	6,956	9,176	11,000	11,000	8,406	3,471	1,721	1,500	1,500	1,500	1,500	1,500
State Exchange Diverted	38	278	48	18	54	0	167	2,921	1,440	409	0	0	5,373
Other Diversions	0	0	1,319	2,436	2,031	456	0	0	0	0	0	0	6,242
State Exch. Delivered	38	246	48	18	54	0	0	1,472	24	0	0	0	1,900
Other Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0

Year: 1986

Total Flow via the Stine Canal Headgate

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	23	77	68	94	101	155	167	106	2	16	22
2	0	15	79	67	105	122	146	170	123	3	20	24
3	0	15	86	68	95	123	138	174	127	0	24	25
4	0	14	87	86	80	112	138	182	123	0	26	20
5	0	14	85	104	73	113	132	186	117	0	25	16
6	0	14	89	100	75	118	125	184	114	0	27	15
7	0	14	93	100	80	113	125	182	116	0	26	12
8	0	19	82	104	76	110	131	169	110	0	26	8
9	0	26	75	111	71	118	144	161	99	0	24	0
10	0	40	83	115	76	143	159	165	103	0	22	0
11	0	44	77	114	79	158	174	160	96	0	22	0
12	0	52	70	105	82	149	166	151	82	0	24	0
13	0	50	71	86	78	158	167	158	77	0	25	0
14	0	46	74	89	82	166	163	169	75	11	17	0
15	0	41	75	103	85	167	161	163	72	15	16	0
16	0	41	83	104	78	168	163	154	57	18	12	0
17	3	42	82	96	68	163	161	155	52	28	12	0
18	10	45	75	98	73	162	157	154	44	24	11	0
19	13	42	81	104	84	163	163	145	46	27	11	0
20	18	41	92	95	83	170	165	143	45	38	11	0
21	17	43	101	85	77	167	174	137	47	43	11	0
22	18	46	94	83	78	166	176	132	58	43	7	0
23	21	45	87	86	78	177	169	132	61	39	0	0
24	29	51	100	88	88	174	165	132	59	43	0	0
25	28	53	101	98	93	163	158	133	56	53	0	0
26	24	54	96	97	99	158	141	125	49	55	0	0
27	18	64	90	92	100	156	144	125	48	59	0	0
28	17	73	86	94	95	158	160	102	52	53	0	0
29	15	-	82	94	85	158	171	94	57	40	4	0
30	9	-	66	88	90	156	167	89	37	21	17	0
31	8	-	71	-	90	-	161	89	-	17	-	0
TOTAL	248	1,067	2,590	2,822	2,590	4,430	4,819	4,582	2,308	632	436	142
MAXIMUM DAY	29	73	101	115	105	177	176	186	127	59	27	25
MINIMUM DAY	0	14	66	67	68	101	125	89	37	0	0	0
MEAN	8	38	84	94	84	148	155	148	77	20	15	5
TOTAL AC.FT.	492	2,116	5,137	5,597	5,137	8,787	9,558	9,088	4,578	1,254	865	282
WHOLE YEAR:-	TOTAL,	26,666	MAXIMUM,	186	MINIMUM,	0	MEAN,	73	TOTAL AC.FT.,	52,891		

KERN DELTA WATER DISTRICT
STINE CANAL SERVICE AREA

Quantities in acre-feet

Year: 1986
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	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
River Entitlement	+1	2,993	7,490	1,012	3,193	4,274	3,846	2,640	1,736	434	81	2	0	27,701
Release	+ or -	(2,634)	93	658	1,649	120	0	89	2,121	1,296	743	312	3,477	
Ent'l + or - Releases	=	359	6,520	1,105	3,851	5,983	3,966	2,640	1,825	1,377	745	312	31,178	
Into Storage	-	10	5,056	444	1,181	3,326	540	0	881	480	22	16	8	11,964
From Storage	+	0	0	2,624	155	0	2,247	3,794	2,063	452	0	0	0	11,335
Other Supply	+ or -	0	65	65	0	0	0	0	0	0	0	0	0	130
Carrier Canal Loss	-	0	0	0	0	0	0	0	0	0	12	22	34	
Diverted at Head	=	349	1,529	3,350	2,825	2,597	5,673	6,434	3,007	2,527	1,355	717	282	30,645
Utility Deliveries		91	666	1,906	1,588	1,471	3,514	4,051	1,882	1,385	451	68	47	17,120
Contract Deliveries		0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries	-	91	666	1,906	1,588	1,471	3,514	4,051	1,882	1,385	451	68	47	17,120
Conveyance Losses	=	258	863	1,444	1,237	1,126	2,159	2,383	1,125	1,142	904	649	235	13,525
Delivery Percentage		26%	44%	57%	56%	57%	62%	63%	63%	55%	33%	9%	17%	56%
Into Reservoir Storage		10	5,056	444	1,181	3,326	540	0	881	480	22	16	8	11,964
Reservoir Evaporation Loss		10	20	40	52	105	161	113	54	28	22	16	8	629
From Reservoir Storage		0	0	2,624	155	0	2,247	3,794	2,063	452	0	0	0	11,335
End of Month Reservoir Storage		1,500	6,536	4,316	5,290	8,511	6,643	2,736	1,500	1,500	1,500	1,500	1,500	1,500
State Exchange Diverted		0	0	0	0	4	0	113	2,902	411	18	0	0	3,448
Other Diversions		0	0	206	315	335	169	0	0	0	0	0	0	1,025
State Exch. Delivered		0	0	0	0	4	0	0	1,305	0	0	0	0	1,309
Other Delivered		0	0	0	0	0	0	0	0	0	0	0	0	0

KERN DELTA WATER DISTRICT
FARMERS CANAL SERVICE AREA

Quantities in acre-feet

Year: 1986

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	+ 1,845	6,101	1,012	3,193	4,274	3,846	2,640	1,607	0	0	0	0	24,518
Release	+ or - (1,776)	(714)	(421)	(429)	(2,547)	(705)	(998)	56	540	56	101	8	(6,829)
Ent'l + or - Releases	= 69	5,387	591	2,764	1,727	3,141	1,642	1,663	540	56	101	8	17,689
Into Storage	- 10	4,518	214	920	99	81	111	4	415	20	16	8	6,416
From Storage	+ 0	0	1,027	4	0	258	1,698	1,411	873	494	0	0	5,765
Other Supply	+ or - 0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Canal Loss	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Diversed at Head	= 59	869	1,404	1,848	1,628	3,318	3,229	3,070	998	530	85	0	17,038
Utility Deliveries	25	625	1,191	1,579	1,331	2,886	2,742	2,673	828	303	35	0	14,218
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries	- 25	625	1,191	1,579	1,331	2,886	2,742	2,673	828	303	35	0	14,218
Conveyance Losses	= 34	244	213	269	297	432	487	397	170	227	50	0	2,820
Delivery Percentage	42%	72%	85%	85%	82%	87%	85%	87%	83%	57%	41%	0%	83%
Into Reservoir Storage	10	4,518	214	920	99	81	111	4	415	20	16	8	6,416
Reservoir Evaporation Loss	10	18	38	65	99	115	121	93	42	26	16	8	651
From Reservoir Storage	0	0	1,027	4	0	258	1,698	1,411	873	494	0	0	5,765
End of Month Reservoir Storage	1,500	6,000	5,149	6,000	6,000	5,708	4,000	2,500	2,000	1,500	1,500	1,500	1,500
State Exchange Diverted	0	0	4	0	0	0	196	1,202	1,182	365	0	0	2,949
Other Diversions	0	0	311	1,256	1,444	351	0	0	0	0	0	0	3,362
State Exch. Delivered	0	0	4	0	0	0	0	0	0	0	0	0	4
Other Delivered	0	0	0	0	0	0	0	0	0	0	0	0	0

Kern Delta Water District Diversions
via First Point Conduit (River Canal)

Year: 1986

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	7	0	0	0	0	8	0	0	0
2	0	0	0	2	7	0	0	0	8	0	0	0
3	0	0	0	0	7	0	0	0	8	0	0	0
4	0	0	0	0	7	0	0	0	0	0	0	0
5	0	0	0	0	6	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	1	0	0	0	0	0	0	0	0	0	0
8	0	2	0	0	0	2	0	0	0	0	0	0
9	0	2	0	0	0	3	0	1	0	0	0	0
10	0	2	0	0	0	3	0	3	0	0	0	0
11	0	2	0	0	0	0	2	2	0	0	0	0
12	0	0	0	0	0	2	3	2	0	0	0	0
13	0	0	0	0	0	3	3	0	0	0	0	0
14	0	0	0	0	0	3	2	3	0	0	0	0
15	0	0	0	0	0	2	2	2	0	0	0	0
16	0	0	0	0	0	2	2	2	0	0	0	0
17	0	14	0	0	0	2	2	0	0	0	0	0
18	0	2	0	0	0	2	0	0	0	0	0	0
19	0	2	0	0	0	2	0	0	0	0	0	0
20	2	2	0	0	0	2	0	0	0	0	0	0
21	55	2	0	0	0	2	0	0	0	0	0	0
22	55	2	0	0	0	2	0	0	0	0	0	0
23	46	2	0	0	0	2	0	0	0	0	0	0
24	46	2	0	0	0	1	2	0	0	0	0	0
25	46	2	0	0	0	0	3	0	0	0	0	0
26	48	2	0	0	0	0	2	0	0	0	0	0
27	17	2	0	0	0	0	2	4	0	0	0	0
28	0	2	6	0	0	0	2	8	0	0	0	0
29	0	-	6	0	0	0	1	8	0	0	0	0
30	0	-	6	0	0	0	0	8	0	0	0	0
31	0	-	6	-	0	-	0	8	-	0	-	0
TOTAL	315	45	24	9	27	27	36	51	24	0	0	0
MAXIMUM DAY	55	14	6	7	7	3	3	8	8	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	10	2	1	0	1	1	1	2	1	0	0	0
TOTAL AC. FT.	624	89	48	18	54	54	72	101	48	0	0	0
WHOLE YEAR:-	TOTAL,	558	MAXIMUM,	55	MINIMUM,	0	MEAN,	2	TOTAL AC. FT.,	1,108		

KERN DELTA WATER DISTRICT
Recapitulation of Groundwater Recharge Operations

Year: 1986

Quantities in acre-feet

Canal Service Area	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Kern Island:													
Canal Conveyance Losses	2,183	2,047	2,792	3,536	3,822	4,481	4,961	4,112	2,617	2,514	1,428	2,247	36,740
Groundwater Recharge Deliveries	0	0	528	1,214	1,232	436	60	393	420	127	0	0	4,410
Kern Island Total	2,183	2,047	3,320	4,750	5,054	4,917	5,021	4,505	3,037	2,641	1,428	2,247	41,150
Eastside:													
Canal Conveyance Losses	151	159	421	462	529	568	387	294	(181)	80	67	178	3,115
Groundwater Recharge Deliveries	0	0	48	127	139	56	8	40	79	18	0	0	515
Eastside Total	151	159	469	589	668	624	395	334	(102)	98	67	178	3,630
Buena Vista:													
Canal Conveyance Losses	826	428	1,255	1,211	1,142	1,042	1,014	881	719	482	0	317	9,317
Groundwater Recharge Deliveries	0	0	988	1,888	1,574	372	136	1,071	1,113	328	0	0	7,470
Buena Vista Total	826	428	2,243	3,099	2,716	1,414	1,150	1,952	1,832	810	0	317	16,787
Stine:													
Canal Conveyance Losses	258	863	1,479	1,237	1,149	2,201	2,408	2,414	1,279	915	649	235	15,087
Groundwater Recharge Deliveries	0	0	171	315	312	127	68	308	274	7	0	0	1,602
Stine Total	258	863	1,650	1,552	1,461	2,328	2,496	2,722	1,553	922	649	235	16,689
Farmers:													
Canal Conveyance Losses	34	244	262	496	583	478	513	581	466	336	50	0	4,043
Groundwater Recharge Deliveries	0	0	262	1,029	1,158	305	170	1,018	886	256	0	0	5,084
Farmers Total	34	244	524	1,525	1,741	783	683	1,599	1,352	592	50	0	9,127
District:													
Canal Conveyance Losses	3,452	3,741	6,209	6,942	7,225	8,770	9,283	8,282	4,900	4,327	2,194	2,977	68,302
Groundwater Recharge Deliveries	0	0	1,997	4,573	4,415	1,296	462	2,830	2,772	736	0	0	19,081
District Total	3,452	3,741	8,206	11,515	11,640	10,066	9,745	11,112	7,672	5,063	2,194	2,977	87,383

Year: 1986

KERN DELTA WATER DISTRICT
State Aqueduct Exchange Diversion and Storage Recapitulation

Quantities in acre-feet

	Kern Island	Eastside	Eastside via K.I.	Buena Vista	Stine	Farmers	Resv. Loss	Other	Total	Storage Balance
										6,000
1985										
Carry Over	0	89	0	0	0	45	0	0	134	5,866
November	44	216	0	0	0	0	0	0	260	5,606
December	97	609	59	38	0	0	0	0	803	4,803
1986	364	631	203	278	0	0	0	0	1,476	3,327
Contract	548	908	327	48	0	4	6	0	1,841	1,486
November	1,053	2,453	589	364	0	49	6	0	4,514	
December										
1986										
Carry Over	0	0	0	0	0	0	0	0	0	30,186
March	540	401	527	18	0	0	6	0	1,492	28,694
April	245	608	487	54	0	4	0	0	1,398	27,296
May	306	887	725	0	0	0	0	0	1,918	25,378
June	299	1,258	931	167	113	196	0	0	2,964	22,414
July	743	1,611	893	2,921	2,902	1,202	0	0	10,272	12,142
August	445	615	271	1,440	411	1,182	0	0	4,364	7,778
September	151	611	224	409	18	365	0	0	1,778	6,000
October	0	0	0	0	0	0	0	0	0	6,000
November										
Total	2,729	5,991	4,058	5,009	3,444	2,949	6	0	24,186	
1986										
Carry Over	0	450	75	0	0	0	0	0	525	5,475
November	0	329	0	0	0	0	0	0	329	5,146
December										
1986										
Carry Over	0	779	75	0	0	0	0	0	854	
November										
December										
Total										6,000

CITY OF BAKERSFIELD

KERN RIVER CHANNEL OPERATIONS
CITY OF BAKERSFIELD

Quantities in acre-feet

Year: 1986

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ Kern River at First Point	31,277	39,039	95,946	172,221	205,204	233,197	193,767	1141,114	67,569	82,792	45,227	24,208	11,331,561
- Computed Loss	676	611	676	655	676	655	676	676	655	676	655	676	7,963
- Beardsley Canal at Head	4,246	10,302	24,309	35,225	47,314	46,572	45,116	30,179	21,072	23,887	12,704	4,902	305,828
- Carrier Canal at Head	8,445	10,272	27,995	35,841	37,250	42,573	46,504	43,022	24,801	20,053	12,153	5,254	314,163
= Rocky Point Weir	17,910	17,854	42,966	100,500	1119,964	1143,397	1101,471	67,237	21,041	38,176	19,715	13,376	703,607
+ Carrier Waste Gate	0	0	0	0	0	0	0	0	0	0	417	0	417
+ Farmers-Stine-Anderson: to River	301	0	0	0	0	0	0	0	127	0	0	0	428
- Farmers-Stine-Anderson: from River	6,069	9,095	18,335	17,381	14,122	23,574	25,120	19,875	8,688	11,623	4,407	2,154	160,443
- Calloway Canal at Head	6,357	2,545	11,477	27,675	37,466	32,435	28,744	15,772	11,435	12,920	10,786	10,349	207,961
- River Loss: Rocky Pt. to Cally. Weir	740	857	1,358	817	853	736	538	460	547	621	456	483	8,466
= Calloway River Weir	5,045	5,357	11,796	54,627	67,523	86,652	47,069	31,130	498	13,012	4,483	390	327,582
+ CVC T.O. #4 to River	119	0	0	107	61	242	77	32	0	543	0	1,686	2,867
+ CVC T.O. #3 to River	501	0	0	0	0	0	0	0	0	0	607	552	1,660
+ Friant-Kern Inflow	0	26,929	67,941	7,617	0	0	0	0	0	0	0	0	102,487
- River Canal from River	0	0	0	0	0	0	0	0	0	0	0	0	0
- River Loss: Cally. Weir to River Canal Weir	4,427	3,861	5,617	4,941	4,292	4,546	3,150	2,339	234	3,753	2,846	1,986	41,992
= River Canal Weir	1,238	28,425	74,120	57,410	63,292	82,348	43,996	28,823	264	9,802	2,244	642	392,604
+ Pioneer Turnout	3,346	189	635	2,761	7,563	61	0	1,771	4,534	8,688	0	1,019	30,507
+ CVC T.O. #2 to River	0	0	0	0	0	0	0	1,484	89	293	6,906	2,252	11,024
- Rosedale Channel at Head	3,190	5,633	12,863	14,624	13,896	10,748	371	274	69	12,088	6,409	1,396	81,561
- Pioneer Canal at Head	0	2,533	8,259	11,058	11,445	9,604	8,642	8,216	3,475	756	0	0	63,988
- River Loss: River Canal to Stockdale Hwy.	1,394	1,739	2,700	1,472	1,360	1,482	1,040	869	627	1,092	595	491	14,861
= Flow at Stockdale Highway	0	18,649	50,933	33,017	44,154	60,575	33,943	22,719	716	4,847	2,146	2,026	273,725
- River Loss: Std. Hwy. to Berrinda Mesa T.O.	0	0	0	0	0	0	0	0	0	1,258	416	415	2,089
- Berrinda Mesa Turnout from River	0	0	0	2,876	3,064	2,291	2,346	2,029	89	2,376	1,730	1,611	18,412
+ CVC T.O. #1 to River	0	0	0	0	0	0	0	90	0	7,512	9,205	6,126	22,933
+ Pioneer Canal (P-1 Lateral) to 2800 Acres	0	0	0	286	845	313	0	0	0	0	0	0	1,444
- Pioneer Canal (P-1 Lateral) from 2800 Acres	0	0	0	0	0	0	0	0	0	31	46	0	77
+ River Canal T.O. to 2800 Acres	0	0	0	0	0	0	0	0	0	286	0	0	286
- 2800 Acre Recharge Facility	0	18,649	22,925	15,767	14,977	14,608	11,084	9,688	621	8,980	9,159	6,126	132,584
= River Channel below 2800 Acres	0	0	28,008	14,660	26,958	43,989	20,513	11,092	6	0	0	0	145,226

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CARRIER CANAL OPERATIONS
CITY OF BAKERSFIELD

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Quantities in acre-feet

Year: 1986

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ Carrier Canal at Head	8,445	10,272	27,995	35,841	37,250	42,573	46,504	43,022	24,801	20,053	12,153	5,254	314,163
- Carrier Waste Gate	0	0	0	0	0	0	0	0	0	0	417	0	417
+ Oilfield Discharges (Chevron + Texaco)	277	0	0	0	0	0	0	0	0	0	0	424	701
= Carrier Reclamation Weir	8,722	10,272	27,995	35,841	37,250	42,573	46,504	43,022	24,801	20,053	11,736	5,678	314,447
+ Oilfield Discharges (Tenneco Oil)	29	0	0	0	0	0	0	0	0	0	0	32	61
+ Storm Drain Inflow/Canal Drainage	0	34	0	0	0	0	0	0	0	0	32	0	66
- Eastside Canal at Head	609	631	1,819	2,489	3,037	3,973	3,481	2,531	615	611	450	329	20,575
- Kern Island Canal at Head	5,250	5,193	12,022	14,275	15,386	21,005	22,649	18,744	8,519	7,607	3,957	4,181	138,788
= Levee No. 1	2,892	4,482	14,154	19,077	18,827	17,595	20,374	21,747	15,667	11,835	7,361	1,200	155,211
- Farmers-Stine-Anderson: to River	301	0	0	0	0	0	0	0	127	0	0	0	428
+ Farmers-Stine-Anderson: from River	6,069	9,095	18,335	17,381	14,122	23,574	25,120	19,875	8,688	11,623	4,407	2,154	160,443
= Carrier Canal at Oak Street	8,660	13,577	32,489	36,458	32,949	41,169	45,494	41,622	24,228	23,458	11,768	3,354	315,226
- Stine Canal at Head	492	2,116	5,137	5,597	5,137	8,787	9,558	9,088	4,578	1,254	865	282	52,891
- Carrier Spreading Facility	440	413	581	897	956	893	1,186	907	912	1,027	857	789	9,858
- Arvin-Edison Turnout	0	0	0	0	0	0	8,882	5,547	0	1,212	0	0	15,641
- Total Carrier Canal Loss	520	724	863	837	912	1,089	1,184	819	748	652	486	524	9,358
+ River Canal from River	0	0	0	0	0	0	0	0	0	0	0	0	0
= River Canal at Stockdale Highway	7,208	10,324	25,908	29,127	25,944	30,400	24,684	25,261	17,990	19,313	9,560	1,759	227,478
- Buena Vista Canal at Head	1,228	4,441	4,627	5,405	5,211	8,124	8,495	8,459	3,580	1,376	0	740	51,686
- Pioneer Turnout	3,346	129	635	2,761	7,563	61	0	1,771	4,534	8,688	0	1,019	30,507
- James Canal at Head	0	700	3,209	4,463	3,971	3,757	3,856	3,977	1,369	0	0	0	25,302
= River Canal at Alternate Second Point	2,634	5,054	17,437	16,498	9,199	18,458	12,333	11,054	8,507	9,249	9,560	0	119,983

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

Quantities in acre-feet

Year: 1986

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	
River Entitlement	+	1,370	41,993	50,930	40,116	63,233	52,235	27,659	16,767	1,024	1,132	1,077	1,033	298,569
Release	+	4,738	1,738	636	668	1,254	479	423	310	166	98	113	1,084	11,707
ENTITLEMENT + DR - RELEASES	=	6,108	43,731	51,566	40,784	64,487	52,714	28,082	17,077	1,190	1,230	1,190	2,117	310,276
NKMSD to City	+	0	0	0	0	0	0	0	0	69	4,931	0	0	5,000
From Reservoir Storage	+	32	192	1,471	12,288	2,053	28,731	13,527	22,321	2,921	6,148	7,647	209	97,540
Into Reservoir Storage	-	1,263	45,746	19,678	823	17,865	8,051	115	3,507	6	4	3,129	0	100,187
Other	+ or -	0	8,631	0	0	0	(13,658)	0	0	(917)	0	3,129	197	(2,618)
TOTAL SUPPLY	=	4,877	6,808	33,359	52,249	48,675	59,736	41,494	35,891	3,257	12,305	8,837	2,523	310,011
Lake Ming		16	16	44	60	77	105	127	121	91	65	42	26	790
North Kern MSD		0	186	0	0	0	5,000	5,000	10,000	0	0	0	0	20,186
Camelo WD		0	613	2,400	5,000	8,111	6,909	6,059	5,400	0	0	0	0	34,492
Kern-Tulare WD		0	186	803	1,970	3,953	3,873	3,976	0	0	0	0	0	18,692
Rag Gulch WD		0	28	119	298	594	584	600	600	0	0	0	0	2,823
Rosedale Rio Bravo MSD		3,190	4,443	10,268	9,937	15,251	9,801	0	0	69	10,727	1,003	795	65,484
James-Pioneer ID		0	0	5,446	15,235	6,785	12,267	12,462	5,167	0	0	0	0	57,362
Rosedale Ranch ID		0	0	2,197	4,685	4,921	5,000	6,878	4,328	2,331	760	313	0	31,413
Tenneco Farming		0	0	0	127	182	224	257	236	0	0	0	0	1,026
KCMA/Improvement District # 4		1,077	415	0	0	1,138	0	0	0	0	0	5,140	1,515	9,285
Central Service Area		0	4	44	60	20	58	76	0	16	16	0	0	294
via Eastside Canal		0	0	18	45	44	52	8	0	0	0	0	0	167
Carrier Spreading Facility		0	0	0	0	190	0	0	0	0	0	0	0	190
C.A.L.M.		0	0	0	2	0	0	0	0	0	0	0	0	2
1st Point Passing 2nd Point		0	0	0	0	0	4,262	0	0	0	0	0	0	4,262
2800 Acre Banking		0	0	4,782	6,802	0	3,755	0	0	0	0	0	0	15,339
River and Carrier Canal Loss		594	917	7,238	8,028	7,409	7,846	6,096	6,063	750	737	2,339	187	48,204
TOTAL DIVERTED	=	4,877	6,808	33,359	52,249	48,675	59,736	41,494	35,891	3,257	12,305	8,837	2,523	310,011
Into Reservoir Storage		1,263	45,746	19,678	823	17,865	8,051	115	3,507	6	4	3,129	0	100,187
Reservoir Evaporation Loss		119	191	532	853	1,182	1,247	1,194	815	551	371	181	77	7,313
From Reservoir Storage		32	192	1,471	12,288	2,053	28,731	13,527	22,321	2,921	6,148	7,647	209	97,540
End of Month Reservoir Storage		18,011	63,374	81,049	68,731	83,361	61,434	46,828	27,199	23,733	17,218	12,519	12,233	

CITY OF BAKERSFIELD
STATUS OF LONG TERM CONTRACTS

Quantities in
acre-feet

NORTH KERN WATER STORAGE DISTRICT

Year	Basic Contract		Cumulative Contract		Basic Contract Balance
	Amount	Delivered	Amount	Delivered	
1977	20,000	20,000	20,000	20,000	0
1978	20,000	40,000	40,000	40,000	0
1979	20,000	60,000	60,000	60,000	0
1980	20,000	80,000	80,000	80,000	0
1981	20,000	100,000	100,000	100,000	0
1982	20,000	120,000	120,000	120,000	0
1983	20,000	140,000	140,000	140,000	0
1984	20,000	160,000	160,000	160,000	0
1985	20,000	180,000	180,000	180,000	0
1986	20,000	200,000	200,000	200,000	0

CAMELO WATER DISTRICT

Year	Basic Contract		Cumulative Contract		Basic Contract Balance
	Amount	Delivered	Amount	Delivered	
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

KERN-TULARE WATER DISTRICT

Year	Basic Contract		Cumulative Contract		Basic Contract Balance
	Amount	Delivered	Amount	Delivered	
1977	20,000	4,673	4,673	4,673	(15,327)
1978	20,000	23,690	28,363	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	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

RAG GULCH WATER DISTRICT

Year	Basic Contract		Cumulative Contract		Basic Contract Balance
	Amount	Delivered	Amount	Delivered	
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	3,000	21,000	0
1984	3,000	24,000	3,000	24,000	0
1985	3,000	27,000	3,000	27,000	0
1986	3,000	30,000	3,000	30,000	0

CITY OF BAKERSFIELD
Deliveries to Long Term Contractors

Year: 1986

Basic Contract

Quantities in acre-feet

	NORTH KERN		CAMELO		KERN-TULARE		RAG GULCH		MONTH	
	Basic	Accum.	Basic	Accum.	Basic	Accum.	Basic	Accum.	Basic	TOTALS
January	0	0	0	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0	0	0	0
March	0	2,400	2,400	2,400	2,000	2,000	300	300	4,700	4,700
April	0	3,000	5,400	5,400	2,000	4,000	300	600	5,300	10,000
May	0	5,400	10,800	10,800	4,000	8,000	600	1,200	10,000	20,000
June	5,000	5,000	16,200	16,200	4,000	12,000	600	1,800	15,000	35,000
July	5,000	10,000	21,600	21,600	4,000	16,000	600	2,400	15,000	50,000
August	10,000	20,000	27,000	27,000	4,000	20,000	600	3,000	20,000	70,000
September	0	20,000	27,000	27,000	0	20,000	0	3,000	0	70,000
October	0	20,000	27,000	27,000	0	20,000	0	3,000	0	70,000
November	0	20,000	27,000	27,000	0	20,000	0	3,000	0	70,000
December	0	20,000	27,000	27,000	0	20,000	0	3,000	0	70,000
Year Total	20,000	27,000	27,000	27,000	20,000	20,000	3,000	3,000	70,000	70,000

Note: Kern-Tulare WD & Rag Gulch WD Deliveries for March 1986; Includes Basic Contract water charged "as delivered" under Article VI, Section 6.1d of the Kern-Tulare WD and Rag Gulch WD Basic Contracts.

Quantities in acre-feet

Year: 1986

CAMELO WATER DISTRICT DIVERSION SUMMARY

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Camelo MD via Pump Station "B"	238	1,368	2,584	6,960	10,582	12,125	12,442	10,358	5,534	5,456	1,307	303	69,257
K-TMD via Pump Station "B"	0	0	0	300	244	73	0	0	0	0	0	0	617
Total via Pump Station "B"	238	1,368	2,584	7,260	10,826	12,198	12,442	10,358	5,534	5,456	1,307	303	69,874
Lerdo Delivery Gate No. 8-0-2	0	0	0	0	12	34	70	52	16	0	0	0	184
Lerdo Delivery Gate No. 8-0-10	0	0	0	0	0	300	155	143	141	12	0	0	751
Lerdo Delivery Gate No. 8-0-15	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-22	18	0	71	155	250	171	79	159	24	0	0	0	927
Lerdo Delivery Gate No. 8-0-24	0	0	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-288	0	0	0	0	0	123	141	71	46	0	0	0	381
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	0	0	0	0	0	0	0	0	0	0	0
Lerdo Delivery Gate No. 8-0-291	2	2	12	60	174	198	162	127	71	36	12	0	856
Lerdo Delivery Gate No. 8-0-292	2	2	2	16	48	49	50	28	20	16	30	0	263
Lerdo Delivery Gate No. 8-23-006	0	0	0	41	0	77	143	18	137	14	0	0	430
Total Lerdo Gate Deliveries	22	4	85	272	484	952	800	598	455	78	42	0	3,792
Beardsley Canal Loss: Camelo MD	22	56	61	60	61	60	61	61	60	61	50	14	627
Beardsley Canal Loss: K-TMD	0	0	0	6	5	2	0	0	0	0	0	0	13
Lerdo Loss: Camelo MD	2	14	27	75	115	137	139	113	63	56	14	3	758
Lerdo Loss: Kern-Tulare MD	0	0	0	6	5	2	0	0	0	0	0	0	13
Total Loss	24	70	88	147	186	201	200	174	123	117	64	17	1,411
Total Diverted for Camelo MD	284	1,442	2,757	7,367	11,242	13,274	13,442	11,130	6,112	5,651	1,413	320	74,434
Total Diverted for K-TMD	0	0	0	312	254	77	0	0	0	0	0	0	643
Total Diverted	284	1,442	2,757	7,679	11,496	13,351	13,442	11,130	6,112	5,651	1,413	320	75,077

Camelo Water District Source of Supply:

City of Bakersfield Basic Contract	0	0	2,400	3,000	5,400	5,400	5,400	5,400	0	0	0	0	27,000
City of Bakersfield Miscellaneous	0	613	0	2,000	2,711	1,509	659	0	0	0	0	0	7,492
Buena Vista MSD Exchange	0	0	0	2,000	2,711	6,000	7,000	5,167	5,570	4,552	561	229	33,790
North Kern MSD Exchange	165	490	0	0	0	0	0	143	141	671	517	0	2,127
City of Bakersfield Oilfield Disch. via CVC Conduit "A"	119	339	357	367	420	365	383	420	401	428	335	91	4,025
Total	0												

Kern-Tulare Water District Source of Supply:

City of Bakersfield Basic Contract	0	0	0	312	254	77	0	0	0	0	0	0	643
City of Bakersfield Miscellaneous	0	0	0	0	0	0	0	0	0	0	0	0	0
Other:	0	0	0	0	0	0	0	0	0	0	0	0	0

DISCHARGE IN CUBIC FEET PER SECOND Camelo Water District Total from Beardsley-Lerdo Canal System Year: 1986

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	13	60	88	136	205	222	213	122	78	33	10
2	0	13	61	51	141	219	225	216	135	78	33	31
3	0	13	68	88	143	219	224	190	137	115	37	41
4	0	14	62	122	173	217	217	197	135	111	34	40
5	0	15	61	115	175	220	216	194	124	110	36	0
6	0	13	63	113	178	219	208	191	118	112	35	0
7	0	27	60	82	176	230	219	192	109	74	34	0
8	0	28	60	81	160	218	219	192	123	87	33	0
9	0	27	39	92	200	232	233	183	110	126	34	0
10	0	27	21	143	195	233	239	182	90	126	34	0
11	0	28	15	152	189	230	240	188	93	126	65	0
12	0	27	27	137	217	231	235	192	94	128	66	0
13	0	27	28	117	219	226	219	192	91	129	46	0
14	0	27	27	126	187	228	239	191	85	90	33	0
15	0	28	27	143	186	199	239	195	90	90	31	0
16	0	27	28	143	177	217	224	188	92	90	32	0
17	0	27	27	124	130	223	230	183	92	75	11	0
18	0	27	27	116	124	231	229	189	93	73	11	0
19	0	13	27	125	156	232	228	203	92	73	12	0
20	0	13	15	125	173	231	220	216	89	75	11	0
21	7	14	16	134	173	222	231	215	85	73	11	0
22	13	13	15	143	187	214	226	176	90	84	10	0
23	13	34	37	142	197	226	206	174	91	82	0	0
24	13	46	37	143	205	216	215	161	94	82	0	0
25	13	47	38	135	176	224	179	175	96	82	0	0
26	13	46	51	137	212	230	175	147	94	81	0	0
27	13	47	58	152	209	229	172	147	114	85	0	0
28	18	46	58	154	217	230	214	148	110	83	10	0
29	14	-	94	155	215	216	212	134	117	85	10	13
30	13	-	88	136	221	225	211	127	76	74	10	13
31	13	-	95	-	221	-	211	120	-	72	-	14
TOTAL	143	727	1,390	3,714	5,668	6,692	6,777	5,611	3,081	2,849	712	162
MAXIMUM DAY	18	47	95	155	221	233	240	216	137	129	66	41
MINIMUM DAY	0	13	15	51	124	199	172	120	76	72	0	0
MEAN	5	26	45	124	183	223	219	181	103	92	24	5
TOTAL AC.FT.	284	1,442	2,757	7,367	11,242	13,274	13,442	11,130	6,112	5,651	1,413	350
WHOLE YEAR:-	TOTAL,	37,526	MAXIMUM,	240	MINIMUM,	0	MEAN,	103	TOTAL AC.FT.,	74,434		

City of Bakersfield Diverted to Camelo Water District
(Basic Contract) Year: 1986

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	53	82	130	199	215	205	0	0	0	0
2	0	0	55	46	134	213	219	209	0	0	0	0
3	0	0	62	81	135	214	217	165	0	0	0	0
4	0	0	57	116	165	211	210	193	0	0	0	0
5	0	0	56	109	167	213	210	190	0	0	0	0
6	0	0	57	107	171	212	201	186	0	0	0	0
7	0	0	54	77	169	223	213	187	0	0	0	0
8	0	0	53	76	152	211	213	184	0	0	0	0
9	0	0	34	86	193	226	228	175	0	0	0	0
10	0	0	18	139	187	227	233	174	0	0	0	0
11	0	0	10	146	181	224	234	182	0	0	0	0
12	0	0	22	133	210	225	229	185	0	0	0	0
13	0	0	22	112	212	124	101	185	0	0	0	0
14	0	0	21	120	181	0	0	184	0	0	0	0
15	0	0	20	83	180	0	0	98	0	0	0	0
16	0	0	21	0	155	0	0	0	0	0	0	0
17	0	0	21	0	0	0	0	0	0	0	0	0
18	0	0	21	0	0	0	0	0	0	0	0	0
19	0	0	22	0	0	0	0	0	0	0	0	0
20	0	0	11	0	0	0	0	0	0	0	0	0
21	0	0	10	0	0	0	0	0	0	0	0	0
22	0	0	9	0	0	0	0	0	0	0	0	0
23	0	0	31	0	0	0	0	0	0	0	0	0
24	0	0	31	0	0	0	0	0	0	0	0	0
25	0	0	32	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	51	0	0	0	0	0	0	0	0	0
28	0	0	52	0	0	0	0	0	0	0	0	0
29	0	0	88	0	0	0	0	0	0	0	0	0
30	0	0	82	0	0	0	0	0	0	0	0	0
31	0	0	89	-	0	-	0	0	-	0	-	0
TOTAL	0	0	1,210	1,513	2,722	2,722	2,723	2,722	0	0	0	0
MAXIMUM DAY	0	0	89	146	212	227	234	209	0	0	0	0
MINIMUM DAY	0	0	9	0	0	0	0	0	0	0	0	0
MEAN	0	0	39	50	88	91	88	88	0	0	0	0
TOTAL AC.FT.	0	0	2,400	3,000	5,400	5,400	5,400	5,400	0	0	0	0
WHOLE YEAR:-	TOTAL,	13,612	MAXIMUM,	234	MINIMUM,	0	MEAN,	37	TOTAL AC.FT.,	27,000		

City of Bakersfield Diverted to Camelo Water District
(Miscellaneous) Year: 1986

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	5	0	0	0	0	0	0	0	0	0	0
13	0	8	0	0	49	56	0	0	0	0	0	0
14	0	111	0	0	111	118	0	0	0	0	0	0
15	0	7	0	27	97	118	0	0	0	0	0	0
16	0	7	0	69	8	106	40	0	0	0	0	0
17	0	8	0	58	62	108	0	0	0	0	0	0
18	0	8	0	55	59	113	0	0	0	0	0	0
19	0	7	0	60	74	113	0	0	0	0	0	0
20	0	9	0	59	84	64	0	0	0	0	0	0
21	0	7	0	64	83	0	0	0	0	0	0	0
22	0	6	0	69	91	0	0	0	0	0	0	0
23	0	27	0	67	95	0	0	0	0	0	0	0
24	0	40	0	68	99	0	0	0	0	0	0	0
25	0	41	0	63	84	0	0	0	0	0	0	0
26	0	40	0	65	103	0	0	0	0	0	0	0
27	0	41	0	72	101	0	0	0	0	0	0	0
28	0	40	0	74	106	0	0	0	0	0	0	0
29	0	-	0	74	104	0	0	0	0	0	0	0
30	0	-	0	64	107	0	0	0	0	0	0	0
31	0	-	0	-	107	-	0	0	-	0	-	0
TOTAL	0	309	0	1,008	1,367	761	332	0	0	0	0	0
MAXIMUM DAY	0	41	0	74	107	113	118	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	11	0	34	44	25	11	0	0	0	0	0
TOTAL AC. FT.	0	613	0	2,000	2,711	1,509	659	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	3,777	MAXIMUM,	118	MINIMUM,	0	MEAN,	10	TOTAL AC. FT.,	7,492		

City of Bakersfield Diverted to Camelo Water District
(Non-Kern River) Year: 1986

DISCHARGE IN CUBIC FEET PER SECOND												
DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	5	7	6	6	6	7	8	9	6	7	7
2	0	5	6	5	7	6	6	7	9	7	7	7
3	0	6	6	7	8	5	7	5	9	7	7	6
4	0	6	5	6	8	6	7	4	9	8	7	6
5	0	5	5	6	8	7	6	4	8	7	7	0
6	0	5	6	6	7	7	7	5	8	7	7	0
7	0	7	6	5	7	7	6	5	8	7	7	0
8	0	7	7	5	8	7	6	8	7	7	8	0
9	0	7	5	6	7	6	6	8	5	8	8	0
10	0	6	3	4	8	6	6	8	7	8	7	0
11	0	6	5	6	8	6	6	6	6	7	7	0
12	0	7	5	4	7	6	6	7	6	7	7	0
13	0	7	6	5	7	4	6	7	6	7	6	0
14	0	6	6	6	6	6	3	7	7	7	6	0
15	0	5	7	6	6	6	4	3	6	7	7	0
16	0	7	7	6	6	5	6	8	6	7	6	0
17	0	6	6	7	6	6	6	8	5	7	6	0
18	0	7	6	6	7	6	6	6	5	7	7	0
19	0	6	5	6	7	6	6	6	6	7	6	0
20	0	4	4	6	6	6	6	6	5	7	6	0
21	5	7	6	6	6	6	6	7	6	6	6	0
22	5	7	6	6	6	7	6	8	5	5	6	0
23	5	7	6	7	6	5	7	8	6	6	0	0
24	6	6	6	8	7	6	7	8	6	7	0	0
25	6	6	6	8	8	6	8	7	6	7	0	0
26	6	6	6	7	7	7	8	6	7	7	0	0
27	5	6	7	8	6	8	7	8	7	7	0	0
28	5	6	6	7	6	8	7	7	7	7	7	0
29	6	-	6	7	7	7	6	8	7	7	7	6
30	6	-	6	7	7	4	8	9	8	7	7	7
31	5	-	6	-	6	-	5	9	-	8	-	7
TOTAL	60	171	180	185	212	184	193	212	202	216	169	46
MAXIMUM DAY	6	7	7	8	8	8	8	9	9	8	8	7
MINIMUM DAY	0	4	3	4	6	4	3	3	5	5	0	0
MEAN	2	6	6	6	7	6	6	7	7	7	6	1
TOTAL AC.FT.	119	339	357	367	420	365	383	420	401	428	335	91
WHOLE YEAR:-	TOTAL,	2,030	MAXIMUM,	9	MINIMUM,	0	MEAN,	6	TOTAL AC.FT.,	4,025		

Year: 1986

Buena Vista WSD Diverted to Camelo 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	113	70	0	3
2	0	0	0	0	0	0	0	0	117	69	0	24
3	0	0	0	0	0	0	0	0	119	106	0	35
4	0	0	0	0	0	0	0	0	117	103	0	34
5	0	0	0	0	0	0	0	0	107	103	0	0
6	0	0	0	0	0	0	0	0	101	105	0	0
7	0	0	0	0	0	0	0	0	101	67	0	0
8	0	0	0	0	0	0	0	0	108	80	0	0
9	0	0	0	0	0	0	0	0	105	118	0	0
10	0	0	0	0	0	0	0	0	83	118	11	0
11	0	0	0	0	0	0	0	0	87	119	58	0
12	0	0	0	0	0	0	0	0	88	121	59	0
13	0	0	0	0	0	49	56	0	85	122	40	0
14	0	0	0	0	0	111	118	0	78	81	27	0
15	0	0	0	27	0	96	117	94	84	83	24	0
16	0	0	0	68	8	106	178	180	86	83	26	0
17	0	0	0	59	62	109	224	175	85	68	5	0
18	0	0	0	55	58	112	223	183	86	66	4	0
19	0	0	0	59	75	113	222	196	84	65	6	0
20	0	0	0	60	83	161	214	201	84	68	5	0
21	0	0	0	64	84	216	225	199	79	67	5	0
22	0	0	0	68	90	207	220	159	85	79	4	0
23	0	0	0	68	96	221	199	157	85	76	0	0
24	0	0	0	67	99	210	208	153	84	75	0	0
25	0	0	0	64	84	218	171	159	86	75	0	0
26	0	0	0	65	102	223	167	132	83	74	0	0
27	0	0	0	72	102	221	165	130	107	33	0	0
28	0	0	0	73	105	222	207	132	103	0	3	0
29	0	-	0	74	104	209	206	126	110	0	3	7
30	0	-	0	65	107	221	203	118	68	0	3	6
31	0	-	0	-	108	-	206	111	-	0	-	7
TOTAL	0	0	0	1,008	1,367	3,025	3,529	2,605	2,808	2,295	283	116
MAXIMUM DAY	0	0	0	74	108	223	225	201	119	122	59	35
MINIMUM DAY	0	0	0	0	0	0	0	0	68	0	0	0
MEAN	0	0	0	34	44	101	114	84	94	74	9	4
TOTAL AC.FT.	0	0	0	2,000	2,711	6,000	7,000	5,167	5,570	4,552	561	229
WHOLE YEAR:-	TOTAL,	17,036	MAXIMUM,	225	MINIMUM,	0	MEAN,	47	TOTAL AC.FT.,	33,790		

City of Bakersfield Diverted for Kern-Tulare WD via Camelo WD Pump Station "B" (Basic Contract)												Year: 1986
DISCHARGE IN CUBIC FEET PER SECOND	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	7	0	9	0	0	0	0	0	0
2	0	0	0	7	0	0	0	0	0	0	0	0
3	0	0	0	7	0	0	0	0	0	0	0	0
4	0	0	0	9	0	0	0	0	0	0	0	0
5	0	0	0	7	0	0	0	0	0	0	0	0
6	0	0	0	8	0	0	0	0	0	0	0	0
7	0	0	0	8	0	0	0	0	0	0	0	0
8	0	0	0	8	17	0	0	0	0	0	0	0
9	0	0	0	9	0	0	0	0	0	0	0	0
10	0	0	0	11	5	0	0	0	0	0	0	0
11	0	0	0	6	8	0	0	0	0	0	0	0
12	0	0	0	6	0	0	0	0	0	0	0	0
13	0	0	0	5	0	0	0	0	0	0	0	0
14	0	0	0	5	0	0	0	0	0	0	0	0
15	0	0	0	7	0	10	0	0	0	0	0	0
16	0	0	0	6	5	11	0	0	0	0	0	0
17	0	0	0	6	7	9	0	0	0	0	0	0
18	0	0	0	6	8	0	0	0	0	0	0	0
19	0	0	0	10	7	0	0	0	0	0	0	0
20	0	0	0	8	9	0	0	0	0	0	0	0
21	0	0	0	8	9	0	0	0	0	0	0	0
22	0	0	0	1	10	0	0	0	0	0	0	0
23	0	0	0	1	9	0	0	0	0	0	0	0
24	0	0	0	1	8	0	0	0	0	0	0	0
25	0	0	0	0	7	0	0	0	0	0	0	0
26	0	0	0	0	8	0	0	0	0	0	0	0
27	0	0	0	0	9	0	0	0	0	0	0	0
28	0	0	0	0	2	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	157	128	39	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	11	17	11	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	5	4	1	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	312	254	77	0	0	0	0	0	0
WHOLE YEAR--	TOTAL,	324	MAXIMUM,	17	MINIMUM,	0	MEAN,	1	TOTAL AC. FT.,	643		

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

Year: 1986

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	24	0	81	95	127	120	0	0	0	0
2	0	0	19	0	82	88	137	123	0	0	0	0
3	0	0	22	0	80	90	137	127	0	0	0	0
4	0	0	24	0	79	76	137	149	0	0	0	0
5	0	0	24	0	79	76	140	144	0	0	0	0
6	0	0	27	0	73	80	139	159	0	0	0	0
7	0	0	26	0	79	80	136	154	0	0	0	0
8	0	0	18	0	80	81	133	148	0	0	0	0
9	0	0	20	57	83	87	122	149	0	0	0	0
10	0	0	18	66	91	83	123	151	0	0	0	0
11	0	0	18	66	80	85	113	99	0	0	0	0
12	0	0	12	62	86	89	112	43	0	0	0	0
13	0	0	20	65	87	98	119	49	0	0	0	0
14	0	0	32	66	93	111	127	45	0	0	0	0
15	0	0	34	60	87	107	134	46	0	0	0	0
16	0	0	34	66	86	104	81	48	0	0	0	0
17	0	0	33	61	85	109	0	44	0	0	0	0
18	0	0	0	67	89	104	0	57	0	0	0	0
19	0	0	0	74	93	106	0	66	0	0	0	0
20	0	0	0	74	86	120	0	63	0	0	0	0
21	0	0	0	67	82	109	0	32	0	0	0	0
22	0	0	0	0	84	0	0	0	0	0	0	0
23	0	0	0	0	44	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	405	851	1,889	1,978	2,017	2,016	0	0	0	0
MAXIMUM DAY	0	0	34	74	93	120	140	159	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	13	28	61	66	65	65	0	0	0	0
TOTAL AC. FT.	0	0	803	1,588	3,746	3,923	4,000	4,000	0	0	0	0
WHOLE YEAR:-	TOTAL,	9,156	MAXIMUM,	159	MINIMUM,	0	MEAN,	25	TOTAL AC. FT.,	18,160		

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

Year: 1986

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	94	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	6	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	3	0	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	0	186	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	94	MAXIMUM,	6	MINIMUM,	0	MEAN,	0	TOTAL AC.FT.,	186		

City of Bakersfield Diverted for Rag Gulch WD
(Rag Gulch WD / Improvement District No. 4 Exchange)
(Basic Contract) Year: 1986

DISCHARGE IN CUBIC FEET PER SECOND												
DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	4	0	13	15	19	18	0	0	0	0
2	0	0	3	0	13	13	20	18	0	0	0	0
3	0	0	3	0	13	14	20	19	0	0	0	0
4	0	0	3	0	12	12	20	23	0	0	0	0
5	0	0	4	0	12	12	21	22	0	0	0	0
6	0	0	4	0	12	12	21	24	0	0	0	0
7	0	0	4	0	12	12	20	23	0	0	0	0
8	0	0	3	0	13	12	20	22	0	0	0	0
9	0	0	3	10	13	13	18	22	0	0	0	0
10	0	0	3	12	14	13	18	23	0	0	0	0
11	0	0	3	11	12	13	17	15	0	0	0	0
12	0	0	2	11	14	14	17	6	0	0	0	0
13	0	0	3	11	14	15	18	8	0	0	0	0
14	0	0	5	12	15	17	19	7	0	0	0	0
15	0	0	4	11	14	17	20	7	0	0	0	0
16	0	0	5	12	14	16	14	7	0	0	0	0
17	0	0	4	11	13	17	0	7	0	0	0	0
18	0	0	0	12	14	16	0	9	0	0	0	0
19	0	0	0	13	15	16	0	10	0	0	0	0
20	0	0	0	13	14	18	0	9	0	0	0	0
21	0	0	0	12	13	15	0	4	0	0	0	0
22	0	0	0	0	13	0	0	0	0	0	0	0
23	0	0	0	0	10	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	60	151	302	302	302	303	0	0	0	0
MAXIMUM DAY	0	0	5	13	15	18	21	24	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	2	5	10	10	10	10	0	0	0	0
TOTAL AC. FT.	0	0	119	300	600	600	600	600	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,420	MAXIMUM,	24	MINIMUM,	0	MEAN,	4	TOTAL AC. FT.,	2,819		

City of Bakersfield Diverted for Rag Gulch WD
(Rag Gulch WD / Improvement District No. 4 Exchange)
(Miscellaneous) Year: 1986

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	14	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	1	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	1	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	28	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	14	MAXIMUM,	1	MINIMUM,	0	MEAN,	0	TOTAL AC. FT.,	28		

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

Quantities in acre-feet

Year: 1986

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Basic Contract Diverted +	0	0	922	2,300	4,600	4,600	4,600	4,600	0	0	0	0	21,622
Misc. Quantity Diverted +	0	214	0	0	0	0	0	0	0	0	0	0	214
Total Diverted =	0	214	922	2,300	4,600	4,600	4,600	4,600	0	0	0	0	21,836
+ via Calloway Canal	0	214	765	1,573	3,594	3,759	3,867	3,880	0	0	0	0	17,652
+ via Carrier Spreading	0	0	157	383	699	621	607	613	0	0	0	0	3,080
+ via KRC & I Co. #1 Ditch	0	0	0	0	0	0	57	83	0	0	0	0	140
+ via Rosedale Channel	0	0	0	0	0	0	22	24	0	0	0	0	46
+ River Trans. Loss	0	0	0	32	53	143	47	0	0	0	0	0	275
= Diverted to I.D. #4	-	214	922	1,988	4,346	4,523	4,600	4,600	0	0	0	0	21,193
via Pump Station "B"	=	0	0	312	254	77	0	0	0	0	0	0	643

DISCHARGE IN CUBIC FEET PER SECOND

City of Bakersfield Diverted for 2,600 Acre Banking (Kern River Supply)
(Includes Banking via J.P.I.D. laterals)

Year: 1966

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	251	137	0	0	0	0	0	0	0
2	0	0	0	431	0	0	0	0	0	0	0	0
3	0	0	0	273	0	482	0	0	0	0	0	0
4	0	0	0	240	0	582	0	0	0	0	0	0
5	0	0	0	291	0	462	0	0	0	0	0	0
6	0	0	0	364	0	431	0	0	0	0	0	0
7	0	0	0	407	0	409	0	0	0	0	0	0
8	0	0	69	534	0	406	0	0	0	0	0	0
9	0	0	0	347	0	0	0	0	0	0	0	0
10	0	0	59	400	0	0	0	0	0	0	0	0
11	0	0	0	429	0	0	0	0	0	0	0	0
12	0	0	0	408	0	0	0	0	0	0	0	0
13	0	0	0	407	0	0	0	0	0	0	0	0
14	0	0	0	424	0	0	0	0	0	0	0	0
15	0	0	0	112	0	0	0	0	0	0	0	0
16	0	0	0	142	0	0	0	0	0	0	0	0
17	0	0	21	141	0	0	0	0	0	0	0	0
18	0	0	136	142	0	0	0	0	0	0	0	0
19	0	0	101	136	0	0	0	0	0	0	0	0
20	0	0	71	137	0	0	0	0	0	0	0	0
21	0	0	258	126	0	0	0	0	0	0	0	0
22	0	0	307	108	0	0	0	0	0	0	0	0
23	0	0	317	94	0	0	0	0	0	0	0	0
24	0	0	288	109	0	0	0	0	0	0	0	0
25	0	0	224	124	0	0	0	0	0	0	0	0
26	0	0	265	153	0	0	0	0	0	0	0	0
27	0	0	257	139	0	0	0	0	0	0	0	0
28	0	0	278	132	0	0	0	0	0	0	0	0
29	0	0	238	132	0	0	0	0	0	0	0	0
30	0	0	164	137	0	0	0	0	0	0	0	0
31	0	0	438	-	0	-	0	0	-	0	-	0
TOTAL	0	0	3,491	7,270	137	2,772	0	0	0	0	0	0
MAXIMUM DAY	0	0	438	534	137	582	0	0	0	0	0	0
MINIMUM DAY	0	0	0	94	0	0	0	0	0	0	0	0
MEAN	0	0	113	242	4	92	0	0	0	0	0	0
TOTAL AC. FT.	0	0	6,924	14,420	272	5,498	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	13,670	MAXIMUM,	582	MINIMUM,	0	MEAN,	37	TOTAL AC. FT.,	27,114		

City of Bakersfield Diverted for 2800
Acre Banking (Friant-Kern Supply)

Year: 1986

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	575	0	0	0	0	0	0	0	0	0
2	0	0	571	0	0	0	0	0	0	0	0	0
3	0	0	604	0	0	0	0	0	0	0	0	0
4	0	0	563	0	0	0	0	0	0	0	0	0
5	0	0	536	0	0	0	0	0	0	0	0	0
6	0	0	521	0	0	0	0	0	0	0	0	0
7	0	0	534	0	0	0	0	0	0	0	0	0
8	0	0	587	0	0	0	0	0	0	0	0	0
9	0	0	722	0	0	0	0	0	0	0	0	0
10	0	0	630	0	0	0	0	0	0	0	0	0
11	0	0	421	0	0	0	0	0	0	0	0	0
12	0	0	367	0	0	0	0	0	0	0	0	0
13	0	0	403	0	0	0	0	0	0	0	0	0
14	0	0	160	0	0	0	0	0	0	0	0	0
15	0	0	280	0	0	0	0	0	0	0	0	0
16	0	0	305	0	0	0	0	0	0	0	0	0
17	0	0	375	0	0	0	0	0	0	0	0	0
18	0	205	296	0	0	0	0	0	0	0	0	0
19	0	798	248	0	0	0	0	0	0	0	0	0
20	0	1,021	258	0	0	0	0	0	0	0	0	0
21	0	1,286	17	0	0	0	0	0	0	0	0	0
22	0	1,125	33	0	0	0	0	0	0	0	0	0
23	0	1,133	13	0	0	0	0	0	0	0	0	0
24	0	912	95	0	0	0	0	0	0	0	0	0
25	0	818	0	0	0	0	0	0	0	0	0	0
26	0	780	24	0	0	0	0	0	0	0	0	0
27	0	685	0	0	0	0	0	0	0	0	0	0
28	0	638	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	91	-	0	-	0	0	-	0	-	0
TOTAL	0	9,402	9,147	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	1,286	722	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	336	295	0	0	0	0	0	0	0	0	0
TOTAL AC.FT.	0	18,649	18,143	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	18,549	MAXIMUM,	1,286	MINIMUM,	0	MEAN,	51	TOTAL AC.FT.,	36,792		

CITY OF BAKERSFIELD
 RECAPITULATION OF WATER SPREADING BY SOURCE
 2,800 ACRE RECHARGE FACILITY

Quantities in acre-feet

Calendar Year	BANKING				OVERDRAFT CORRECTION				Grand Total	
	Kern River	Friant-Kern	State Water Project	Other	Totals	Kern River	Friant-Kern	State Water Project		Other
1977	0	0	0	0	0	0	0	0	0	0
1978	134,971	0	0	0	134,971	0	0	0	0	134,971
1979	4,505	9,913	0	0	14,418	6,089	888	52,099	0	59,076
1980	113,379	0	8,029	0	121,408	0	0	0	0	121,408
1981	2,603	0	49,377	0	51,980	0	0	7,141	0	59,121
1982	50,242	18,057	8,345	0	76,644	2,649	6,835	12,748	0	98,876
1983	110,970	2,239	171	0	113,380	0	0	0	0	113,380
1984	14,449	1,609	0	0	16,058	0	0	0	0	16,058
1985	331	71	15,055	0	15,457	0	0	0	0	15,457
1986	93,311	36,792	22,766	262	153,131	0	0	0	0	153,131
TOTALS	524,761	68,681	103,743	262	697,447	8,738	7,723	71,988	0	88,449

CITY OF BAKERSFIELD
 RECAPITULATION OF WATER SPREADING BY ENTITY
 2,800 ACRE RECHARGE FACILITY
 (Does not reflect water extracted or sold)

Quantities in acre-feet

BANKING ENTITIES

Calendar Year	City of Bakersfield	Hacienda/Olcese		Buena Vista		K. C. M. A.	Total Banking	Overdraft Correction	Grand Total
		W. D.		W. S. D.					
1977	0	0	0	0	0	0	0	0	0
1978	104,587	24,328	6,056	0	0	134,971	0	0	134,971
1979	4,505	0	9,913	0	0	14,418	59,076	0	73,494
1980	68,804	52,604	0	0	0	121,408	0	0	121,408
1981	2,603	4,465	0	0	44,912	51,980	7,141	0	59,121
1982	37,913	14,266	24,465	0	0	76,644	22,232	0	98,876
1983	113,380	0	0	0	0	113,380	0	0	113,380
1984	16,058	0	0	0	0	16,058	0	0	16,058
1985	402	0	0	0	15,055	15,457	0	0	15,457
1986	64,168	56,197	10,000	0	22,766	153,131	0	0	153,131
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TOTALS (to Date)	412,420	151,860	50,434	82,733	697,447	88,449	785,896		

CITY OF BAKERSFIELD
 RECAPITULATION OF BANKING, EXTRACTION AND STORAGE
 2,800 ACRE RECHARGE FACILITY

UNIT: CITY OF BAKERSFIELD
 =====

Quantities in acre-feet

Calendar Year	BANKING			EXTRACTION OR SALE			GROUNDWATER STORAGE (End of Year)			
	Kern	F-Kern	S.W.P.	Other	Total	Kern	F-Kern	S.W.P.	Other	Total
1977	0	0	0	0	0	0	0	0	0	0
1978	104,587	0	0	0	104,587	0	0	0	0	104,587
1979	4,505	0	0	0	4,505	0	0	0	0	109,092
1980	68,804	0	0	0	68,804	13,772	0	0	0	164,124
1981	2,603	0	0	0	2,603	100,837	0	0	0	65,890
1982	35,377	2,536	0	0	37,913	0	0	0	0	101,267
1983	110,970	2,239	171	0	113,380	0	0	0	0	212,237
1984	14,449	1,609	0	0	16,058	472	0	0	0	226,214
1985	331	71	0	0	402	1,615	0	0	0	224,930
1986	27,114	36,792	0	262	64,168	0	0	0	0	252,044
TOTALS	368,740	43,247	171	262	412,420	116,696	0	0	0	116,696

(to Date)

CITY OF BAKERSFIELD
 RECAPITULATION OF BANKING, EXTRACTION AND STORAGE
 2,800 ACRE RECHARGE FACILITY

UNIT: HACIENDA/DLCESE WD
 =====

Quantities in acre-feet

Calendar Year	BANKING				EXTRACTION OR SALE				GROUNDWATER STORAGE (End of Year)						
	Kern	F-Kern	S.M.P.	Other	Total	Kern	F-Kern	S.M.P.	Other	Total	Kern	F-Kern	S.M.P.	Other	Total
1977	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1978	24,328	0	0	0	24,328	0	0	0	0	0	24,328	0	0	0	24,328
1979	0	0	0	0	0	0	0	0	0	0	24,328	0	0	0	24,328
1980	44,575	0	8,029	0	52,604	0	0	0	0	0	68,903	0	8,029	0	76,932
1981	0	0	4,465	0	4,465	0	0	0	0	0	68,903	0	12,494	0	81,397
1982	9,432	0	4,834	0	14,266	0	0	0	0	0	78,335	0	17,328	0	95,663
1983	0	0	0	0	0	0	0	0	0	0	78,335	0	17,328	0	95,663
1984	0	0	0	0	0	0	0	0	0	0	78,335	0	17,328	0	95,663
1985	0	0	0	0	0	0	0	0	0	0	78,335	0	17,328	0	95,663
1986	56,197	0	0	0	56,197	0	0	0	0	0	134,532	0	17,328	0	151,860
TOTALS	134,532	0	17,328	0	151,860	0	0	0	0	0	134,532	0	17,328	0	151,860

(to Date)

CITY OF BAKERSFIELD
 RECAPITULATION OF BANKING, EXTRACTION AND STORAGE
 2,800 ACRE RECHARGE FACILITY

UNIT: BUENA VISTA WATER STORAGE DISTRICT
 =====

Quantities in acre-feet

Calendar Year	BANKING			EXTRACTION OR SALE			GROUNDWATER STORAGE (End of Year)			
	Kern	F-Kern	S.W.P.	Other	Total	Kern	F-Kern	S.W.P.	Other	Total
1977	0	0	0	0	0	0	0	0	0	0
1978	6,056	0	0	0	6,056	6,056	0	0	0	6,056
1979	0	9,913	0	0	9,913	6,056	9,913	0	0	15,969
1980	0	0	0	0	0	6,056	9,913	0	0	15,969
1981	0	0	0	0	0	6,056	9,913	0	0	15,969
1982	5,433	15,521	3,511	0	24,465	11,489	25,434	3,511	0	40,434
1983	0	0	0	0	0	11,489	25,434	3,511	0	40,434
1984	0	0	0	0	0	11,489	25,434	3,511	0	40,434
1985	0	0	0	0	0	11,489	25,434	3,511	0	40,434
1986	10,000	0	0	0	10,000	21,489	25,434	3,511	0	50,434

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TOTALS	21,489	25,434	3,511	0	50,434	0	0	0	0	0
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(to Date)

CITY OF BAKERSFIELD
 RECAPITULATION OF BANKING, EXTRACTION AND STORAGE
 2,800 ACRE RECHARGE FACILITY

UNIT: KERN COUNTY WATER AGENCY
 =====

Quantities in acre-feet

Calendar Year	BANKING			EXTRACTION OR SALE			GROUNDWATER STORAGE (End of Year)			
	Kern	F-Kern	S.W.P.	Other	Total	Kern	F-Kern	S.W.P.	Other	Total
1977	0	0	0	0	0	0	0	0	0	0
1978	0	0	0	0	0	0	0	0	0	0
1979	0	0	0	0	0	0	0	0	0	0
1980	0	0	0	0	0	0	0	0	0	0
1981	0	0	44,912	0	44,912	0	0	44,912	0	44,912
1982	0	0	0	0	0	0	0	44,912	0	44,912
1983	0	0	0	0	0	0	0	44,912	0	44,912
1984	0	0	0	0	0	0	0	44,912	0	44,912
1985	0	0	15,055	0	15,055	0	0	59,967	0	59,967
1986	0	0	22,766	0	22,766	0	0	82,733	0	82,733

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TOTALS	0	0	82,733	0	82,733	0	0	0	0	0
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(to Date)

City of Bakersfield Kern River Spreading
via Rosedale Ranch Improvement District

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1986

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	11	26	12	0	0	0	0	0	0
2	0	0	0	31	24	7	0	0	0	0	0	0
3	0	0	0	16	18	6	0	0	0	0	0	0
4	0	0	0	26	17	10	0	0	0	0	0	0
5	0	0	0	29	18	10	0	0	0	0	0	0
6	0	0	0	25	21	9	0	0	0	0	0	0
7	0	0	0	17	21	5	0	0	0	0	0	0
8	0	0	0	14	27	7	0	0	0	0	0	0
9	0	0	0	20	18	5	0	0	0	0	0	0
10	0	0	0	24	21	5	0	0	0	0	0	0
11	0	0	0	18	24	0	0	0	0	0	0	0
12	0	0	0	19	19	0	0	0	0	0	0	0
13	0	0	0	22	17	0	0	0	0	0	0	0
14	0	0	0	23	20	0	0	0	0	0	0	0
15	0	0	0	30	18	0	0	0	0	0	0	0
16	0	0	0	28	15	0	0	0	0	0	0	0
17	0	0	2	20	14	0	0	0	0	0	0	0
18	0	0	7	14	11	0	0	0	0	0	0	0
19	0	0	6	19	22	0	0	0	0	0	0	0
20	0	0	21	22	14	0	0	0	0	0	0	0
21	0	0	21	28	12	0	0	0	0	0	0	0
22	0	0	24	19	16	0	0	0	0	0	0	0
23	0	0	24	25	15	0	0	0	0	0	0	0
24	0	0	24	19	11	0	0	0	0	0	0	0
25	0	0	30	17	13	0	0	0	0	0	0	0
26	0	0	28	27	11	0	0	0	0	0	0	0
27	0	0	16	19	12	0	0	0	0	0	0	0
28	0	0	20	19	7	0	0	0	0	0	0	0
29	0	-	31	15	12	0	0	0	0	0	0	0
30	0	-	26	21	8	0	0	0	0	0	0	0
31	0	-	11	-	6	-	0	0	-	0	-	0
TOTAL	0	0	291	637	508	76	0	0	0	0	0	0
MAXIMUM DAY	0	0	31	31	27	12	0	0	0	0	0	0
MINIMUM DAY	0	0	0	11	6	0	0	0	0	0	0	0
MEAN	0	0	9	21	16	3	0	0	0	0	0	0
TOTAL AC.FT.	0	0	577	1,263	1,008	151	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	1,512	MAXIMUM,	31	MINIMUM,	0	MEAN,	4	TOTAL AC.FT.,	2,999		

Total Flow via the Rosedale Channel at Head (All Sources)
(Diverted from Kern River Channel) Year: 1986

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	15	196	223	261	216	9	10	0	86	213	76
2	0	9	195	219	263	237	11	13	0	195	178	78
3	0	0	198	223	261	288	10	13	0	197	161	79
4	0	0	201	238	256	286	12	10	0	202	158	59
5	4	0	200	251	242	251	10	11	0	202	151	73
6	114	0	197	238	244	239	11	13	0	196	152	62
7	132	0	206	237	244	244	11	9	0	192	155	46
8	103	0	203	229	235	236	12	12	0	183	157	18
9	91	0	198	238	224	238	14	13	0	193	156	76
10	64	0	197	237	221	235	0	11	0	187	153	62
11	44	0	200	240	222	237	0	0	0	178	153	16
12	28	0	184	240	221	246	11	11	0	176	123	9
13	34	47	187	239	223	238	11	12	0	178	80	0
14	107	151	201	234	207	254	0	0	0	196	69	0
15	104	147	200	250	206	254	0	0	0	199	72	0
16	105	128	198	275	225	243	0	0	0	195	76	0
17	98	151	196	280	237	242	0	0	0	207	75	22
18	97	201	204	276	229	211	0	0	0	210	81	28
19	99	203	198	263	198	209	0	0	0	215	76	0
20	80	200	226	262	205	213	0	0	0	210	73	0
21	48	197	228	261	216	201	0	0	0	193	64	0
22	48	199	226	231	204	205	0	0	0	207	53	0
23	71	196	226	230	209	123	0	0	0	207	63	0
24	44	200	222	279	213	13	0	0	0	207	76	0
25	51	197	225	266	219	8	8	0	0	211	80	0
26	35	198	225	266	222	13	12	0	0	216	75	0
27	0	200	224	253	220	12	9	0	0	220	76	0
28	0	201	224	222	221	7	0	0	0	212	80	0
29	0	-	226	222	221	12	11	0	0	207	76	0
30	0	-	225	251	221	8	12	0	35	209	76	0
31	7	-	222	-	216	-	13	0	-	208	-	0
TOTAL	1,608	2,840	6,485	7,373	7,006	5,419	187	138	35	5,094	3,231	704
MAXIMUM DAY	132	203	228	280	263	288	14	13	35	220	213	79
MINIMUM DAY	0	0	184	219	198	7	0	0	0	86	53	0
MEAN	52	101	209	246	226	181	6	4	1	197	108	23
TOTAL AC. FT.	3,190	5,633	12,863	14,624	13,896	10,748	371	274	69	12,088	6,409	1,396
WHOLE YEAR:-	TOTAL,	41,120	MAXIMUM,	288	MINIMUM,	0	MEAN,	113	TOTAL AC. FT.,	81,561		

Kern River Delivered to Rosedale Rio Bravo WSD via
RRWMSD T.O. #1 of the Cross Valley Canal

Year: 1986

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	25	25	25	0	0	0	0	0	0
2	0	0	0	25	25	25	0	0	0	0	0	0
3	0	0	0	25	25	25	0	0	0	0	0	0
4	0	0	0	25	25	25	0	0	0	0	0	0
5	0	0	0	25	25	25	0	0	0	0	0	0
6	0	0	0	25	25	25	0	0	0	0	0	0
7	0	0	0	25	25	25	0	0	0	0	0	0
8	0	0	0	25	25	25	0	0	0	0	0	0
9	0	0	0	25	25	25	0	0	0	0	0	0
10	0	0	0	25	25	25	0	0	0	0	0	0
11	0	0	0	25	25	25	0	0	0	0	0	0
12	0	0	0	25	25	25	0	0	0	0	0	0
13	0	0	0	25	25	13	0	0	0	0	0	0
14	0	0	0	25	25	0	0	0	0	0	0	0
15	0	0	0	25	25	0	0	0	0	0	0	0
16	0	0	0	25	25	0	0	0	0	0	0	0
17	0	0	0	25	25	0	0	0	0	0	0	0
18	0	0	0	25	25	0	0	0	0	0	0	0
19	0	0	0	25	25	0	0	0	0	0	0	0
20	0	0	0	25	25	0	0	0	0	0	0	0
21	0	0	0	25	25	0	0	0	0	0	0	0
22	0	0	0	25	25	0	0	0	0	0	0	0
23	0	0	0	25	25	0	0	0	0	0	0	0
24	0	0	0	25	25	0	0	0	0	0	0	0
25	0	0	0	25	25	0	0	0	0	0	0	0
26	0	0	0	25	25	0	0	0	0	0	0	0
27	0	0	0	25	25	0	0	0	0	0	0	0
28	0	0	0	25	25	0	0	0	0	0	0	0
29	0	-	0	25	25	0	0	0	0	0	0	0
30	0	-	0	25	25	0	0	0	0	0	0	0
31	0	-	14	-	25	-	0	0	-	0	-	0
TOTAL	0	0	14	750	775	313	0	0	0	0	0	0
MAXIMUM DAY	0	0	14	25	25	25	0	0	0	0	0	0
MINIMUM DAY	0	0	0	25	25	0	0	0	0	0	0	0
MEAN	0	0	0	25	25	10	0	0	0	0	0	0
TOTAL AC.FT.	0	0	27	1,488	1,537	621	0	0	0	0	0	0
WHOLE YEAR--	TOTAL,	1,852	MAXIMUM,	25	MINIMUM,	0	MEAN,	5	TOTAL AC.FT.,	3,673		

City of Bakersfield / I.D. #4 / Rosedale RBMSD
 Kern River Exchange Water Delivered via CVC RRB #1
 Year: 1986

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	17
3	0	0	0	0	0	0	0	0	0	0	0	30
4	0	0	0	0	0	0	0	0	0	0	0	30
5	0	0	0	0	0	0	0	0	0	0	0	30
6	0	0	0	0	0	0	0	0	0	0	0	30
7	0	0	0	0	0	0	0	0	0	0	0	30
8	0	0	0	0	0	0	0	0	0	0	0	12
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	17
11	0	0	0	0	0	0	0	0	0	0	0	32
12	0	0	0	0	0	0	0	0	0	0	0	32
13	0	0	0	0	0	0	0	0	0	0	0	30
14	0	0	0	0	0	0	0	0	0	0	0	30
15	0	0	0	0	0	0	0	0	0	0	0	30
16	0	0	0	0	0	0	0	0	0	0	0	30
17	0	0	0	0	0	0	0	0	0	0	0	33
18	0	0	0	0	0	0	0	0	0	0	0	35
19	0	0	0	0	0	0	0	0	0	0	0	30
20	0	0	0	0	0	0	0	0	0	0	0	30
21	0	0	0	0	0	0	0	0	0	0	0	30
22	0	0	0	0	0	0	0	0	0	0	0	30
23	0	0	0	0	0	0	0	0	0	0	0	30
24	0	0	0	0	0	0	0	0	0	0	0	30
25	0	0	0	0	0	0	0	0	0	0	0	30
26	0	0	0	0	0	0	0	0	0	0	0	30
27	0	0	0	0	0	0	0	0	0	0	0	30
28	0	0	0	0	0	0	0	0	0	0	0	30
29	0	0	0	0	0	0	0	0	0	0	0	30
30	0	0	0	0	0	0	0	0	0	0	0	30
31	0	0	0	0	0	0	0	0	0	0	0	11
TOTAL	0	0	0	0	0	0	0	0	0	0	0	819
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	35
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	26
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	1,625
WHOLE YEAR:-	TOTAL,	819	MAXIMUM,	35	MINIMUM,	0	MEAN,	2	TOTAL AC.FT.,	1,625		

Year: 1986

City of Bakersfield / I.D. #4 / Rosedale RBMSD
Kern River Exchange Water Delivered via CVC RR6 #2

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	70
2	0	0	0	0	0	0	0	0	0	0	0	64
3	0	0	0	0	0	0	0	0	0	0	106	74
4	0	0	0	0	0	0	0	0	0	0	60	74
5	0	0	0	0	0	0	0	0	0	0	0	31
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	6	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	8	0
12	0	0	0	0	0	0	0	0	0	0	11	0
13	0	0	0	0	0	0	0	0	0	0	44	0
14	0	0	0	0	0	0	0	0	0	0	75	0
15	0	0	0	0	0	0	0	0	0	0	75	0
16	0	0	0	0	0	0	0	0	0	0	75	0
17	0	0	0	0	0	0	0	0	0	0	75	0
18	0	0	0	0	0	0	0	0	0	0	75	0
19	0	0	0	0	0	0	0	0	0	0	75	0
20	0	0	0	0	0	0	0	0	0	0	75	0
21	0	0	0	0	0	0	0	0	0	0	75	0
22	0	0	0	0	0	0	0	0	0	0	75	0
23	0	0	0	0	0	0	0	0	0	0	75	0
24	0	0	0	0	0	0	0	0	0	0	75	0
25	0	0	0	0	0	0	0	0	0	0	75	0
26	0	0	0	0	0	0	0	0	0	0	75	0
27	0	0	0	0	0	0	0	0	0	0	75	0
28	0	0	0	0	0	0	0	0	0	0	75	0
29	0	0	0	0	0	0	0	0	0	0	75	0
30	0	0	0	0	0	0	0	0	0	0	75	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	1,510	313
MAXIMUM DAY	0	0	0	0	0	0	0	0	0	0	106	74
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	50	10
TOTAL AC.FT.	0	0	0	0	0	0	0	0	0	0	2,994	621
WHOLE YEAR:--	TOTAL,	1,823	MAXIMUM,	106	MINIMUM,	0	MEAN,	5	TOTAL AC.FT.,	3,615		

Year: 1986

City of Bakersfield Deliveries to Tenneco Farming
via the Rosedale Channel

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	4	0	2	4	0	0	0	0
2	0	0	0	0	4	3	4	6	0	0	0	0
3	0	0	0	0	4	3	4	6	0	0	0	0
4	0	0	0	8	0	5	5	4	0	0	0	0
5	0	0	0	8	6	3	3	4	0	0	0	0
6	0	0	0	9	3	2	5	6	0	0	0	0
7	0	0	0	0	6	5	4	3	0	0	0	0
8	0	0	0	0	5	3	5	5	0	0	0	0
9	0	0	0	0	5	4	8	6	0	0	0	0
10	0	0	0	0	4	3	0	5	0	0	0	0
11	0	0	0	0	1	2	3	0	0	0	0	0
12	0	0	0	0	0	4	4	4	0	0	0	0
13	0	0	0	0	0	0	4	5	0	0	0	0
14	0	0	0	0	0	0	4	0	0	0	0	0
15	0	0	0	0	0	0	1	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	3	3	0	0	0	0	0	0
21	0	0	0	8	4	0	0	0	0	0	0	0
22	0	0	0	6	2	0	6	0	0	0	0	0
23	0	0	0	6	3	6	4	0	0	0	0	0
24	0	0	0	6	6	7	0	0	0	0	0	0
25	0	0	0	7	3	1	2	0	0	0	0	0
26	0	0	0	0	5	6	5	0	0	0	0	0
27	0	0	0	0	6	6	2	0	0	0	0	0
28	0	0	0	0	5	0	0	0	0	0	0	0
29	0	-	-	4	6	5	5	0	0	0	0	0
30	0	-	-	2	6	2	5	0	0	0	0	0
31	0	-	-	-	2	-	6	0	-	0	-	0
TOTAL	0	0	0	64	92	75	91	58	0	0	0	0
MAXIMUM DAY	0	0	0	9	6	7	8	6	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	2	3	3	3	2	0	0	0	0
TOTAL AC. FT.	0	0	0	127	182	148	180	115	0	0	0	0
WHOLE YEAR:-	TOTAL,	380	MAXIMUM,	9	MINIMUM,	0	MEAN,	1	TOTAL AC. FT.,	752		

Year: 1966

City of Bakersfield Diverted to Rosedale Rio Bravo MSD
(Basic Contract)

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	167	0	115	74	0	0	0	0	0	0
2	0	0	167	0	117	92	0	0	0	0	0	0
3	0	0	167	0	116	167	0	0	0	0	0	0
4	0	0	167	0	114	167	0	0	0	0	0	0
5	0	0	167	0	94	167	0	0	0	0	0	0
6	0	0	167	0	99	167	0	0	0	0	0	0
7	0	0	167	0	96	167	0	0	0	0	0	0
8	0	0	167	0	88	167	0	0	0	0	0	0
9	0	0	167	0	77	92	0	0	0	0	0	0
10	0	0	167	0	75	90	0	0	0	0	0	0
11	0	0	167	0	79	93	0	0	0	0	0	0
12	0	0	167	0	79	100	0	0	0	0	0	0
13	0	0	167	0	81	83	0	0	0	0	0	0
14	0	0	167	0	65	87	0	0	0	0	0	0
15	0	0	167	0	64	87	0	0	0	0	0	0
16	0	0	167	0	83	76	0	0	0	0	0	0
17	0	92	167	0	95	75	0	0	0	0	0	0
18	0	87	167	0	87	44	0	0	0	0	0	0
19	0	105	167	0	56	42	0	0	0	0	0	0
20	0	145	126	0	60	49	0	0	0	0	0	0
21	0	145	0	0	70	159	0	0	0	0	0	0
22	0	167	0	0	60	167	0	0	0	0	0	0
23	0	167	0	0	64	117	0	0	0	0	0	0
24	0	167	0	0	65	0	0	0	0	0	0	0
25	0	167	0	0	74	0	0	0	0	0	0	0
26	0	167	0	0	75	0	0	0	0	0	0	0
27	0	167	0	0	72	0	0	0	0	0	0	0
28	0	167	0	0	74	0	0	0	0	0	0	0
29	0	-	0	0	73	0	0	0	0	0	0	0
30	0	-	0	0	73	0	0	0	0	0	0	0
31	0	-	0	-	72	-	0	0	-	0	-	0
TOTAL	0	1,743	3,299	0	2,512	2,529	0	0	0	0	0	0
MAXIMUM DAY	0	167	167	0	117	167	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	56	0	0	0	0	0	0	0
MEAN	0	62	106	0	81	84	0	0	0	0	0	0
TOTAL AC. FT.	0	3,457	6,543	0	4,983	5,017	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	10,083	MAXIMUM,	167	MINIMUM,	0	MEAN,	28	TOTAL AC. FT.,	20,000		

City of Bakersfield Diverted to Rosedale Rio Bravo WSD
(Miscellaneous)

Year: 1986

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	15	0	167	167	167	0	0	0	86	177	146
2	0	9	0	167	167	167	0	0	0	195	153	159
3	0	0	0	167	167	0	0	0	0	197	257	183
4	0	0	0	167	167	0	0	0	0	202	218	163
5	4	0	0	167	167	0	0	0	0	202	151	134
6	114	0	0	167	167	0	0	0	0	196	152	92
7	132	0	0	167	167	0	0	0	0	192	161	76
8	103	0	0	167	167	0	0	0	0	183	157	30
9	91	0	0	167	167	167	0	0	0	193	156	76
10	64	0	0	167	167	167	0	0	0	174	153	79
11	44	0	0	167	167	167	0	0	0	163	161	48
12	28	0	0	167	167	167	0	0	0	154	134	41
13	34	47	0	167	167	167	0	0	0	154	124	30
14	107	151	0	167	167	167	0	0	0	172	144	30
15	104	147	0	167	167	167	0	0	0	174	147	30
16	105	128	0	167	167	167	0	0	0	170	151	30
17	98	0	0	167	167	167	0	0	0	173	150	55
18	97	0	0	167	167	167	0	0	0	174	156	63
19	99	0	0	167	167	167	0	0	0	179	151	30
20	80	0	41	167	167	161	0	0	0	174	148	30
21	48	0	167	167	167	42	0	0	0	157	139	30
22	48	0	167	167	167	38	0	0	0	171	128	30
23	71	0	167	167	167	0	0	0	0	171	138	30
24	44	0	167	167	167	0	0	0	0	171	151	30
25	51	0	167	167	167	0	0	0	0	175	155	30
26	35	0	167	167	167	0	0	0	0	180	150	30
27	0	0	167	167	167	0	0	0	0	184	151	30
28	0	0	167	167	167	0	0	0	0	176	155	30
29	0	-	167	167	167	0	0	0	0	171	151	30
30	0	-	167	167	167	0	0	0	35	173	151	30
31	7	-	167	-	167	-	0	0	-	172	-	11
TOTAL	1,608	497	1,878	5,010	5,177	2,412	0	0	35	5,408	4,670	1,836
MAXIMUM DAY	132	151	167	167	167	167	0	0	35	202	257	183
MINIMUM DAY	0	0	0	167	167	0	0	0	0	86	124	11
MEAN	52	18	61	167	167	80	0	0	1	174	156	59
TOTAL AC.FT.	3,190	986	3,725	9,937	10,268	4,784	0	0	69	10,727	9,262	3,642
WHOLE YEAR:-	TOTAL, 28,531	MAXIMUM, 257	MINIMUM, 0	MEAN, 78	TOTAL AC.FT., 56,590							

Buena Vista WSD Diverted to Rosedale Rio Bravo WSD
 (Per terms of BVMWD/RBMWD letter agreement dated April 15, 1986) Year: 1986

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	80	0	0	0	0	0	0	0	0
10	0	0	0	95	0	0	0	0	0	0	0	0
11	0	0	0	98	0	0	0	0	0	0	0	0
12	0	0	0	98	0	0	0	0	0	0	0	0
13	0	0	0	97	0	0	0	0	0	0	0	0
14	0	0	0	92	0	0	0	0	0	0	0	0
15	0	0	0	108	0	0	0	0	0	0	0	0
16	0	0	0	133	0	0	0	0	0	0	0	0
17	0	0	0	138	0	0	0	0	0	0	0	0
18	0	0	0	134	0	0	0	0	0	0	0	0
19	0	0	0	121	0	0	0	0	0	0	0	0
20	0	0	0	120	0	0	0	0	0	0	0	0
21	0	0	0	111	0	0	0	0	0	0	0	0
22	0	0	0	83	0	0	0	0	0	0	0	0
23	0	0	0	82	0	0	0	0	0	0	0	0
24	0	0	0	131	0	0	0	0	0	0	0	0
25	0	0	0	117	0	0	0	0	0	0	0	0
26	0	0	0	124	0	0	0	0	0	0	0	0
27	0	0	0	111	0	0	0	0	0	0	0	0
28	0	0	0	80	0	0	0	0	0	0	0	0
29	0	-	0	76	0	0	0	0	0	0	0	0
30	0	-	0	107	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	0	0	0	2,336	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	138	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	78	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	4,633	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	2,336	MAXIMUM,	138	MINIMUM,	0	MEAN,	6	TOTAL AC. FT.,	4,633		

Quantities in acre-feet

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

Year: 1985

	1	2	3	4	5	6	7	8	9	10
(a)	(b)	(c)	(d)		(e)		(f)	(g)		
Friant-Kern Inflow	Friant-Kern Delivered	River Canal Transportation Charge on Column 2	Total Kern River Delivered	Basic Contract	Miscellaneous	Mandatory Release Delivered	Other			
				No Charge (1st 4000)	acre-feet Sold at \$1.00	acre-feet Sold at \$6.00	acre-feet Sold at \$21.00			
January	0	0	3,190	0	0	3,190	0	0	0	
February	1,172	0	4,443	3,457	0	986	0	0	0	
March	2,622	0	10,268	543	6,000	3,725	0	0	0	
April	1,415	0	14,570	0	0	9,937	0	0	4,633	
May	0	0	15,251	4,000	983	10,268	0	0	0	
June	0	0	11,130	0	5,017	4,784	0	1,329	0	
July	0	0	0	0	0	0	0	0	0	
August	0	0	0	0	0	0	0	0	0	
September	0	0	69	0	0	69	0	0	0	
October	0	0	10,727	0	0	10,727	0	0	0	
November	0	0	9,262	0	0	9,262	0	0	0	
December	0	0	3,642	0	0	3,642	0	0	0	
Total	5,209	0	82,552	8,000	12,000	56,550	0	1,329	4,633	

3,262 = Current Escalator = 3,262
 \$0.00 = Totals = \$39,144.00
 (per 1961 Agreement)

1985
1984
1983
1982

Five Year Totals
Five Year Averages
Current Escalator
Five Year Average Sales
1987 Payment

20,694
20,856
12,292
31,325

141,757
28,351

\$0.00

- (a) As charged RRBMISD by U.S.B.R.
- (b) Column 1 less transportation losses.
- (c) \$0.10 per acre-foot escalated annually (94.7 base index).
- (d) \$1.00 per acre-foot escalated annually (94.7 base index) after the first 4,000 Acft of each successive 10,000 acre-feet delivered.
- (e) Subject to annual escalation per 1976 agreement (188.1 base index).
- (f) Delivered during periods of Kern River Mandatory Release when designated by U.S. Army Corps of Engineers.
- (g) Purchased from Buena Vista Water Storage District.

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 OBLIGATION	KERN RIVER BASIC CONTRACT OBLIGATION	(2)	END of YEAR
				KERN RIVER BASIC CONTRACT DELIVERED			CARRY FORWARD OVER (UNDER)	CONTRACT BALANCE (3) (4) 60,000
1976	0	0	0	0	10,000	10,000	(10,000)	50,000
1977	2,199	0	2,199	2,199	10,000	10,000	(7,801)	42,199
1978	76,365	4,371	71,994	10,000	10,000	10,000	0	42,199
1979	14,568	9,921	4,647	4,647	10,000	10,000	(5,353)	36,846
1980	70,790	4,167	66,623	10,000	10,000	10,000	0	36,846
1981	773	0	773	773	10,000	10,000	(9,227)	27,619
1982	88,374	40,595	47,779	10,000	10,000	10,000	0	27,619
1983	134,534	1,440	133,094	10,000	10,000	10,000	0	27,619
1984	38,854	0	38,854	10,000	10,000	10,000	0	27,619
1985	20,694	0	20,694	0	10,000	10,000	(10,000)	17,619
1986	87,761	5,209	82,552	20,000	10,000	10,000	10,000	27,619

(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

Quantities in acre-feet

Pursuant to June 5, 1976 Agreement No. 76-80

Year: 1986

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
City Entitlement + or - Release	6,108	44,301	51,566	40,784	64,487	40,155	28,082	17,077	1,190	1,230	1,190	2,314	298,484
Lake Ming	16	16	44	60	77	87	127	121	91	65	42	26	772
North Kern Water Storage District	0	0	0	0	0	5,000	5,000	10,000	0	0	0	0	20,000
Cawelo Water District	0	0	2,400	3,000	5,400	2,853	5,400	5,400	0	0	0	0	24,453
Kern-Tulare Water District	0	0	803	2,000	4,000	3,043	4,000	4,000	0	0	0	0	17,846
Rag Gulch Water District	0	0	119	300	600	453	600	600	0	0	0	0	2,672
Rosedale Rio Bravo WSD	0	3,457	6,543	0	4,983	3,030	0	0	0	0	0	0	18,013
First Point Passing Second Point	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale RID Spreading	0	0	577	1,263	1,008	58	0	0	0	0	0	0	2,906
Isabella Reservoir Loss	119	191	532	853	1,182	957	1,194	815	551	371	181	77	7,053
River Transportation Loss	457	685	7,238	7,996	7,352	5,591	6,027	6,039	750	737	389	31	43,492
Total Basic Commitments	592	4,549	18,256	15,472	24,602	21,072	22,348	26,975	1,392	1,173	612	134	137,177

Total City Miscellaneous Water..... | 161,307

Rosedale Rio Bravo WSD 1/3 Share..... | 53,769

Misc. Water Delivered to RRBWSD	3,190	986	3,725	9,937	10,268	4,784	0	0	69	10,727	9,262	3,642	56,590
Del. under Art. 11, Sec. 2.1 (i)(7)	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Misc. Delivered to RRBWSD | 3,190 | 986 | 3,725 | 9,937 | 10,268 | 4,784 | 0 | 0 | 69 | 10,727 | 9,262 | 3,642 | 56,590

Over (Under) City Miscellaneous Water Obligation..... | 2,821

Prior Year Miscellaneous Water Delivery Balance..... | (34,042)

Cumulative Miscellaneous Water Delivery Balance..... | (31,221)

STATUS OF CONTRACT

ROSEDALE RIO BRAVO WATER STORAGE DISTRICT

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

Quantities in acre-feet

Year	(A) TOTAL CITY MISCELLANEOUS WATER	(B) RRBWS 1/3 SHARE OF MISC.	(C) MISC. WATER DELIVERED TO RRBWS (1)	(D) OVER (UNDER) 1/3 SHARE	(E) END of YEAR CUMULATIVE MISC. WATER BALANCE
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)

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: 1986

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	910	10,479	1,666	7,348	10,516	9,265	2,449	202	0	0	0	0	42,835
Release	1,749	(1,532)	2	0	0	(1,687)	0	0	0	77	47	0	(1,344)
ENTITLEMENT + OR - RELEASE	2,659	8,947	1,668	7,348	10,516	7,578	2,449	202	0	77	47	0	41,491
Oilfield Discharge	68	0	0	0	0	0	0	0	0	0	0	66	231
Other	0	0	0	0	0	0	0	0	0	0	0	0	0
Into Isabella Storage	2,341	8,770	1,024	5,226	8,491	3,694	208	12	0	16	44	0	29,826
From Isabella Storage	139	131	1,349	0	0	10	843	1,448	1,125	744	58	6	5,853
To NIKWSO in Isabella Storage	273	0	0	0	0	0	0	0	0	0	0	0	273
DIVERTED AT HEAD	252	308	1,993	2,122	2,025	3,894	3,084	1,638	1,125	805	127	103	17,476
Irrigation Deliveries	166	228	1,325	1,463	1,452	1,986	1,908	1,253	864	605	35	3	11,288
NKWSO at Seventh Standard Ln.	0	0	0	0	0	1,370	735	61	0	0	0	0	2,166
Spreading Deliveries	56	40	264	248	63	36	0	0	0	0	45	81	833
Canal Loss	30	40	404	411	510	502	441	324	261	200	47	19	3,189
DELIVERY PERCENTAGE	66%	74%	66%	69%	72%	86%	86%	80%	77%	75%	28%	3%	77%
Into Isabella Storage	2,341	8,770	1,024	5,226	8,491	3,694	208	12	0	16	44	0	29,826
Isabella Evaporation Loss	65	32	75	155	323	504	605	676	470	325	224	119	3,573
From Isabella Storage	139	131	1,349	0	0	10	843	1,448	1,125	744	58	6	5,853
Transfer in Storage	0	8,061	0	0	0	0	0	0	0	0	0	0	8,061
End of Month Isabella Storage	10,565	11,111	10,711	15,782	23,950	27,130	25,890	23,778	22,183	21,130	20,892	20,767	20,767

SOUTH FORK DIVERSION RIGHT SUMMARY

Quantities in acre-feet

Year: 1986

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River Entitlement	+ 515	601	65	214	301	268	187	115	522	595	567	532	4,582
Release	+ or - (615)	(190)	324	353	344	91	217	165	103	51	58	(532)	369
Entitlement + or - Releases	= 0	411	389	567	645	359	404	280	625	646	625	0	4,951
Into Isabella Storage	- 0	362	210	430	502	167	154	118	518	575	591	0	3,627
From Isabella Storage	+ 0	0	69	0	0	109	145	175	0	0	0	0	498
Other	+ or - 0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries	= 0	49	248	137	143	301	395	337	107	71	34	0	1,822
Old South Fork	0	0	0	0	0	0	0	0	0	0	0	0	0
Panama Ranch	0	49	248	137	143	301	395	337	107	71	34	0	1,822
Into Isabella Storage	0	362	210	430	502	167	154	118	518	575	591	0	3,627
From Isabella Storage	0	0	69	0	0	109	145	175	0	0	0	0	498
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	3,129	0	3,129
End of Month Isabella Storage	600	962	1,103	1,533	2,035	2,093	2,102	2,045	2,563	3,138	600	600	

NORTH KERN WATER STORAGE DISTRICT

Quantities in acre-feet

NORTH KERN WATER STORAGE DISTRICT

Year: 1966

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWS River Entitlement	+ 11,025	28,685	13,332	39,781	43,888	44,938	20,229	4,459	2,747	3,070	1,321	242	213,717
Release	+ 14,691	5,515	1,424	2,835	2,912	3,262	0	2,511	9,048	14,024	16,704	15,069	87,995
ENTITLEMENT + OR - RELEASE	= 25,716	34,200	14,756	42,616	46,800	48,200	20,229	6,970	11,795	17,094	18,025	15,311	301,712
From KRC & Irr. Company	+ 273	0	0	0	0	1,370	735	61	0	0	0	0	2,439
From City of Bakersfield	+ 0	186	0	0	0	5,000	5,000	10,000	0	0	0	0	20,186
From Isabella Reservoir Storage	+ 0	4,532	19,819	0	6,444	5,463	22,564	21,081	9,720	13,402	1,280	349	104,654
To City of Bakersfield	- 0	0	0	0	0	0	0	0	69	4,931	0	0	5,000
Into Isabella Reservoir Storage	- 10,423	22,354	7,356	12,948	11,475	26,898	4,513	9,332	0	1,171	2,689	3,582	112,741
Transfer in Storage	+ or - (9,077)	(7,158)	0	13,777	18,295	18,681	0	(5,654)	(5,651)	(1,487)	(517)	0	(197)
Other													(767)
TOTAL DIVERTED FROM RIVER	= 6,489	8,836	27,219	43,445	60,064	51,816	44,015	23,126	15,795	22,907	16,099	11,881	331,692
Loss to Seventh Standard Line	- 216	72	1,628	2,216	2,980	2,716	2,332	216	162	189	205	676	13,608
Dilfield Discharge	+ 393	531	573	569	634	583	595	634	603	657	607	360	6,739
NKWS Well Production	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Poso Creek Natural Flow	+ 0	1,434	6,514	664	0	0	0	0	0	0	0	0	8,612
Friant-Kern Inflow	+ 0	4,130	7,648	2,626	0	0	0	0	0	0	0	0	14,404
Semi-Tropic MSD	- 0	3,491	8,723	7,416	9,072	6,617	0	0	0	0	0	0	35,319
Other	+ or - (825)	(871)	(871)	0	(310)	0	0	(1,134)	(85)	0	0	0	(3,225)
TOTAL DISTRICT SUPPLY	= 6,666	10,543	30,732	37,672	48,336	43,066	42,278	22,410	16,151	23,375	16,501	11,565	309,295
Class 1 Irrigation Deliveries	+ 400	2,584	7,731	10,234	16,520	17,461	18,562	9,791	9,377	6,773	1,037	333	100,803
Class 2 Irrigation Deliveries	+ 111	1,029	3,814	4,059	5,899	6,072	7,048	3,589	2,459	2,082	717	29	36,908
TOTAL IRRIGATION USE	= 511	3,613	11,545	14,293	22,419	23,533	25,610	13,380	11,836	8,855	1,754	362	137,711
District Spreading Ponds (Kern)	+ 4,831	4,017	12,596	17,822	18,686	13,405	12,112	4,852	1,445	12,233	10,776	9,294	122,069
District Spreading Ponds (Other)	+ 0	494	923	0	0	0	0	0	0	0	0	0	1,417
Poso Creek Spreading (Kern)	+ 25	371	357	3,292	4,304	3,375	2,512	1,808	1,038	1,167	1,698	838	20,785
Poso Creek Spreading (Other)	+ 0	1,462	3,407	725	0	0	0	0	0	0	0	0	5,594
TOTAL DISTRICT SPREADING	= 4,856	6,344	17,283	21,839	22,990	16,780	14,624	6,660	2,483	13,400	12,474	10,132	149,865
TOTAL DISTRICT USE	= 5,367	9,957	28,828	36,132	45,409	40,313	40,234	20,040	14,319	22,255	14,228	10,494	287,576
TOTAL NKWS CANAL LOSS	= 1,299	586	1,904	1,540	2,927	2,753	2,044	2,370	1,832	1,120	2,273	1,071	21,719
Into Reservoir Storage	+ 10,423	22,354	7,356	12,948	11,475	26,898	4,513	9,332	0	1,171	2,689	3,582	112,741
Reservoir Evaporation Loss	+ 514	500	672	1,113	1,758	2,378	2,674	2,711	1,685	1,005	679	373	16,062
From Reservoir Storage	- 0	4,532	19,819	0	6,444	5,463	22,564	21,081	9,720	13,402	1,280	349	104,654
Transfer in Storage	+ 273	(384)	0	0	0	5,000	5,000	10,000	0	0	0	(197)	19,692
End of Month Reservoir Storage	+ 84,361	101,683	88,548	100,383	103,656	122,713	101,988	87,528	76,123	62,887	63,617	66,477	=====

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

Year: 1986

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	196	210	290	521	720	790	817	566	305	352	75	241
2	192	213	350	499	719	831	794	547	392	483	75	192
3	193	217	394	506	715	838	799	529	431	517	86	126
4	206	210	392	528	749	799	748	570	428	512	84	104
5	206	156	401	501	764	809	717	558	384	511	88	0
6	180	132	434	496	760	803	707	575	333	525	91	0
7	0	104	451	514	759	791	762	565	315	505	110	0
8	0	98	387	511	759	800	777	525	345	543	108	0
9	0	97	395	519	772	832	796	487	335	580	108	0
10	0	111	362	570	773	845	821	486	325	543	169	0
11	0	152	330	549	779	831	804	536	333	507	295	0
12	0	147	344	532	779	833	758	569	294	537	290	0
13	0	166	343	524	757	824	765	564	256	552	280	0
14	0	236	351	563	788	794	833	545	262	509	308	0
15	0	272	343	562	783	738	850	512	323	477	300	0
16	0	292	331	577	736	785	848	477	330	440	281	0
17	24	295	327	595	647	789	835	484	343	413	265	0
18	71	216	345	580	656	823	795	520	368	390	259	26
19	76	204	381	564	771	813	699	530	363	407	261	126
20	55	105	390	579	815	734	663	541	312	437	258	120
21	55	89	378	639	813	657	742	520	308	423	263	117
22	55	81	380	687	825	640	763	459	325	350	262	119
23	55	128	414	693	804	699	715	451	359	232	257	164
24	55	204	431	723	769	681	670	429	404	212	258	168
25	55	248	431	699	746	704	643	416	412	189	266	158
26	55	262	445	639	796	766	604	406	393	158	256	165
27	56	271	454	667	826	789	576	421	407	160	259	141
28	75	278	483	727	827	807	624	411	409	156	264	143
29	76	-	496	763	817	812	621	394	443	150	263	121
30	76	-	476	732	823	823	605	353	387	139	266	115
31	129	-	527	-	807	-	595	269	-	134	-	126
TOTAL	2,141	5,194	12,256	17,759	23,854	23,480	22,746	15,215	10,624	12,043	6,405	2,472
MAXIMUM DAY	206	295	527	763	827	845	850	575	443	580	308	241
MINIMUM DAY	0	81	290	496	647	640	576	269	256	134	75	0
MEAN	69	186	395	592	769	783	734	491	354	388	214	80
TOTAL AC. FT.	4,246	10,302	24,309	35,225	47,314	46,572	45,116	30,179	21,072	23,887	12,704	4,902
WHOLE YEAR:-	TOTAL,	154,189	MAXIMUM,	850	MINIMUM,	0	MEAN,	422	TOTAL AC. FT.,	305,828		

Quantities in acre-feet

NORTH KERN WATER STORAGE DISTRICT
BEARDSLEY CANAL DIVERSION SUMMARY

Year: 1986

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Kern River	+ 4,246	10,302	24,309	35,225	47,314	46,572	45,116	30,179	21,072	23,887	12,704	4,902	305,828
Dilfield Discharge	+ 580	870	930	936	1,054	948	978	1,054	1,004	1,085	1,008	548	10,995
C.V.C. Station "A"	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
+ TOTAL BEARDSLEY CANAL SUPPLY	= 4,826	11,172	25,239	36,161	48,368	47,520	46,094	31,233	22,076	24,972	13,712	5,450	316,823
KRC & Irr. Co. # 1 Lateral	+ 56	91	853	864	744	480	414	232	387	212	49	81	4,463
KRC & Irr. Co. # 2 Lateral	+ 0	0	186	116	221	230	169	72	68	78	33	4	1,177
KRC & Irr. Co. # 4 Lateral	+ 0	0	409	483	272	567	516	470	114	63	0	0	2,894
KRC & Irr. Co. # 5 Lateral	+ 0	0	298	227	299	482	567	485	235	79	0	0	2,672
KRC & Irr. Co. Bidart Boosters	+ 166	228	190	396	355	367	290	13	310	258	15	0	2,588
KRC & Irr. Co. via NKMSD 8-1-0	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss	+ 30	40	61	60	61	60	61	61	60	60	30	18	602
- TOTAL KRC & IRR. CO. DIVERTED	= 252	359	1,997	2,146	1,952	2,186	2,017	1,333	1,174	750	127	103	14,396
Kern River Supply	- 184	359	1,997	2,146	1,952	2,186	2,017	1,333	1,174	750	61	6	14,165
Dilfield Discharge Supply	= 68	0	0	0	0	0	0	0	0	0	66	97	231
Cawelo WD via Pump Station "B"	+ 238	1,368	2,584	6,960	10,582	12,125	12,442	10,358	5,534	5,456	1,307	303	69,257
K-TWD via Pump Station "B"	+ 0	0	0	300	244	73	0	0	0	0	0	0	617
Cawelo WD 8-0 Deliveries	+ 22	4	85	272	484	952	800	598	455	78	42	0	3,792
Lined Section Loss: CMD/K-TWD	+ 22	56	61	66	66	62	61	61	60	61	50	14	640
Lerdo Loss: CMD/K-TWD	+ 2	14	27	81	120	139	139	113	63	56	14	3	771
- TOTAL CMD/K-TWD DIVERTED	= 284	1,442	2,757	7,679	11,496	13,351	13,442	11,130	6,112	5,651	1,413	320	75,077
Kern River Supply	- 165	1,103	2,400	7,312	11,076	12,986	13,059	10,710	5,711	5,223	1,078	229	71,052
Dilfield Discharge Supply	- 119	339	357	367	420	365	383	420	401	428	335	91	4,035
C.V.C. Station "A" Supply	= 0	0	0	0	0	0	0	0	0	0	0	0	0
- City via NKMSD 8-1-0 Lateral	- 0	81	4	0	0	0	0	0	0	0	0	0	12
- Rosedale Ranch ID Diverted	- 0	821	1,196	42	81	0	0	0	87	38	0	0	2,265
- Lined Section Loss: NKMSD	+ 73	72	61	54	56	58	61	61	60	62	100	75	793
= NKMSD FROM LERDO CANAL	+ 4,217	8,470	19,224	26,240	34,783	31,925	30,574	18,709	14,643	18,471	12,072	4,952	224,280
Kern River Supply	- 3,897	8,011	18,712	25,725	34,205	31,400	30,040	18,136	14,100	17,876	11,565	4,667	218,334
Dilfield Discharge Supply	- 393	531	573	569	634	583	595	634	603	657	607	360	6,739
C.V.C. Station "A" Supply	= 0	0	0	0	0	0	0	0	0	0	0	0	0

Year: 1986

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	203	210	281	484	691	786	801	571	316	344	90	255
2	199	213	316	453	694	820	783	550	391	476	90	207
3	200	221	358	462	706	812	783	533	426	516	100	140
4	213	214	347	489	738	785	731	566	426	514	98	116
5	214	156	347	469	736	788	691	550	383	515	103	0
6	188	132	373	471	733	782	687	567	334	532	106	0
7	0	105	400	478	726	772	744	549	325	513	125	0
8	0	99	334	476	730	781	759	509	347	549	123	0
9	0	99	345	493	738	801	771	473	321	588	121	0
10	0	115	310	545	736	809	784	480	319	552	180	0
11	0	157	302	527	752	795	777	529	312	513	307	0
12	0	152	317	509	772	799	728	560	288	545	301	0
13	0	174	315	511	749	791	733	552	247	560	292	0
14	0	243	325	542	756	765	790	535	245	512	319	0
15	0	281	325	543	755	710	812	499	308	478	312	0
16	0	304	327	558	707	751	811	483	316	444	293	0
17	21	306	316	590	628	755	805	495	333	418	275	0
18	80	230	329	573	646	790	777	508	359	392	272	23
19	90	217	365	560	747	779	691	520	362	412	274	132
20	65	114	382	572	803	708	660	525	307	438	271	132
21	65	103	374	623	804	629	738	507	309	423	276	127
22	66	96	378	650	819	617	731	448	327	342	275	126
23	63	142	410	661	798	679	689	440	359	227	265	172
24	57	217	423	690	763	670	654	429	398	213	266	176
25	57	260	417	668	742	693	632	404	402	188	274	166
26	56	272	431	620	790	756	589	390	386	158	264	173
27	57	274	443	664	812	775	566	419	405	161	267	150
28	78	282	457	717	807	794	624	403	406	162	278	152
29	78	-	461	753	807	798	621	386	437	162	277	134
30	78	-	450	717	814	806	606	350	384	151	280	129
31	130	-	499	-	800	-	592	283	-	151	-	141
TOTAL	2,258	5,388	11,457	17,068	23,299	22,796	22,160	15,013	10,478	12,149	6,774	2,651
MAXIMUM DAY	214	306	499	753	819	820	812	571	437	588	319	255
MINIMUM DAY	0	96	281	453	628	617	566	283	245	151	90	0
MEAN	73	192	370	569	752	760	715	484	349	392	226	86
TOTAL AC. FT.	4,479	10,685	22,725	33,853	46,213	45,214	43,955	29,778	20,782	24,099	13,435	5,258
WHOLE YEAR:-	TOTAL, 151,491	MAXIMUM, 820	MINIMUM, 0	MEAN, 415	TOTAL AC. FT., 300,476							

NORTH KERN WATER STORAGE DISTRICT
LERDO CANAL DIVERSION SUMMARY

Quantities in acre-feet

Year: 1986

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
Total Beardsley Canal Supply	+ 4,856	11,172	25,239	36,161	48,368	47,520	46,094	31,233	22,076	24,972	13,712	5,450	316,823
+ KRC & Irr. Co. Laterals	56	91	1,746	1,690	1,536	1,759	1,666	1,259	804	432	82	85	11,206
+ KRC & Irr. Co. Boosters	166	228	190	396	355	367	290	13	310	258	15	0	2,588
+ Lined Section Loss: KRC & Irr. Co.	30	40	61	60	61	60	61	61	60	60	30	18	602
= KRC & Irr. Co. from Beardsley	- 252	359	1,997	2,146	1,952	2,186	2,017	1,333	1,174	750	127	103	14,396
Rosedale Ranch ID via 1-1-0	- 0	0	395	42	81	0	0	0	0	0	0	0	518
NKMSD via 1-1-0 Lateral	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Other from Beardsley	- 0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss: Camelo WD	- 22	56	61	60	61	60	61	61	60	61	50	14	627
Lined Section Loss: K-TMD	- 0	0	0	6	5	2	0	0	0	0	0	0	13
Lined Section Loss: NKMSD	- 73	72	61	54	56	58	61	61	60	62	100	75	793
Lerdo Canal Total Flow	= 4,479	10,685	22,725	33,853	46,213	45,214	43,955	29,778	20,782	24,099	13,435	5,258	300,476
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	8	4	0	0	0	0	0	0	0	0	0	12
Rosedale Ranch ID via 8-1-0	- 0	821	801	0	0	0	0	0	87	38	0	0	1,747
+ Camelo WD Delivered at Sta. "B"	238	1,368	2,584	6,960	10,582	12,125	12,442	10,358	5,534	5,456	1,307	303	69,257
+ Camelo WD 8-0 Deliveries	22	4	85	272	484	952	800	598	455	78	42	0	3,792
+ Lerdo Loss: to Station "B"	2	14	25	70	106	121	125	103	55	55	13	3	692
+ Lerdo Loss: 8-0 Deliveries	0	0	2	5	9	16	14	10	8	1	1	0	66
= Camelo WD Total from Lerdo	- 262	1,386	2,696	7,307	11,181	13,214	13,381	11,069	6,052	5,590	1,363	306	73,807
+ K-TMD Delivered at Sta. "B"	0	0	0	300	244	73	0	0	0	0	0	0	617
+ Lerdo Loss: to Station "B"	0	0	0	6	5	2	0	0	0	0	0	0	13
= Kern-Tulare WD Total from Lerdo	- 0	0	0	306	249	75	0	0	0	0	0	0	630
North Kern WSD from Lerdo	= 4,217	8,470	19,224	26,240	34,783	31,925	30,574	18,709	14,643	18,471	12,072	4,952	224,280

Year: 1986

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	79	65	28	384	549	669	473	396	223	47	142	229
2	78	54	22	371	552	659	483	372	239	226	145	229
3	80	60	25	373	553	673	470	368	238	257	144	222
4	83	62	27	393	555	604	462	364	231	288	144	220
5	102	58	28	376	552	626	468	320	220	269	147	246
6	113	57	31	366	569	611	481	334	216	272	142	242
7	232	59	30	356	554	607	468	323	230	277	112	245
8	251	49	21	372	562	608	469	317	223	298	108	282
9	252	45	23	388	578	627	470	323	219	274	117	234
10	233	43	69	405	585	627	479	327	215	252	118	207
11	224	48	165	400	591	639	472	282	220	233	185	195
12	246	47	170	371	606	643	473	209	226	245	213	157
13	222	49	193	372	613	584	477	208	201	239	183	142
14	117	40	187	448	612	452	496	208	202	233	182	138
15	118	44	192	495	612	376	501	202	160	258	186	125
16	112	46	189	498	612	376	495	208	174	256	179	148
17	106	50	188	498	608	417	492	208	180	206	207	208
18	55	64	199	523	607	557	493	210	177	203	219	174
19	61	48	216	533	628	590	496	210	174	210	213	125
20	57	42	253	526	651	611	492	210	164	215	212	122
21	47	51	259	550	638	603	501	209	174	212	212	117
22	49	30	249	552	631	597	488	206	171	205	214	126
23	25	32	256	549	635	558	476	186	172	169	219	119
24	25	36	284	554	633	474	464	153	152	162	217	118
25	32	27	325	554	635	427	463	158	162	163	214	121
26	28	24	353	552	629	421	442	226	166	148	213	122
27	27	26	361	547	649	420	416	259	164	140	216	118
28	22	27	366	543	665	420	400	258	169	139	210	115
29	26	-	369	551	678	428	403	248	164	136	210	111
30	38	-	355	553	671	449	419	222	139	141	215	129
31	65	-	354	-	676	-	410	228	-	141	-	132
TOTAL	3,205	1,283	5,787	13,953	18,889	16,353	14,492	7,952	5,765	6,514	5,438	5,218
MAXIMUM DAY	252	65	369	554	678	673	501	396	239	298	219	282
MINIMUM DAY	22	24	21	356	549	376	400	153	139	47	108	111
MEAN	103	46	187	465	609	545	467	257	192	210	181	168
TOTAL AC.FT.	6,357	2,545	11,477	27,675	37,466	32,435	28,744	15,772	11,435	12,920	10,786	10,349
WHOLE YEAR:-	TOTAL,	104,849	MAXIMUM,	678	MINIMUM,	21	MEAN,	287	TOTAL AC.FT.,	207,961		

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

Year: 1986

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	177	273	419	203	156	38	0	27	125
2	0	0	0	187	289	412	195	136	0	112	23	125
3	0	0	0	204	317	425	166	143	0	120	26	114
4	0	0	0	209	331	361	151	86	0	122	25	118
5	0	0	0	225	322	380	145	43	4	109	27	148
6	0	0	0	227	352	368	184	29	10	107	18	149
7	145	0	0	201	334	376	167	43	44	102	4	153
8	167	0	0	188	339	402	169	84	38	118	6	166
9	168	0	0	198	353	380	186	99	34	114	4	168
10	161	0	0	195	359	395	192	111	22	100	6	157
11	140	0	79	195	382	404	188	64	17	114	57	141
12	164	0	96	189	360	387	196	47	11	126	105	112
13	147	0	113	191	366	341	205	37	20	120	102	106
14	50	0	118	242	366	208	202	33	43	119	98	90
15	45	0	145	306	365	180	192	13	9	117	101	86
16	43	0	138	298	375	149	190	67	1	109	93	102
17	31	0	117	296	396	152	213	89	12	73	108	166
18	0	0	116	303	399	289	224	55	17	75	111	142
19	0	0	119	329	356	319	242	43	31	78	98	76
20	0	0	138	327	365	349	249	43	44	84	103	73
21	0	0	146	323	361	342	202	45	45	89	101	71
22	0	0	152	317	386	359	176	67	35	76	101	74
23	0	0	161	309	400	297	182	65	39	41	113	72
24	0	0	162	312	415	207	181	47	37	39	105	77
25	0	0	169	329	430	155	196	43	23	40	102	74
26	0	0	187	346	432	150	187	26	34	35	113	75
27	0	0	200	346	434	156	191	26	43	26	115	70
28	0	0	169	299	433	171	186	34	55	25	111	67
29	0	-	175	285	432	194	190	26	35	25	113	73
30	0	-	193	291	410	226	187	18	19	28	117	76
31	0	-	167	-	431	-	164	48	-	29	-	88
TOTAL	1,261	0	3,060	7,844	11,563	8,953	5,901	1,866	760	2,472	2,233	3,334
MAXIMUM DAY	168	0	200	346	434	425	249	156	55	126	117	168
MINIMUM DAY	0	0	0	177	273	149	145	13	0	0	4	67
MEAN	41	0	99	261	373	298	190	60	25	80	74	108
TOTAL AC. FT.	2,501	0	6,069	15,558	22,935	17,758	11,704	3,701	1,508	4,904	4,429	6,613
WHOLE YEAR:-	TOTAL,	49,247	MAXIMUM,	434	MINIMUM,	0	MEAN,	135	TOTAL AC. FT.,	97,680		

Buena Vista WSD Diverted to Semi-Tropic WSD
 (Per terms of BWMSD/STMSD letter agreement dated April 14, 1986) Year: 1986

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	0	146	173	0	0	0	0	0	0
2	0	0	0	0	146	163	0	0	0	0	0	0
3	0	0	0	0	188	0	0	0	0	0	0	0
4	0	0	0	0	210	0	0	0	0	0	0	0
5	0	0	0	0	170	0	0	0	0	0	0	0
6	0	0	0	0	193	0	0	0	0	0	0	0
7	0	0	0	0	174	0	0	0	0	0	0	0
8	0	0	0	0	144	0	0	0	0	0	0	0
9	0	0	0	0	143	205	0	0	0	0	0	0
10	0	0	0	0	124	134	0	0	0	0	0	0
11	0	0	0	0	124	143	0	0	0	0	0	0
12	0	0	0	0	163	183	0	0	0	0	0	0
13	0	0	0	0	131	183	0	0	0	0	0	0
14	0	0	0	0	131	163	0	0	0	0	0	0
15	0	0	0	72	143	51	0	0	0	0	0	0
16	0	0	0	124	143	0	0	0	0	0	0	0
17	0	0	0	143	183	0	0	0	0	0	0	0
18	0	0	0	143	205	0	0	0	0	0	0	0
19	0	0	0	143	183	194	0	0	0	0	0	0
20	0	0	0	148	163	173	0	0	0	0	0	0
21	0	0	0	124	134	183	0	0	0	0	0	0
22	0	0	0	173	134	173	0	0	0	0	0	0
23	0	0	0	148	134	173	0	0	0	0	0	0
24	0	0	0	158	163	163	0	0	0	0	0	0
25	0	0	0	163	153	0	0	0	0	0	0	0
26	0	0	0	173	124	0	0	0	0	0	0	0
27	0	0	0	194	124	0	0	0	0	0	0	0
28	0	0	0	173	89	0	0	0	0	0	0	0
29	0	-	0	183	79	0	0	0	0	0	0	0
30	0	-	0	184	115	0	0	0	0	0	0	0
31	0	-	0	-	118	-	0	0	-	0	-	0
TOTAL	0	0	0	2,446	4,574	2,457	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	194	210	205	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	79	0	0	0	0	0	0	0
MEAN	0	0	0	82	148	82	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	4,851	9,072	4,873	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	9,477	MAXIMUM,	210	MINIMUM,	0	MEAN,	26	TOTAL AC. FT.,	18,796		

NORTH KERN WATER STORAGE DISTRICT
CALLOWAY CANAL DIVERSION SUMMARY

Quantities in acre-feet

Year: 1986

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
FLOW AT HEADWORKS	6,357	2,545	11,477	27,675	37,466	32,435	28,744	15,772	11,435	12,920	10,786	10,349	207,961
KCMA Aranco Turnout	1,422	1,266	1,806	5,157	6,551	6,484	7,275	3,221	4,445	4,702	3,979	1,884	48,192
Seepage Loss	123	111	123	119	123	119	123	123	119	123	119	123	1,448
FLOW AT MEASURING STATION	4,812	1,168	9,548	22,399	30,792	25,832	21,346	12,428	6,871	8,095	6,688	8,342	156,321
CVC Inflow to Calloway	0	0	0	0	0	0	0	0	0	0	0	0	0
Bartell Spreading	0	0	0	0	0	0	0	867	1,071	908	639	446	3,931
Friant-Kern Inflow	0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. Calloway Del.	0	0	0	0	0	0	0	0	0	0	0	0	0
KRC & Irr. Co. 1-1-0 Inflow	0	0	847	425	406	111	113	16	141	51	4	22	2,136
Seepage Loss	2,109	1,168	1,567	1,936	2,686	2,450	2,067	1,880	1,730	1,254	1,202	1,166	21,215
FLOW AT LABORDE WEIR	2,703	0	8,828	20,888	28,512	23,493	19,392	9,697	4,211	5,984	4,851	6,752	135,311
KRC & Irr. Co. Calloway Del.	0	4	272	306	313	394	443	295	200	170	0	0	2,397
Rosedale Ranch ID at Headworks	0	762	2,826	4,411	4,558	4,631	6,359	4,958	1,961	641	0	0	31,107
Seepage Loss	202	63	408	518	527	519	551	423	353	307	145	139	4,155
NKMSD 8-1-0 Inflow	0	829	805	0	0	0	0	0	87	38	0	0	1,759
FLOW AT SEVENTH STANDARD LINE	2,501	0	6,127	15,653	23,114	17,949	12,039	4,021	1,784	4,904	4,706	6,613	99,411
for Rosedale Ranch ID	0	0	58	95	179	191	335	320	276	0	277	0	1,731
for North Kern WSD	2,501	0	6,069	15,558	22,935	17,758	11,704	3,701	1,508	4,904	4,429	6,613	97,680

KERN COUNTY WATER AGENCY:

Operating Loss	135	123	139	135	139	139	143	135	137	135	129	133	1,622
Turnout # 4 to River	119	0	107	107	61	242	77	0	0	543	0	0	1,149
ID # 4 Treatment Plant	1,017	1,041	1,374	1,963	3,107	3,081	3,152	1,686	2,204	1,796	1,255	1,013	22,689
CVC Backflow	0	0	337	2,822	3,075	2,865	3,743	1,406	2,023	2,248	2,618	833	21,970
CVC Filling Loss	274	213	79	249	292	276	263	117	200	103	95	28	2,210
Bartell Spreading	0	0	0	0	0	0	0	867	1,071	908	639	446	3,931
Spreading Below Measuring Sta.	2,220	1,168	4	0	0	0	0	1,880	1,730	1,254	1,202	682	10,140
TOTAL DIVERTED	3,765	2,545	1,933	5,276	6,674	6,603	7,398	6,091	7,365	6,987	5,939	3,135	63,711

KERN RIVER CANAL & IRRIGATING CO.:

Calloway Irrigation Deliveries	0	4	272	306	313	394	443	295	200	170	0	0	2,397
Delivery Loss/ Spreading	0	4	220	113	105	133	163	84	72	61	0	22	977
TOTAL DIVERTED	0	8	492	419	418	527	606	379	272	231	0	22	3,374

ROSEDALE RANCH ID:

Flow at Headworks	0	762	2,826	4,411	4,558	4,631	6,359	4,958	1,961	641	0	0	31,107
Flow at Seventh Standard Line	0	0	58	95	179	191	335	320	276	0	277	0	1,731
Assigned Loss	0	59	184	179	184	178	184	184	179	119	40	0	1,490
TOTAL DIVERTED	0	821	3,068	4,685	4,921	5,000	6,878	5,462	2,416	760	317	0	34,328

NORTH KERN WATER STORAGE DISTRICT:

Flow at Seventh Standard Line	2,501	0	6,069	15,558	22,935	17,758	11,704	3,701	1,508	4,904	4,429	6,613	97,680
Total Loss	91	0	1,567	2,162	2,924	2,658	2,271	155	102	127	105	601	12,763
TOTAL DIVERTED	2,592	0	7,636	17,720	25,859	20,416	13,975	3,856	1,610	5,031	4,534	7,214	110,443

North Kern Water Storage District
Class 1 Irrigation Deliveries

Year: 1986

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	31	26	101	175	204	229	395	201	132	148	15	12
2	27	11	101	157	245	266	348	188	152	131	17	11
3	26	18	124	168	219	267	349	163	171	129	29	10
4	13	29	136	134	277	277	310	201	192	112	17	10
5	7	29	151	143	235	269	312	193	163	110	12	10
6	1	32	156	116	242	264	292	207	144	127	14	13
7	0	37	209	169	276	260	312	218	131	140	20	4
8	0	45	190	140	265	225	307	192	173	163	17	5
9	0	35	144	135	285	238	309	164	161	159	13	9
10	0	61	124	182	277	255	360	142	161	149	24	6
11	0	52	117	142	283	316	355	170	163	136	27	2
12	0	60	112	126	278	318	322	167	142	122	32	7
13	0	92	89	129	268	300	282	185	122	163	24	4
14	0	76	74	131	265	306	332	150	111	138	30	4
15	1	15	71	173	288	264	368	131	142	141	22	4
16	2	16	65	185	266	284	376	129	142	124	14	5
17	0	27	90	164	230	274	359	114	155	115	26	8
18	2	21	90	182	211	320	353	147	176	108	26	0
19	0	22	94	169	244	330	302	149	184	103	9	0
20	4	25	106	174	277	294	307	149	163	146	9	0
21	1	23	118	197	284	290	332	160	164	150	8	0
22	1	20	131	228	284	246	312	136	162	102	16	0
23	1	18	127	206	305	271	256	107	167	88	16	4
24	2	86	180	221	290	299	268	85	174	84	20	4
25	0	94	137	202	278	330	275	145	178	75	9	4
26	0	109	153	200	312	351	253	164	168	47	15	5
27	3	110	145	191	303	353	204	181	166	55	10	1
28	9	114	165	211	343	360	209	181	140	57	13	4
29	12	-	118	222	339	351	202	164	170	35	10	5
30	30	-	115	218	277	396	206	142	159	28	9	7
31	29	-	165	-	253	-	191	111	-	30	-	10
TOTAL	202	1,303	3,898	5,160	8,329	8,803	9,358	4,936	4,728	3,415	523	168
MAXIMUM DAY	31	114	209	228	343	396	395	218	192	163	32	13
MINIMUM DAY	0	0	65	116	204	225	191	85	111	28	0	0
MEAN	7	47	126	172	269	293	302	159	158	110	17	5
TOTAL AC.-FT.	400	2,584	7,731	10,234	16,520	17,461	18,562	9,791	9,377	6,773	1,037	333
WHOLE YEAR:-	TOTAL,	50,823	MAXIMUM,	396	MINIMUM,	0	MEAN,	139	TOTAL AC.-FT.,	100,803		

North Kern Water Storage District
Class 2 Irrigation Deliveries

Year: 1986

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	4	55	74	52	96	123	78	21	71	3	2
2	7	5	55	83	75	109	124	53	37	60	0	3
3	8	11	77	79	64	111	116	53	51	59	19	2
4	0	13	79	88	48	112	111	72	41	64	26	2
5	0	12	93	86	76	114	98	65	40	52	28	3
6	0	16	96	83	74	111	93	78	37	54	24	3
7	3	18	100	88	83	96	120	66	18	62	17	0
8	0	18	65	74	76	87	126	75	24	46	18	0
9	0	19	49	69	99	100	139	51	20	47	18	0
10	0	18	53	63	83	101	142	45	26	42	16	0
11	0	20	58	61	86	104	156	67	23	43	15	0
12	0	17	62	47	104	102	147	67	31	34	16	0
13	0	23	60	35	86	109	134	69	27	43	14	0
14	0	23	52	61	81	94	132	67	20	53	16	0
15	0	9	47	73	104	84	137	61	35	36	12	0
16	0	7	42	78	117	102	128	49	38	32	10	0
17	0	18	37	89	96	105	120	48	38	39	18	0
18	0	16	46	79	89	104	122	71	38	32	13	0
19	0	13	38	45	124	111	110	60	34	28	10	0
20	0	14	45	46	122	111	105	79	37	25	11	0
21	5	18	58	84	128	67	110	66	35	26	10	0
22	6	8	51	88	121	66	113	59	46	9	7	0
23	3	10	52	88	116	91	114	35	61	9	7	0
24	4	20	78	80	102	107	108	32	68	8	9	0
25	0	34	79	80	94	103	107	50	69	5	8	0
26	0	31	74	43	108	114	98	52	69	5	5	0
27	3	49	66	37	114	122	76	62	63	14	4	0
28	1	55	69	48	105	117	86	60	63	15	2	0
29	6	-	68	47	119	100	86	47	64	12	2	0
30	6	-	50	50	119	111	91	35	66	14	3	0
31	4	-	69	-	109	-	82	17	-	11	-	0
TOTAL	56	519	1,923	2,046	2,974	3,061	3,554	1,809	1,240	1,050	361	15
MAXIMUM DAY	8	55	100	89	128	122	156	86	69	71	28	3
MINIMUM DAY	0	0	37	35	48	66	76	17	18	5	0	0
MEAN	2	19	62	68	96	102	115	58	41	34	12	0
TOTAL AC. FT.	111	1,029	3,814	4,059	5,899	6,072	7,048	3,589	2,459	2,082	717	29
WHOLE YEAR:--	TOTAL,	18,608	MAXIMUM,	156	MINIMUM,	0	MEAN,	51	TOTAL AC. FT.,	36,908		

Year: 1986

Poso Creek Natural Flow as Measured at Highway #99

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	40	0	0	0	0	0	0	0	0
2	0	0	0	42	0	0	0	0	0	0	0	0
3	0	0	0	39	0	0	0	0	0	0	0	0
4	0	0	0	37	0	0	0	0	0	0	0	0
5	0	0	0	30	0	0	0	0	0	0	0	0
6	0	0	0	27	0	0	0	0	0	0	0	0
7	0	0	0	25	0	0	0	0	0	0	0	0
8	0	0	0	25	0	0	0	0	0	0	0	0
9	0	0	57	20	0	0	0	0	0	0	0	0
10	0	0	122	15	0	0	0	0	0	0	0	0
11	0	0	230	9	0	0	0	0	0	0	0	0
12	0	0	426	7	0	0	0	0	0	0	0	0
13	0	0	284	6	0	0	0	0	0	0	0	0
14	0	1	231	10	0	0	0	0	0	0	0	0
15	0	26	213	3	0	0	0	0	0	0	0	0
16	0	57	193	0	0	0	0	0	0	0	0	0
17	0	80	204	0	0	0	0	0	0	0	0	0
18	0	73	183	0	0	0	0	0	0	0	0	0
19	0	68	145	0	0	0	0	0	0	0	0	0
20	0	119	124	0	0	0	0	0	0	0	0	0
21	0	113	115	0	0	0	0	0	0	0	0	0
22	0	67	111	0	0	0	0	0	0	0	0	0
23	0	42	104	0	0	0	0	0	0	0	0	0
24	0	32	91	0	0	0	0	0	0	0	0	0
25	0	23	80	0	0	0	0	0	0	0	0	0
26	0	15	79	0	0	0	0	0	0	0	0	0
27	0	5	71	0	0	0	0	0	0	0	0	0
28	0	2	60	0	0	0	0	0	0	0	0	0
29	0	-	54	0	0	0	0	0	0	0	0	0
30	0	-	57	0	0	0	0	0	0	0	0	0
31	0	-	50	-	0	-	0	0	-	0	-	0
TOTAL	0	723	3,284	335	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	119	426	42	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	26	106	11	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	1,434	6,514	664	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	4,342	MAXIMUM,	426	MINIMUM,	0	MEAN,	12	TOTAL AC. FT.,	8,612		

Year: 1986

Friant-Kern Inflow to Poso Creek Channel

DISCHARGE IN CUBIC FEET PER SECOND

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	275	50	0	0	0	0	0	0	0	0
2	0	0	275	50	0	0	0	0	0	0	0	0
3	0	0	307	67	0	0	0	0	0	0	0	0
4	0	0	360	80	0	0	0	0	0	0	0	0
5	0	0	378	80	0	0	0	0	0	0	0	0
6	0	0	400	80	0	0	0	0	0	0	0	0
7	0	0	370	80	0	0	0	0	0	0	0	0
8	0	0	280	80	0	0	0	0	0	0	0	0
9	0	0	200	80	0	0	0	0	0	0	0	0
10	0	0	125	125	0	0	0	0	0	0	0	0
11	0	0	63	125	0	0	0	0	0	0	0	0
12	0	0	0	125	0	0	0	0	0	0	0	0
13	0	0	19	125	0	0	0	0	0	0	0	0
14	0	19	31	125	0	0	0	0	0	0	0	0
15	0	100	0	52	0	0	0	0	0	0	0	0
16	0	100	0	0	0	0	0	0	0	0	0	0
17	0	17	0	0	0	0	0	0	0	0	0	0
18	0	117	0	0	0	0	0	0	0	0	0	0
19	0	150	56	0	0	0	0	0	0	0	0	0
20	0	150	70	0	0	0	0	0	0	0	0	0
21	0	150	50	0	0	0	0	0	0	0	0	0
22	0	117	50	0	0	0	0	0	0	0	0	0
23	0	118	50	0	0	0	0	0	0	0	0	0
24	0	161	50	0	0	0	0	0	0	0	0	0
25	0	180	63	0	0	0	0	0	0	0	0	0
26	0	189	75	0	0	0	0	0	0	0	0	0
27	0	239	75	0	0	0	0	0	0	0	0	0
28	0	275	75	0	0	0	0	0	0	0	0	0
29	0	-	59	0	0	0	0	0	0	0	0	0
30	0	-	50	0	0	0	0	0	0	0	0	0
31	0	-	50	-	0	-	0	0	-	0	-	0
TOTAL	0	2,082	3,856	1,324	0	0	0	0	0	0	0	0
MAXIMUM DAY	0	275	400	125	0	0	0	0	0	0	0	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	74	124	44	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	4,130	7,648	2,626	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	7,262	MAXIMUM,	400	MINIMUM,	0	MEAN,	20	TOTAL AC. FT.,	14,404		

DISTRIBUTION OF WATER - POSO CREEK CHANNEL
WITHIN THE BOUNDARIES OF NORTH KERN WATER STORAGE DISTRICT

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Poso Creek Natural Flow @ Hwy. "99"	+	0	1,434	6,514	664	0	0	0	0	0	0	0	8,612
Friant-Kern Inflow	+	0	4,130	7,648	2,626	0	0	0	0	0	0	0	14,404
Kern River Inflow	+	25	371	357	8,143	9,992	2,512	1,808	1,038	1,167	1,698	838	41,635
Total Inflow	=	25	5,935	14,519	11,433	9,992	2,512	1,808	1,038	1,167	1,698	838	64,651
Semi-Tropic MSD:													
Kern River Delivered	+	0	0	0	4,851	9,072	0	0	0	0	0	0	20,540
Poso Creek Natural Delivered	+	0	0	3,314	0	0	0	0	0	0	0	0	3,314
Friant-Kern Water Delivered	+	0	3,491	5,409	2,565	0	0	0	0	0	0	0	11,465
Total Delivered to Semi-Tropic MSD	=	0	3,491	8,723	7,416	9,072	0	0	0	0	0	0	35,319
Non-District Irr. (Kern River)													
		0	0	0	0	310	0	0	0	0	0	0	310
North Kern MSD:													
Poso Crk. Spdg. (Poso Crk. Natural)		0	1,105	2,771	664	0	0	0	0	0	0	0	4,540
Poso Crk. Spdg. (Friant-Kern Water)		0	357	636	61	0	0	0	0	0	0	0	1,054
Poso Crk. Spdg. (Kern River)		25	371	357	3,292	4,304	2,512	1,808	1,038	1,167	1,698	838	20,785
Sub-Total Poso Creek Spreading		25	1,833	3,764	4,017	3,375	2,512	1,808	1,038	1,167	1,698	838	26,379
Class 1 Irr. (Friant-Kern Water)													
District Ponds (Poso Crk. Natural)		0	117	1,109	0	0	0	0	0	0	0	0	1,226
District Ponds (Friant-Kern Water)		0	329	429	0	0	0	0	0	0	0	0	758
District Ponds (Kern River)		0	165	494	0	0	0	0	0	0	0	0	659
Total Delivered to NWMSD	=	25	2,444	5,795	4,017	4,304	2,512	1,808	1,038	1,167	1,698	838	29,022
Kern River Spreading													
Diversion of Poso Creek Natural		0	1,434	3,200	664	0	0	0	0	0	0	0	5,298
Diversion of Friant-Kern Water		0	639	2,239	61	0	0	0	0	0	0	0	2,939

Year: 1986

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	0	0	68	48	60	99	46	77	62	0	0	0
2	0	0	61	55	51	102	44	81	60	0	0	0
3	0	0	59	60	49	99	55	73	58	0	0	0
4	0	0	62	60	47	92	59	80	55	0	0	0
5	0	0	61	60	51	89	59	80	44	0	0	0
6	0	0	57	60	51	86	59	74	40	0	0	0
7	0	0	53	65	51	79	59	59	40	0	0	0
8	0	0	49	73	52	71	53	66	29	0	0	0
9	0	0	50	77	51	64	48	64	18	0	0	0
10	0	0	50	75	52	46	58	46	15	0	0	0
11	0	0	50	78	55	36	66	44	15	0	0	0
12	0	0	48	81	53	40	70	56	16	0	0	0
13	0	0	45	84	50	40	72	65	15	0	0	0
14	0	0	48	73	57	39	73	66	14	0	0	0
15	0	0	54	70	59	43	76	70	13	0	0	0
16	0	0	53	69	58	47	76	72	12	0	0	0
17	0	0	53	72	58	52	77	74	16	0	0	0
18	0	0	53	76	58	58	83	77	16	0	0	0
19	0	7	53	79	61	60	73	78	16	0	0	0
20	0	14	49	78	66	63	61	65	16	0	0	0
21	0	19	45	78	70	64	54	54	15	0	0	0
22	0	43	42	83	70	67	51	53	16	0	0	0
23	0	43	40	94	70	62	55	50	16	0	0	0
24	0	42	40	96	73	57	55	52	14	0	0	0
25	0	42	45	92	76	60	61	56	11	0	0	0
26	0	43	55	87	77	61	65	60	9	0	0	0
27	0	43	59	79	77	57	65	65	10	0	0	0
28	0	57	59	87	89	57	63	66	10	0	0	0
29	0	-	50	87	103	52	63	59	10	0	0	0
30	0	-	57	74	104	52	70	62	9	0	0	0
31	0	-	50	-	103	-	75	61	-	0	-	0
TOTAL	0	353	1,618	2,250	2,002	1,894	1,944	2,005	690	0	0	0
MAXIMUM DAY	0	57	68	96	104	102	83	81	62	0	0	0
MINIMUM DAY	0	0	40	48	47	36	44	44	9	0	0	0
MEAN	0	13	52	75	65	63	63	65	23	0	0	0
TOTAL AC. FT.	0	700	3,209	4,463	3,971	3,757	3,856	3,977	1,369	0	0	0
WHOLE YEAR:-	TOTAL,	12,756	MAXIMUM,	104	MINIMUM,	0	MEAN,	35	TOTAL AC. FT.,	25,302		

JAMES - PIONEER IMPROVEMENT DISTRICT
of the NORTH KERN WATER STORAGE DISTRICT
JAMES CANAL

Quantities in acre-feet

Year: 1986

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Upstream Diversion Loss: JPID	+	0	0	0	0	0	0	0	38	0	0	0	38
Upstream Diversion Loss: Other	+	0	0	0	0	0	0	0	0	0	0	0	0
James Delivered via River Canal	+	0	0	23	0	19	41	40	9	0	0	0	132
James Canal at Headworks	+	0	700	3,209	4,463	3,971	3,856	3,977	1,369	0	0	0	25,302
TOTAL DIVERTED	=	0	700	3,232	4,463	3,971	3,897	4,017	1,416	0	0	0	25,472
Irrigation Deliveries: JPID	+	0	248	1,388	1,615	1,319	2,685	2,953	952	0	0	0	13,490
Irrigation Deliveries: Other	+	0	0	0	0	76	77	121	0	0	0	0	274
TOTAL IRRIGATION DELIVERIES	=	0	248	1,388	1,615	1,319	2,762	3,084	952	0	0	0	13,764
DELIVERY PERCENTAGE		0%	35%	43%	36%	33%	71%	77%	69%	0%	0%	0%	54%
Canal Loss: JPID	+	0	452	607	0	0	0	505	426	0	0	0	1,990
Canal Loss: City of Bakersfield	+	0	0	1,134	1,184	792	801	1,135	428	0	0	0	5,474
TOTAL CANAL LOSS	=	0	452	1,741	1,184	792	801	1,135	933	426	0	0	7,464
Spreading: JPID	+	0	0	0	0	0	0	0	0	0	0	0	0
Spreading: Other	+	0	0	103	1,664	1,860	579	0	0	0	0	0	4,206
TOTAL SPREADING	=	0	0	103	1,664	1,860	579	0	0	0	0	0	4,206

SOURCE OF SUPPLY:

City of Bakersfield Basic Contract	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Bakersfield Misc.: JPID	0	0	1,903	2,799	2,111	3,121	3,820	1,662	0	0	0	0	15,416
City of Bakersfield Misc.: Other	0	0	0	0	0	76	77	121	0	0	0	0	274
North Kern MSD Exchange	0	0	0	0	0	0	0	2,234	1,416	0	0	0	3,650
Other: Friant-Kern Floodwater	0	700	1,329	0	0	0	0	0	0	0	0	0	2,029
Other: 2800 Acre Banking via JPID	0	0	0	1,664	1,860	579	0	0	0	0	0	0	4,103

DISCHARGE IN CUBIC FEET PER SECOND

Total Flow via the Pioneer Canal Headgate

Year: 1986

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	145	152	172	223	149	144	60	35	0	0
2	0	0	148	174	166	246	145	145	78	45	0	0
3	0	0	158	196	169	231	145	153	87	47	0	0
4	0	0	160	200	169	222	148	160	102	40	0	0
5	0	0	160	198	169	214	132	153	97	33	0	0
6	0	0	158	190	170	207	123	133	82	34	0	0
7	0	0	159	189	173	221	126	118	68	35	0	0
8	0	0	143	185	172	216	134	114	64	39	0	0
9	0	0	144	184	173	215	134	114	64	36	0	0
10	0	0	144	177	174	186	139	134	60	33	0	0
11	0	0	145	178	173	147	139	140	55	4	0	0
12	0	0	137	180	178	145	135	130	58	0	0	0
13	0	0	131	185	185	146	126	129	59	0	0	0
14	0	0	131	186	191	142	136	129	54	0	0	0
15	0	0	114	188	176	133	153	132	54	0	0	0
16	0	0	116	187	181	131	153	137	53	0	0	0
17	0	16	116	168	180	120	147	137	45	0	0	0
18	0	61	116	160	176	118	145	137	45	0	0	0
19	0	68	114	160	192	121	128	139	44	0	0	0
20	0	99	115	164	200	119	133	142	45	0	0	0
21	0	115	114	182	211	114	137	148	41	0	0	0
22	0	118	115	198	209	123	140	157	45	0	0	0
23	0	120	116	205	204	133	147	158	49	0	0	0
24	0	137	121	213	197	132	155	154	44	0	0	0
25	0	139	123	211	200	147	150	143	50	0	0	0
26	0	138	127	195	204	140	145	141	49	0	0	0
27	0	133	139	194	204	139	138	130	49	0	0	0
28	0	133	139	199	199	140	144	111	46	0	0	0
29	0	-	139	197	193	134	147	103	42	0	0	0
30	0	-	140	180	199	137	143	94	43	0	0	0
31	0	-	137	-	211	-	141	83	-	0	-	0
TOTAL	0	1,277	4,164	5,575	5,770	4,842	4,357	4,142	1,752	381	0	0
MAXIMUM DAY	0	139	160	213	211	246	155	160	102	47	0	0
MINIMUM DAY	0	0	114	152	166	114	123	83	41	0	0	0
MEAN	0	46	134	166	166	161	141	134	58	12	0	0
TOTAL AC. FT.	0	2,533	8,259	11,058	11,445	9,604	8,642	8,216	3,475	756	0	0
WHOLE YEAR:-	TOTAL,	32,260	MAXIMUM,	246	MINIMUM,	0	MEAN,	88	TOTAL AC. FT.,	63,988		

JAMES - PIONEER IMPROVEMENT DISTRICT
of the NORTH KERN WATER STORAGE DISTRICT
PIONEER CANAL

Quantities in acre-feet

Year: 1966

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Upstream Diversion Loss: JPID	+	0	0	0	0	0	0	0	704	60	0	0	764
Upstream Diversion Loss: Other	+	0	0	0	0	0	0	0	0	0	0	0	0
Enos Ln. Siphon	+	0	0	0	0	0	0	0	0	0	0	0	0
Pioneer Canal at Headworks	+	2,533	8,259	11,058	11,445	9,604	8,642	8,216	3,475	756	0	0	63,988
TOTAL DIVERTED	=	0	2,533	8,259	11,058	11,445	8,642	8,216	4,179	816	0	0	64,752
Irrigation Deliveries: JPID	+	0	481	1,759	2,410	2,417	4,741	5,721	1,066	200	0	0	23,863
Irrigation Deliveries: Other	+	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL IRRIGATION DELIVERIES	=	0	481	1,759	2,410	2,417	4,741	5,721	1,066	200	0	0	23,863
DELIVERY PERCENTAGE	=	0%	19%	21%	22%	21%	49%	66%	62%	31%	0%	0%	37%
Canal Loss: JPID	+	0	544	1,343	0	0	0	1,595	2,028	469	0	0	5,979
Canal Loss: City of Bakersfield	+	0	0	1,006	2,408	1,985	2,202	1,234	0	0	0	0	11,167
TOTAL CANAL LOSS	=	0	544	2,349	2,408	1,985	2,202	2,829	2,028	469	0	0	17,146
Spreading: JPID	+	0	1,508	2,112	0	0	589	319	381	87	0	0	5,456
Spreading: Other	+	0	0	2,039	6,240	7,043	2,201	0	0	0	0	0	17,523
TOTAL SPREADING	=	0	1,508	4,151	6,240	7,043	2,661	319	381	87	0	0	22,979

SOURCE OF SUPPLY:

City of Bakersfield Basic Contract	0	0	0	0	0	0	0	0	0	0	0	0	0
City of Bakersfield Misc.: JPID	0	0	1,504	4,818	4,402	7,403	8,642	3,505	0	0	0	0	30,274
City of Bakersfield Misc.: Other	0	0	0	0	0	0	0	0	0	0	0	0	0
North Kern WSD Exchange	0	0	0	0	0	0	0	4,711	4,179	816	0	0	9,706
Other: Friant-Kern Floodwater	0	2,533	4,716	0	0	0	0	0	0	0	0	0	7,249
Other: 2800 Acre Banking via JPID	0	0	2,039	6,240	7,043	2,201	0	0	0	0	0	0	17,523

DISCHARGE IN CUBIC FEET PER SECOND

Total Flow via the Rosedale Ranch I. D. Headgate

Year: 1985

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	62	81	136	74	92	108	34	16	0	0
2	0	0	50	66	118	81	105	94	71	20	0	0
3	0	0	66	62	95	77	114	87	82	20	0	0
4	0	0	81	58	75	84	119	104	73	16	0	0
5	0	0	76	47	73	90	122	111	53	19	0	0
6	0	0	60	41	64	87	91	114	43	20	0	0
7	0	0	54	53	58	70	106	93	29	17	0	0
8	0	0	38	69	56	51	112	75	27	27	0	0
9	0	0	26	68	58	80	111	60	34	29	0	0
10	0	0	24	78	56	68	112	48	56	26	0	0
11	0	0	28	83	52	69	112	98	53	14	0	0
12	0	0	27	73	75	90	121	95	50	8	0	0
13	0	0	24	66	68	76	109	102	39	13	0	0
14	0	0	21	76	74	70	106	108	8	14	0	0
15	0	0	15	70	83	46	114	118	38	20	0	0
16	0	0	14	72	76	75	116	87	42	19	0	0
17	0	0	19	82	60	102	92	74	46	9	0	0
18	0	0	23	82	57	103	78	94	42	6	0	0
19	0	13	37	63	100	97	69	95	25	7	0	0
20	0	20	42	62	114	73	74	98	6	3	0	0
21	0	27	43	74	109	70	116	96	8	0	0	0
22	0	26	43	78	79	63	123	72	16	0	0	0
23	0	29	43	84	63	71	124	60	18	0	0	0
24	0	44	58	84	60	81	117	48	15	0	0	0
25	0	56	59	78	45	85	109	50	20	0	0	0
26	0	52	54	60	38	91	98	58	17	0	0	0
27	0	53	54	55	57	90	75	64	10	0	0	0
28	0	64	75	104	65	84	71	59	2	0	0	0
29	0	-	71	123	69	62	79	57	14	0	0	0
30	0	-	62	132	91	75	108	47	18	0	0	0
31	0	0	76	-	74	-	111	26	-	0	-	0
TOTAL	0	384	1,425	2,224	2,298	2,335	3,206	2,500	989	323	0	0
MAXIMUM DAY	0	64	81	132	136	103	124	118	82	29	0	0
MINIMUM DAY	0	0	14	41	38	46	69	26	2	0	0	0
MEAN	0	14	46	74	74	78	103	81	33	10	0	0
TOTAL AC. FT.	0	762	2,826	4,411	4,558	4,631	6,359	4,958	1,961	641	0	0
WHOLE YEAR:-	TOTAL,	15,684	MAXIMUM,	136	MINIMUM,	0	MEAN,	43	TOTAL AC. FT.,	31,107		

ROSEDALE RANCH IMPROVEMENT DISTRICT
of the NORTH KERN WATER STORAGE DISTRICT

Year: 1966

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Upstream Diversion Loss	+	0	59	184	179	184	184	184	179	119	40	0	1,490
Diverted via R-21 & R-7 Laterals	+	0	0	58	95	179	335	350	276	0	277	0	1,731
Rosedale Ranch ID at Headworks	+	0	762	2,826	4,411	4,558	6,359	4,958	1,961	641	0	0	31,107
TOTAL DIVERTED	=	0	821	3,068	4,685	4,921	6,878	5,462	2,416	760	317	0	34,328
Irrigation Del.: R-21 + R-7	+	0	0	50	83	157	299	268	242	0	49	0	1,317
Irrigation Deliveries: via Main	+	0	334	989	2,079	2,170	3,359	4,779	3,582	401	0	0	19,042
TOTAL IRRIGATION DELIVERIES	=	0	334	1,039	2,162	2,327	3,528	3,850	1,591	401	49	0	20,359
DELIVERY PERCENTAGE		0%	44%	36%	48%	49%	73%	76%	71%	63%	18%	0%	62%
Canal Loss: R-21 + R-7	+	0	0	8	12	22	36	52	34	0	228	0	414
Canal Loss: via Main	+	0	428	1,260	1,069	1,380	1,121	1,580	1,376	612	240	0	9,066
TOTAL CANAL LOSS	=	0	428	1,268	1,081	1,402	1,163	1,428	646	240	228	0	9,480
Spreading: RRID	+	0	0	0	0	0	0	0	0	0	0	0	0
Spreading: City of Bakersfield	+	0	0	577	1,263	1,008	151	0	0	0	0	0	2,999
TOTAL SPREADING	=	0	0	577	1,263	1,008	151	0	0	0	0	0	2,999
SOURCE OF SUPPLY:													
City of Bakersfield: Basic Contract		0	0	0	0	0	0	0	0	0	0	0	0
City of Bakersfield: Misc.		0	0	2,197	4,605	4,921	6,878	4,328	2,331	760	313	0	31,413
City of Bakersfield: Other		0	0	0	0	0	0	0	0	0	4	0	4
Other: Poso Creek Exchange		0	325	0	0	0	0	0	0	0	0	0	325
Other: Friant-Kern Exchange		0	496	871	0	0	0	0	0	0	0	0	1,367
Other: KMSD/City/ID #4 Exchange		0	0	0	0	0	0	1,134	85	0	0	0	1,219

DISCHARGE IN CUBIC FEET PER SECOND

North Kern WSD Exchange to Camelo WD

Year: 1986

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	8	0	0	0	0	0	0	0	2	26	0
2	0	8	0	0	0	0	0	0	9	2	26	0
3	0	7	0	0	0	0	0	0	9	2	30	0
4	0	8	0	0	0	0	0	0	9	0	27	0
5	0	10	0	0	0	0	0	0	9	0	29	0
6	0	8	0	0	0	0	0	0	9	0	28	0
7	0	20	0	0	0	0	0	0	0	0	27	0
8	0	21	0	0	0	0	0	0	8	0	25	0
9	0	20	0	0	0	0	0	0	0	0	26	0
10	0	21	0	0	0	0	0	0	0	0	16	0
11	0	22	0	0	0	0	0	0	0	0	0	0
12	0	15	0	0	0	0	0	0	0	0	0	0
13	0	12	0	0	0	0	0	0	0	0	0	0
14	0	13	0	0	0	0	0	0	0	2	0	0
15	0	16	0	0	0	0	0	0	0	0	0	0
16	0	13	0	0	0	0	0	0	0	0	0	0
17	0	13	0	0	0	0	0	0	2	0	0	0
18	0	12	0	0	0	0	0	0	2	0	0	0
19	0	0	0	0	0	0	0	0	2	0	0	0
20	0	0	0	0	0	0	0	9	0	0	0	0
21	2	0	0	0	0	0	0	9	0	0	0	0
22	8	0	0	0	0	0	0	9	0	0	0	0
23	8	0	0	0	0	0	0	9	0	0	0	0
24	7	0	0	0	0	0	0	0	4	0	0	0
25	7	0	0	0	0	0	0	9	4	0	0	0
26	7	0	0	0	0	0	0	9	4	0	0	0
27	8	0	0	0	0	0	0	9	0	45	0	0
28	13	0	0	0	0	0	0	9	0	76	0	0
29	8	-	0	0	0	0	0	0	0	78	0	0
30	7	-	0	0	0	0	0	0	0	67	0	0
31	8	-	0	-	0	-	0	0	-	64	-	0
TOTAL	83	247	0	0	0	0	0	72	71	338	260	0
MAXIMUM DAY	13	22	0	0	0	0	0	9	9	78	30	0
MINIMUM DAY	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	3	9	0	0	0	0	0	2	2	11	9	0
TOTAL AC. FT.	165	490	0	0	0	0	0	143	141	671	517	0
WHOLE YEAR:--	TOTAL,	1,071	MAXIMUM,	78	MINIMUM,	0	MEAN,	3	TOTAL AC.FT.,	2,127		

DISCHARGE IN CUBIC FEET PER SECOND

North Kern WSD Exchange Water Delivered to I. D. No. 4
(Per terms of NKWSD/City/I.D. #4 Exchange Agreement Dated 12-13-85)

Year: 1986

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	219	171	0	0	0	0	0	0	0	0	0	0
2	213	176	0	0	0	0	0	0	0	0	0	0
3	220	203	0	0	0	0	0	0	0	0	0	0
4	229	176	0	0	0	0	0	0	0	0	0	0
5	268	196	0	0	0	0	0	0	0	0	0	0
6	277	188	0	0	0	0	0	0	0	0	0	0
7	202	179	0	0	0	0	0	0	0	0	0	0
8	189	164	0	0	0	0	0	0	0	0	0	0
9	195	147	0	0	0	0	0	0	0	0	0	0
10	162	109	0	0	0	0	0	0	0	0	0	0
11	179	105	0	0	0	0	0	0	0	0	0	0
12	195	182	0	0	0	0	0	0	0	0	0	0
13	183	286	0	0	0	0	0	0	0	0	0	0
14	45	189	0	0	0	0	0	0	0	0	0	0
15	91	160	0	0	0	0	0	0	0	0	0	0
16	176	101	0	0	0	0	0	0	0	0	0	0
17	175	46	0	0	0	0	0	0	0	0	0	0
18	155	117	0	0	0	0	0	0	0	0	0	0
19	131	82	0	0	0	0	0	0	0	0	0	0
20	96	102	0	0	0	0	0	0	0	0	0	0
21	74	89	0	0	0	0	0	0	0	0	0	0
22	61	31	0	0	0	0	0	0	0	0	0	0
23	13	42	0	0	0	0	0	0	0	0	0	0
24	20	43	0	0	0	0	0	0	0	0	0	0
25	27	21	0	0	0	0	0	0	0	0	0	0
26	21	18	0	0	0	0	0	0	0	0	0	0
27	31	19	0	0	0	0	0	0	0	0	0	0
28	6	20	0	0	0	0	0	0	0	0	0	0
29	50	-	0	0	0	0	0	0	0	0	0	0
30	157	-	0	0	0	0	0	0	0	0	0	0
31	233	-	0	0	0	0	0	0	0	0	0	0
TOTAL	4,293	3,362	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	277	286	0	0	0	0	0	0	0	0	0	0
MINIMUM DAY	6	18	0	0	0	0	0	0	0	0	0	0
MEAN	138	120	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	8,515	6,668	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	7,655	MAXIMUM,	286	MINIMUM,	0	MEAN,	21	TOTAL AC. FT.,	15,183		

North Kern MSD Payback to Kern-Tulare MD
 (Per terms of NKMSD/K-TMD letter agreement dated 1-13-86) Year: 1986

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	123	0	0	0	0	0	0	0	0	0	0	0
15	77	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	-	0	0	0	0	0	0	0	0	0	0
30	0	-	0	0	0	0	0	0	0	0	0	0
31	0	-	0	-	0	-	0	0	-	0	-	0
TOTAL	200	0	0	0	0	0	0	0	0	0	0	0
MAXIMUM DAY	123	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	6	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	397	0	0	0	0	0	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL,	200	MAXIMUM,	123	MINIMUM,	0	MEAN,	1	TOTAL AC.FT.,	397		

DISCHARGE IN CUBIC FEET PER SECOND

Year: 1986

1986 G. O. C. Diverted via North Kern WSD
 (Per terms of MEMORANDUM OF UNDERSTANDING by and between HMD,
 BVMWD, KOWD, City of Bakersfield and NKMWD dated 4-9-86)

DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	0	0	0	150	150	150	0	0	0	0	0	0
2	0	0	0	150	150	150	0	0	0	0	0	0
3	0	0	0	150	150	150	0	0	0	0	0	0
4	0	0	0	150	150	150	0	0	0	0	0	0
5	0	0	0	150	150	150	0	0	0	0	0	0
6	0	0	0	150	150	150	0	0	0	0	0	0
7	0	0	0	150	150	150	0	0	0	0	0	0
8	0	0	0	150	150	150	0	0	0	0	0	0
9	0	0	0	150	150	150	0	0	0	0	0	0
10	0	0	0	150	150	32	0	0	0	0	0	0
11	0	0	0	150	150	393	0	0	0	0	0	0
12	0	0	0	150	150	306	0	0	0	0	0	0
13	0	0	0	150	150	0	0	0	0	0	0	0
14	0	0	0	150	150	0	0	0	0	0	0	0
15	0	0	0	150	150	0	0	0	0	0	0	0
16	0	0	0	150	150	0	0	0	0	0	0	0
17	0	0	0	150	150	0	0	0	0	0	0	0
18	0	0	0	150	150	0	0	0	0	0	0	0
19	0	0	0	150	150	0	0	0	0	0	0	0
20	0	0	0	150	150	0	0	0	0	0	0	0
21	0	0	0	150	150	0	0	0	0	0	0	0
22	0	0	0	150	150	0	0	0	0	0	0	0
23	0	0	0	150	150	0	0	0	0	0	0	0
24	0	0	0	150	150	0	0	0	0	0	0	0
25	0	0	0	150	150	0	0	0	0	0	0	0
26	0	0	0	150	150	0	0	0	0	0	0	0
27	0	0	0	150	150	0	0	0	0	0	0	0
28	0	0	0	150	150	0	0	0	0	0	0	0
29	0	0	0	150	150	0	0	0	0	0	0	0
30	0	0	0	150	150	0	0	0	0	0	0	0
31	0	0	0	0	150	0	0	0	0	0	0	0
TOTAL	0	0	0	4,500	4,650	1,031	0	0	0	0	0	0
MAXIMUM DAY	0	0	0	150	150	393	0	0	0	0	0	0
MINIMUM DAY	0	0	0	150	150	0	0	0	0	0	0	0
MEAN	0	0	0	150	150	34	0	0	0	0	0	0
TOTAL AC.FT.	0	0	0	8,926	9,223	2,045	0	0	0	0	0	0
WHOLE YEAR:-	10,181	MAXIMUM,	393	MINIMUM,	0	MEAN,	28	TOTAL AC.FT.,	20,194			

NORTH KERN WATER STORAGE DISTRICT
STATUS OF EXCHANGE

Quantities in acre-feet

Year: 1986

	CAMELO WD	KERN-TULARE WD	KERN COUNTY WATER AGENCY	IMPROVEMENT DISTRICT NO. 4	JAMES-PIONEER ID	ROSEDALE RANCH ID												
	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from	to	from
	0	1,827	0	397	0	0	6,452	0	0	16,853	0	0	0	0	0	0	0	0
January	165	0	397	0	0	0	8,515	0	0	0	0	0	0	0	0	0	0	0
February	490	0	0	0	0	0	6,668	0	0	0	0	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	143	300	0	0	0	0	0	0	6,945	0	0	0	0	0	0	0	0	0
September	141	0	0	0	0	0	0	0	5,595	0	0	0	0	0	0	0	0	0
October	671	0	0	0	0	0	0	0	816	0	0	0	0	0	0	0	0	0
November	517	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Yearly Status	2,127	300	397	0	0	0	15,183	0	13,356	0	0	0	0	0	0	0	0	0
Overall Status	0	0	0	0	0	0	21,635	0	3,497	0	0	0	0	0	0	0	0	0

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
1984													
NKMSD to CITY	0	0	0	192	0	0	0	0	0	0	10,000	0	10,192
CITY to NKMSD	0	0	0	61	0	9,939	0	0	0	0	0	0	10,000
CITY Debit to NKMSD	24,700	24,700	24,700	24,831	24,831	14,892	14,892	14,892	14,892	14,892	24,892	24,892	24,892
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1985													
NKMSD to CITY	0	0	0	0	0	0	0	0	34	108	6,532	2,876	9,550
CITY to NKMSD	0	0	0	0	0	10,000	0	0	0	0	0	0	10,000
CITY Debit to NKMSD	24,892	24,892	24,892	24,892	24,892	14,892	14,892	14,892	14,926	15,034	21,566	24,442	24,442
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1986													
NKMSD to CITY	0	0	0	0	0	0	0	0	69	4,931	0	0	5,000
CITY to NKMSD	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY Debit to NKMSD	24,442	24,442	24,442	24,442	24,442	24,442	24,442	24,442	24,511	29,442	29,442	29,442	29,442
Other Purchase Rate	0	0	0	0	0	0	0	0	0	0	0	0	0

COST ALLOCATION AND WATERMASTER SUMMARIES

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

Year: 1986

Quantities in acre-feet

	1982	1983	1984	1985	1986	Five Year Total	Allocation Percentage
TOTAL CARRIER CANAL FLOW (1)	365,875	498,767	289,646	178,420	315,266	1,648,934	100.00%
Stine Canal Total Diverted (2)	45,147	47,808	49,598	44,652	52,925	240,130	14.56%
Buena Vista Canal Total Diverted (2)	35,272	44,237	40,068	37,000	51,761	208,338	12.64%
KERN DELTA WATER DISTRICT TOTAL DIVERTED FROM CARRIER CANAL	80,419	92,045	89,666	81,652	104,686	448,468	27.20%
KERN RIVER CONDUIT (City of Bakersfield)	286,456	405,722	199,980	96,768	210,540	1,200,466	72.80%

Notes: (1) Sum of Carrier canal flow at Oak St. and River canal inflow.
(2) Sum of headgate diversion and pro-rated share of Carrier canal loss.

CALLOWAY AND BEARDSLEY CANALS
Allocation of Joint Accounts

1986
====

Quantities in acre-feet

BEARDSLEY CANAL USED
=====
Preceding Five Years

Year	NKMSD	CITY	TOTAL
1982	197,466	21,661	219,127
1983	214,200	8,450	222,650
1984	215,983	19,725	235,708
1985	170,968	17,850	188,818
1986	222,907	21,501	244,408
Total	1,021,524	89,187	1,110,711
Percent	91.97%	8.03%	100.00%

CALLOWAY CANAL USED
=====
Preceding Ten Years

Diverted from River

Year	NKMSD	CITY	Subtotal	I.D. #4	TOTAL
1977	742	3,415	4,157	-	4,157
1978	83,536	31,884	115,420	-	115,420
1979	39,276	23,245	62,521	-	62,521
1980	114,256	60,017	174,273	-	174,273
1981	1,575	6,970	8,545	-	8,545
1982	108,213	21,457	129,670	37,494	167,164
1983	132,111	21,645	153,756	31,708	185,464
1984	10,478	4,607	15,085	16,534	31,619
1985	9,550	4	9,554	27,827	37,381
1986	110,443	33,807	144,250	63,711	207,961
Total	610,180	207,051	817,231	177,274	994,505
Percent	74.56%	25.34%	100.00%		

Note: I.D. #4 included within City capacity prior to 1982.
(NKMSD-City-I.D. #4 Agreement dated April 28, 1982.)

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

Quantities in acre-feet

Year: 1986

Canal	Five Year					Percentage	
	1982	1983	1984	1985	1986		Total
Kern Island	146,675	123,609	153,320	150,150	139,292	713,046	16.87%
Eastside	23,212	21,497	22,531	20,904	20,575	108,719	2.57%
Buena Vista	28,740	43,895	28,299	25,082	44,892	170,908	4.04%
Stine	31,749	33,530	36,071	32,230	35,118	168,698	3.99%
Farwers	18,651	23,196	20,932	18,117	23,349	104,245	2.47%
Subtotal Kern Delta MD	249,027	245,727	261,153	246,483	263,226	1,265,616	29.94%
City of Bakersfield	174,223	349,970	156,421	95,941	242,905	1,019,460	24.12%
K.R.C. & I. Co. (Beardsley)	13,836	7,670	11,287	10,724	15,079	58,596	1.39%
Central (Calloway)	51,999	42,808	18,701	27,508	93,289	234,305	5.54%
James	14,713	23,186	3,684	0	25,434	67,017	1.59%
Pioneer	35,366	78,425	12,895	0	55,164	181,850	4.30%
Subtotal City of Bakersfield	290,137	502,059	202,988	134,173	431,871	1,561,228	36.94%
North Kern WSD	316,386	350,249	224,185	176,990	331,692	1,399,502	33.12%
Total First Point Group	855,550	1,098,035	688,326	557,646	1,026,789	4,226,346	100.00%
South Fork	2,317	1,988	2,761	2,192	1,822		
First Point passing 2nd Point	24,109	164,286	33,183	0	4,262		
River Loss and Spreading	70,408	80,349	26,572	45,283	78,454		
Total 1st Point Group Diverted (Includes Lake Ming)	952,384	1,344,658	750,842	605,121	1,111,327		

- 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: 1986

Year	Acre-Foot Days of Irrigation Storage			Isabella D. & M. Charges (2)
	NKWS (1)	BVWS	Total A.F.D.	
1982	76,057,038	37,441,367	113,498,405	\$91,598
1983	95,390,599	43,404,492	138,795,091	\$91,598
1984	66,297,475	34,172,985	100,470,460	\$159,115
1985	55,300,056	27,707,421	83,007,477	\$159,115
1986	83,751,813	38,737,544	122,489,357	\$159,115
5-Year Totals	376,796,981	181,463,809	558,260,790	\$660,541

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

- Total 5-Year Operation & Interest Charge..... \$1,803,791

Total 5-Year Cost = \$1,803,791 = \$0.0032311

Total 5-Year Use = 558,260,790 = Rental Charge
Per
Acre-Foot Day

TOTAL 1986 HACIENDA WD Acre-Foot Storage Days = 21,173,677

TOTAL 1986 HACIENDA WD Share of 1986 Storage Costs = \$68,414.27

(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... (includes contract administration charges by the U.S.B.R.)

KERN COUNTY RECREATION POOL REPORT
FROM THE KERN RIVER WATERMASTER

Year: 1986

Quantities in acre-feet

	Total Storage in Reservoir	Total Water Surface Area	Attributable Area to Rec. Pool	County of Kern		
				Total Reservoir Loss	Ming Lake Recreation Net Inflow Pool Loss	
End of Previous Year	195,516	6,527	645			
January	205,724	6,732	625	1,119	16	
February	315,450	8,579	450	1,150	16	
March	421,836	9,936	350	2,323	44	
April	452,768	10,280	335	4,740	60	
May	533,100	11,111	300	7,436	77	
June	553,166	11,309	295	10,088	105	
July	469,360	10,458	325	10,933	127	
August	374,623	9,372	390	10,276	121	
September	326,970	8,743	435	6,361	91	
October	268,423	7,859	510	3,866	65	
November	246,101	7,482	550	2,329	42	
December	244,085	7,447	550	1,206	26	
TOTALS				61,827	790	2,380

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
(Monthly, To Date & Current Year)

Quantities in acre-feet

Year: 1986

	CALENDAR			YEAR			
	POINT			ENTITLEMENT			
	FIRST	NATURAL	HWSD	REGULATED	NWMSD	BWMSD	HWSD
JANUARY To Date	31,277	42,668	42,605	31,277	42,605	63	63
FEBRUARY	39,039	149,966	123,148	70,316	165,753	26,818	0
MARCH	95,946	204,775	88,107	166,262	253,860	94,904	48,645
APRIL	172,221	208,147	116,806	338,483	370,666	63,501	27,840
MAY	205,204	293,335	152,043	543,687	522,709	99,459	41,833
JUNE	233,197	263,794	138,637	776,884	661,346	87,542	118,318
JULY	193,767	121,398	76,687	970,651	738,033	31,362	13,349
AUGUST	141,114	57,160	44,940	1,111,765	782,973	12,220	169,282
SEPTEMBER	67,569	26,567	26,567	1,179,334	809,540	388,988	0
OCTOBER	82,792	28,330	28,330	1,262,126	837,870	388,988	0
NOVEMBER	45,227	25,341	25,341	1,307,353	863,211	388,988	0
DECEMBER Year	24,208	23,458	23,458	1,331,561	886,669	388,988	0

1894 to 1986 Mean April-July Runoff = 481,611 acre-feet (100% of Average)
1986 April-July Runoff = 886,674 acre-feet (184% of Average)

	WATER			YEAR			
	POINT			ENTITLEMENT			
	FIRST	NATURAL	HWSD	REGULATED	NWMSD	BWMSD	HWSD
OCTOBER To Date	25,305	16,495	16,495	25,305	16,495	0	0
NOVEMBER	20,333	22,314	22,314	45,638	38,809	0	0
DECEMBER	28,986	33,945	33,945	74,624	72,754	0	0
JANUARY	31,277	42,668	42,605	105,901	115,359	63	63
FEBRUARY	39,039	149,966	123,148	144,940	238,507	26,818	0
MARCH	95,946	204,775	88,107	240,886	326,614	68,023	48,645
APRIL	172,221	208,147	116,806	413,107	443,420	158,405	27,840
MAY	205,204	293,335	152,043	618,311	595,463	99,459	41,833
JUNE	233,197	263,794	138,637	851,508	734,100	257,864	118,318
JULY	193,767	121,398	76,687	1,045,275	810,787	31,362	13,349
AUGUST	141,114	57,160	44,940	1,186,389	855,727	388,988	169,282
SEPTEMBER Year	67,569	26,567	26,567	1,253,958	882,294	388,988	0

1894 to 1986 Mean March-October Runoff = 616,249 acre-feet (100% of Average)
1986 March-October Runoff = 1,203,506 acre-feet (195% of Average)

Quantities in S.F.D. except where noted

DAY	ISABELLA		RESERVOIR		FIRST POINT		CHANGE IN		COMPUTED		MEAN STORAGE		KERN COUNTY		2ND POINT		
	ELEVATION (FEET)	MIDNIGHT ACRE-FEET	S.F.D.	LOSS	REGULATED FLOW	FLOW ABOVE 1ST PT.	STORAGE+ LOSS+1ST POINT+FLOW	1ST POINT NATURAL FLOW	1ST POINT NATURAL FLOW	Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	TOTAL IRRIGATION	POOL LOSS	RECREATION	GROUP FLOW	FRIANT-KERN	INFLOW	DAY
End of Previous Month	2564.50	195,516	98,573	***	***	***	540	***	***	98,573	83,355	***	***	***	***	***	
1	2564.51	195,579	98,604	20	465	1	517	517	517	98,604	83,386	2	0	0	0	1	
2	2564.52	195,645	98,638	9	465	1	509	509	509	98,638	83,420	1	0	0	0	2	
3	2564.53	195,841	98,737	2	471	1	573	573	573	98,737	83,519	0	0	0	0	3	
4	2564.57	196,627	99,133	7	487	1	891	891	891	99,133	83,915	1	0	0	0	4	
5	2564.98	198,664	100,160	9	555	1	1,602	1,602	1,602	100,160	84,942	1	0	0	0	5	
6	2565.17	199,918	100,792	11	661	1	1,305	1,305	1,305	100,792	85,574	1	0	0	0	6	
7	2565.26	200,513	101,092	27	637	1	965	871	871	100,998	85,780	3	0	0	0	7	
8	2565.27	200,579	101,125	25	624	1	683	788	788	101,136	85,918	2	0	0	0	8	
9	2565.29	200,712	101,192	22	625	1	715	694	694	101,172	85,954	2	0	0	0	9	
10	2565.31	200,845	101,259	20	567	1	655	667	667	101,251	86,033	2	0	0	0	10	
11	2565.34	201,044	101,360	25	504	1	631	635	635	101,356	86,138	2	0	0	0	11	
12	2565.37	201,244	101,461	27	491	1	620	608	608	101,445	86,227	3	0	0	0	12	
13	2565.39	201,377	101,528	27	479	1	574	597	597	101,535	86,317	3	0	0	0	13	
14	2565.42	201,576	101,628	18	479	1	598	563	563	101,600	86,382	2	0	0	0	14	
15	2565.43	201,643	101,662	16	466	1	517	543	543	101,660	86,442	2	0	0	0	15	
16	2565.44	201,709	101,695	16	465	1	515	532	532	101,710	86,492	2	0	0	0	16	
17	2565.46	201,843	101,763	22	473	1	564	545	545	101,759	86,541	2	0	0	0	17	
18	2565.48	201,976	101,830	22	466	1	556	537	537	101,807	86,589	2	0	0	0	18	
19	2565.48	201,976	101,830	25	464	1	490	545	545	101,862	86,644	2	0	0	0	19	
20	2565.51	202,174	101,929	20	468	2	589	532	532	101,904	86,686	2	0	0	0	20	
21	2565.52	202,241	101,963	11	472	1	518	556	556	101,976	86,758	1	0	0	0	21	
22	2565.54	202,374	102,030	18	476	1	562	519	519	102,000	86,782	2	17	17	0	22	
23	2565.53	202,308	101,997	29	480	1	477	510	510	102,000	86,782	3	52	52	0	23	
24	2565.53	202,308	101,997	23	467	1	491	503	503	102,012	86,794	2	54	54	0	24	
25	2565.54	202,374	102,030	27	479	1	540	504	504	102,009	86,791	3	54	54	0	25	
26	2565.54	202,374	102,030	20	460	1	481	498	498	102,026	86,808	2	57	57	0	26	
27	2565.54	202,374	102,030	23	449	1	473	483	483	102,036	86,818	2	82	82	0	27	
28	2565.54	202,374	102,030	27	466	1	494	521	521	102,063	86,845	3	124	124	0	28	
29	2565.57	202,574	102,131	9	484	1	595	562	562	102,131	86,913	1	172	172	0	29	
30	2565.82	204,246	102,974	2	573	2	1,420	1,420	1,420	102,974	87,756	0	144	144	0	30	
31	2566.04	205,724	103,719	5	641	1	1,392	1,392	1,392	103,719	88,501	0	125	125	0	31	
TOTAL SECOND FOOT DAYS			564	15,769	33	21,512	21,512	21,512	*****	*****	*****	56	881				
TOTAL ACRE-FEET			1,119	31,277	65	42,668	42,668	42,668	205,724	175,540	111	1,748					

By: *Spel* Date: FEBRUARY 21, 1986

Final Revision of Report Dated February 10, 1986

Quantities in S.F.D. except where noted

FEBRUARY 1986

REPORT OF THE KERN RIVER WATERMASTER

ISABELLA RESERVOIR

END OF PREVIOUS MONTH	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE-Feet	S.F.D. LOSS	FIRST POINT REBULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+ LOSS-1ST POINT+FLOW ABOVE 1ST PT.	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT. K.R. FK-EXCH.	FRONT-KERN INFLOW	DRY
								TOTAL IRRIGATION	Recreation Pool + Dead Storage = 15,218 S.F.D. (38,184 ACFT)				
1	2566.13	206,331	14	675	1	996	996	104,825	66,807	1	133	0	1
2	2566.19	206,736	14	655	0	873	873	104,229	89,811	1	119	0	2
3	2566.21	206,871	14	647	1	731	765	104,332	89,114	1	91	0	3
4	2566.27	207,275	26	685	1	835	746	104,446	89,228	2	77	0	4
5	2566.29	207,411	28	573	1	671	721	104,565	89,347	3	78	0	5
6	2566.32	207,614	10	543	1	656	640	104,651	89,433	1	79	0	6
7	2566.34	207,750	8	517	0	594	599	104,725	89,507	1	94	0	7
8	2566.35	207,817	22	493	1	549	582	104,791	89,573	2	88	0	8
9	2566.38	208,021	14	484	1	682	613	104,965	89,687	1	81	0	9
10	2566.43	208,360	36	480	1	688	684	104,992	89,774	3	88	0	10
11	2566.44	208,428	14	471	1	521	577	105,083	89,865	1	49	0	11
12	2566.70	210,197	2	493	1	1,387	1,387	105,974	90,756	0	0	0	12
13	2568.69	224,032	22	693	1	7,692	7,692	112,990	97,732	2	0	0	13
14	2569.68	238,532	6	766	1	4,060	4,060	116,227	101,069	0	0	0	14
15	2570.69	238,463	9	896	1	4,904	4,904	120,225	105,007	1	0	0	15
16	2571.62	245,352	2	857	1	4,333	4,333	123,698	108,480	0	0	0	16
17	2572.28	250,310	13	773	1	3,287	3,287	126,198	110,980	1	23	0	17
18	2573.56	260,087	20	748	1	5,698	5,698	131,127	115,969	1	0	87	18
19	2575.46	274,991	18	763	1	8,296	8,296	138,641	123,423	1	0	98	19
20	2576.68	284,883	26	740	1	5,714	5,714	143,588	128,370	2	0	131	20
21	2577.43	290,929	33	719	1	3,842	3,842	146,677	131,459	2	0	126	21
22	2577.99	295,558	29	708	1	3,068	3,068	149,007	133,789	2	45	124	22
23	2578.45	299,374	19	754	1	2,701	2,701	150,934	135,716	1	56	124	23
24	2578.85	302,720	32	850	1	2,570	2,570	152,621	137,483	2	23	125	24
25	2579.24	306,084	32	890	1	2,579	2,579	154,277	139,059	2	11	125	25
26	2579.62	309,220	37	913	1	2,573	2,573	155,899	140,681	2	64	62	26
27	2579.99	312,371	37	951	1	2,577	2,577	157,487	142,269	2	79	62	27
28	2580.35	315,458	43	1,025	1	2,621	2,621	159,039	143,821	2	86	55	28
29	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	29
30	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	30
31	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	31

TOTAL SECOND FOOT DAYS	580	19,682	26	75,680	75,680	*****	40	1,384	1,119	13,577	
TOTAL ACRE-Feet	1,150	39,039	52	149,966	149,966	315,450	285,266	79	2,745	2,220	26,929

By: *SPU* Date: MARCH 10, 1986

Quantities in S.F.D. except where noted

MARCH 1986

REPORT OF THE KERN RIVER WATERMASTER

ISABELLA RESERVOIR

DAY	ELEVATION (FEET)	RESERVOIR STORAGE		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+LOSS-1ST POINT-FLOW	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	SECOND POINT GROUP FLOW AT 2ND PT.		FRIANT KERN INFLOW	F-KERN/ KAMEHAI TO INTERTIE	DAY	
		MIDNIGHT	S.F.D.						TOTAL	IRRIGATION		K. R. FK-EXCH.	F-KERN				
End of Previous Month	2580.35	315,450	159,039	***	***	2,621	***	***	159,039	143,821	***	***	***	***	***	***	***
1	2580.68	316,289	160,471	49	1,068	2	2,351	2,574	160,494	145,276	3	93	56	0	972	0	1
2	2581.81	321,139	161,908	37	1,144	1	2,619	2,541	161,853	146,635	2	81	56	0	972	0	2
3	2581.29	323,569	163,133	47	1,178	2	2,452	2,508	163,134	147,916	2	71	55	0	1,013	0	3
4	2581.57	325,008	164,362	30	1,194	1	2,454	2,432	164,341	149,123	1	97	56	0	968	0	4
5	2581.82	328,194	165,465	44	1,241	2	2,390	2,465	165,480	150,262	2	111	54	0	935	0	5
6	2582.07	330,388	166,571	50	1,276	2	2,434	2,424	166,576	151,358	2	182	51	0	913	0	6
7	2582.32	332,589	167,680	45	1,293	1	2,448	2,443	167,680	152,462	2	154	48	0	917	0	7
8	2583.41	342,277	172,565	3	1,314	2	6,204	6,204	172,565	157,347	0	171	40	162	1,125	0	8
9	2584.37	350,965	176,925	36	1,129	2	5,327	5,327	176,925	161,707	2	120	34	338	1,400	0	9
10	2585.31	359,582	181,249	3	1,307	2	5,635	5,635	181,249	166,031	0	141	34	365	1,292	0	10
11	2586.07	366,512	184,783	13	1,261	1	4,889	4,889	184,783	169,565	1	159	42	456	1,233	0	11
12	2586.76	372,536	188,022	26	1,091	2	4,358	4,358	188,022	172,004	1	111	51	429	1,149	0	12
13	2587.30	378,003	190,577	8	1,018	2	3,583	3,583	190,577	175,359	0	55	52	509	1,278	0	13
14	2587.76	382,345	192,766	35	1,057	2	3,283	3,283	192,766	177,548	1	41	48	568	1,085	0	14
15	2588.18	386,334	194,777	19	1,146	1	3,177	3,177	194,777	179,559	1	117	63	638	1,288	0	15
16	2588.54	389,766	196,507	11	1,334	2	3,077	3,077	196,507	181,289	0	223	67	633	1,316	0	16
17	2588.61	392,351	197,810	22	1,406	1	2,732	2,695	197,773	182,555	1	280	56	584	1,304	0	17
18	2589.04	394,560	198,924	41	1,463	3	2,621	2,621	198,887	183,669	2	204	22	678	1,234	360	18
19	2589.24	396,487	199,896	46	1,489	2	2,589	2,560	199,910	184,692	2	175	30	678	1,285	424	19
20	2589.42	398,223	200,771	46	1,627	2	2,550	2,584	200,619	185,681	2	300	48	682	1,252	433	20
21	2589.59	399,866	201,599	41	1,822	2	2,693	2,785	201,659	186,441	2	300	166	755	1,230	543	21
22	2589.79	401,804	202,376	41	1,853	2	2,873	2,850	202,613	187,395	2	300	188	747	1,259	531	22
23	2590.00	403,846	203,606	38	1,913	2	2,963	2,963	203,623	188,485	1	300	192	772	1,264	577	23
24	2590.19	405,636	204,539	58	2,040	3	3,034	3,003	204,525	189,307	2	350	173	824	1,140	455	24
25	2590.35	407,354	205,374	52	2,184	2	2,993	3,041	205,408	190,198	2	377	123	559	900	442	25
26	2590.54	409,114	206,262	58	2,147	2	3,095	3,113	206,314	191,096	2	350	64	582	931	347	26
27	2590.74	410,977	207,201	66	2,242	3	3,250	3,348	207,351	192,133	2	369	46	619	922	427	27
28	2591.00	413,630	208,539	53	2,306	2	3,699	3,454	208,444	193,226	2	389	0	651	932	480	28
29	2591.21	415,699	209,582	70	2,297	2	3,412	3,670	209,745	194,527	3	488	0	661	937	482	29
30	2591.52	418,761	211,125	47	2,308	2	3,900	3,737	211,125	195,987	2	635	4	682	941	184	30
31	2591.83	421,836	212,676	36	2,385	3	3,895	3,895	212,676	197,458	1	350	85	565	947	282	31
TOTAL SECOND FOOT DAYS				1,171	48,373	60	103,241	103,241	*****	*****	48	7,014	2,012	13,850	34,254	5,967	
TOTAL ACRE-FEET				2,323	95,946	120	204,775	204,775	421,836	391,652	95	13,913	3,991	27,470	67,941	11,835	

By: *SAL* Date: April 21, 1986

Final Revision of Report Dated April 15, 1986

Quantities in S.F.D. except where noted

MARCH 1966

REPORT OF THE KERN RIVER WATERMASTER

BUENA VISTA WATER STORAGE DISTRICT

DAY	NORTH KERN WATER STORAGE DISTRICT				BUENA VISTA WATER STORAGE DISTRICT				HACIENDA WATER DISTRICT				RESERVOIR				
	FLOW		RESERVOIR		FLOW		RESERVOIR		FLOW		RESERVOIR		ENTITLEMENT		RESERVOIR		
	AT 1ST POINT	AT 2ND POINT	LOSS	STORAGE	VIA	VIA	AT 2ND POINT	AT 2ND POINT	LOSS	STORAGE	VIA	VIA	FOR AT 2ND POINT	FOR AT 2ND POINT	LOSS	STORAGE	
1	1,422	924	0	36	105,215	1,152	93	0	12	37,049	0	0	0	0	1	2,551	
2	1,793	998	0	27	106,444	748	65	1	9	37,641	0	0	0	0	1	2,550	
3	1,773	1,026	0	34	107,157	735	81	1	12	38,211	0	0	0	0	1	2,548	
4	1,726	1,021	1	22	107,839	706	76	0	8	38,736	0	0	0	0	0	2,548	
5	1,723	1,054	0	32	108,476	703	76	111	11	39,240	0	0	0	0	1	2,546	
6	1,721	1,066	1	36	109,094	703	100	102	1	39,719	0	0	0	0	1	2,545	
7	1,733	1,070	0	32	109,725	710	69	154	0	40,194	0	0	0	0	1	2,543	
8	3,776	1,112	1	2	112,366	2,428	31	171	1	42,418	0	0	0	0	0	2,543	
9	3,370	956	0	25	114,775	2,105	53	120	1	44,339	52	0	0	1	1	2,533	
10	1,619	1,109	1	2	115,202	2,157	57	141	0	46,297	1,860	0	0	1	0	4,492	
11	1,460	1,059	0	9	115,574	1,762	43	159	1	47,852	1,537	0	0	0	0	6,039	
12	1,373	943	1	18	116,085	1,547	27	111	0	49,244	1,438	0	0	1	1	7,475	
13	1,214	936	0	6	116,357	1,187	37	55	1	50,346	1,182	0	0	1	0	8,656	
14	1,144	999	1	23	116,478	1,056	17	41	1	51,333	1,083	0	0	0	2	9,737	
15	1,110	1,025	0	13	116,558	1,011	4	117	0	52,218	1,048	0	0	1	1	10,783	
16	1,094	1,111	1	7	116,533	968	0	223	1	52,959	1,015	0	0	0	1	11,797	
17	995	1,126	0	15	116,387	811	0	200	0	53,484	889	0	0	1	1	12,684	
18	975	1,259	1	26	116,076	781	0	204	1	54,048	865	0	0	1	3	13,545	
19	959	1,308	1	30	115,696	756	6	175	1	54,609	845	0	0	0	3	14,387	
20	965	1,323	1	29	115,308	766	4	300	0	55,057	853	0	0	1	3	15,236	
21	997	1,519	1	26	114,759	815	3	300	1	55,556	893	0	0	0	3	16,136	
22	1,035	1,549	1	26	114,218	874	4	300	0	56,114	941	0	0	1	3	17,063	
23	1,066	1,611	1	24	113,648	919	2	300	1	56,719	978	0	0	0	3	18,038	
24	1,076	1,682	1	36	113,065	936	8	350	1	57,279	991	0	0	1	5	19,023	
25	1,085	1,723	1	31	112,335	952	4	377	0	57,834	1,004	0	0	1	5	20,021	
26	1,103	1,792	1	34	111,611	983	5	350	1	58,443	1,027	0	0	0	6	21,042	
27	1,159	1,866	1	39	110,864	1,004	7	369	1	59,130	1,105	0	0	1	7	22,139	
28	1,185	1,897	1	31	110,120	1,129	20	389	0	59,834	1,140	0	0	1	6	23,272	
29	1,233	1,788	1	41	109,523	1,226	21	488	1	60,529	1,211	0	0	0	6	24,475	
30	1,247	1,652	1	26	109,091	1,257	21	635	0	61,115	1,233	0	0	1	6	25,701	
31	1,282	1,930	1	20	108,422	1,328	25	350	1	62,056	1,285	0	0	1	5	26,980	
S.F.D.	44,421	40,434	22	758	106,422	34,295	0	925	19	334	62,056	24,325	0	0	0	79	26,980
AC.F.T.	88,107	80,198	44	1,504	215,052	68,023	0	1,835	38	662	123,086	48,645	0	0	0	157	53,514
TOTAL ACRE-FOOT STORAGE DAYS																737,133	
TOTAL ACRE-FOOT STORAGE DAYS																3,113,260	

DAY	ELEVATION (FEET)	RESERVOIR STORAGE		LOSS S.F.D.	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+ LOSS-1ST POINT+FLOW ABOVE 1ST PT.	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	SECOND POINT GROUP FLOW AT 2ND PT.		F-KERN/ KERN KAWESHA TO INTERTIE	
		MIDNIGHT	S.F.D.						Recreation Pool + Dead Storage = 15,218 S.F.D. (30,194 ACF)	IRRIGATION		K.R. FK-EXCH.	***		***
End of Previous Month	2591.83	421,836	212,676	***	***	***	3,895	***	212,676	197,458	***	***	***	***	
1	2592.20	425,521	214,534	45	2,322	4	4,229	4,079	214,384	199,166	2	445	0	425	
2	2592.46	428,119	215,843	59	2,407	4	3,779	3,912	215,866	200,600	2	365	82	323	
3	2592.70	430,524	217,066	62	2,448	5	3,728	3,711	217,022	201,804	2	478	0	265	
4	2592.92	432,734	218,170	65	2,444	4	3,627	3,619	218,128	202,910	2	430	0	282	
5	2593.12	434,748	219,186	43	2,439	4	3,582	3,586	219,148	203,930	1	446	0	232	
6	2593.30	436,564	220,181	20	2,449	4	3,388	3,373	220,048	204,838	1	489	9	194	
7	2593.44	437,980	220,815	71	2,448	5	3,238	3,212	220,744	205,526	2	394	0	231	
8	2593.53	438,890	221,274	57	2,497	4	3,017	3,047	221,233	206,015	2	301	0	150	
9	2593.57	439,295	221,478	66	2,619	4	2,893	2,976	221,520	206,302	2	369	0	16	
10	2593.61	439,701	221,683	57	2,751	4	3,017	3,010	221,718	206,500	2	378	0	0	
11	2593.66	440,209	221,939	74	2,786	5	3,121	3,122	221,975	206,757	2	402	0	0	
12	2593.73	440,920	222,297	86	2,780	4	3,228	3,185	222,296	207,072	3	481	0	0	
13	2593.79	441,527	222,683	69	2,827	4	3,206	3,211	222,681	207,383	2	519	0	0	
14	2593.82	441,832	222,757	92	2,950	4	3,200	3,158	222,713	207,495	3	458	0	0	
15	2593.81	441,730	222,706	75	3,040	5	3,069	3,094	222,687	207,469	3	418	0	0	
16	2593.78	441,425	222,582	69	3,094	5	3,014	3,046	222,565	207,347	2	388	0	0	
17	2593.75	441,123	222,400	75	3,127	4	3,054	2,984	222,343	207,125	3	356	0	0	
18	2593.69	440,513	222,092	66	3,121	4	2,883	2,960	222,112	206,894	2	416	0	0	
19	2593.64	440,006	221,836	80	3,116	4	2,944	2,941	221,853	206,635	3	470	0	0	
20	2593.60	439,600	221,632	86	3,109	5	2,996	3,087	221,748	206,522	3	501	0	0	
21	2593.62	439,803	221,734	109	3,105	4	3,320	3,375	221,897	206,679	4	489	0	0	
22	2593.73	440,920	222,297	129	3,113	4	3,089	3,783	222,354	207,136	4	451	0	0	
23	2593.88	442,442	223,065	92	3,117	4	3,981	3,873	223,014	207,756	3	435	0	0	
24	2593.98	443,461	223,578	103	3,209	5	3,830	3,943	223,640	208,422	3	429	0	0	
25	2594.11	444,784	224,245	86	3,262	4	4,019	3,903	224,191	208,973	3	475	0	0	
26	2594.21	445,804	224,760	86	3,256	4	3,861	3,858	224,783	209,465	3	538	0	0	
27	2594.27	446,415	225,068	129	3,251	4	3,692	3,863	225,182	209,964	4	570	0	0	
28	2594.40	447,745	225,738	113	3,248	5	4,036	4,131	225,947	210,729	4	555	0	0	
29	2594.65	450,304	227,028	116	3,254	4	4,664	4,455	227,028	211,010	4	538	0	0	
30	2594.89	452,768	228,271	110	3,247	4	4,684	4,684	228,271	213,053	4	503	0	0	
31	*****														
TOTAL	SECOND	FOOT	DAYS	2,390	86,828	128	104,941	104,941	*****	80	13,507	91	2,102	3,640	1,888
TOTAL	ACRE-FOOT	4,740	172,221	255	200,147	200,147	452,768	422,584	159	26,790	180	4,170	7,617	3,745	

By: *[Signature]* Date: May 22, 1986

Final Revision of Report Dated May 19, 1986

NORTH KERN WATER STORAGE DISTRICT										BUENA VISTA WATER STORAGE DISTRICT										HACIENDA WATER DISTRICT																															
RESERVOIR					ENT'L					FLOW					RESERVOIR					ENTITLEMENT					FLOW					RESERVOIR																					
AT 1ST		FLOW		AT 2ND		LOSS		STORAGE		POINT		VIA		VIA		VIA		FOR		G.O.C.		AT 2ND		LOSS		STORAGE		POINT		CONTRIBUTED BY:		FOR		LOSS		STORAGE															
DAY	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT	POINT															
1	2,221	1,592	1	25	108,925	1,312	0	0	0	35	0	0	150	0	445	0	14	62,724	444	102	0	0	0	3	6	27,517	1	2,221	1,592	1	25	108,925	1,312	0	0	0	35	0	14	62,724	444	102	0	0	0	3	6	27,517			
2	2,151	1,851	1	33	109,191	1,238	0	0	0	41	0	0	150	0	365	0	18	63,388	425	98	0	0	0	3	8	28,029	2	2,151	1,851	1	33	109,191	1,238	0	0	0	41	0	18	63,388	425	98	0	0	0	3	8	28,029			
3	2,063	1,709	1	35	109,509	1,152	0	0	0	36	0	0	150	0	478	0	19	63,782	403	93	0	0	0	4	8	28,513	3	2,063	1,709	1	35	109,509	1,152	0	0	0	36	0	19	63,782	403	93	0	0	0	4	8	28,513			
4	2,022	1,742	1	36	109,752	1,113	0	0	0	24	0	0	150	0	430	0	20	64,173	394	90	0	0	0	3	9	28,965	4	2,022	1,742	1	36	109,752	1,113	0	0	0	24	0	20	64,173	394	90	0	0	0	3	9	28,965			
5	1,973	1,763	1	23	109,938	1,064	0	0	0	28	0	0	150	0	446	0	14	64,547	381	88	0	0	0	3	6	29,445	5	1,973	1,763	1	23	109,938	1,064	0	0	0	28	0	14	64,547	381	88	0	0	0	3	6	29,445			
6	1,911	1,785	1	11	110,052	1,011	0	0	0	25	0	0	150	0	489	0	6	64,888	367	84	0	0	0	3	3	29,890	6	1,911	1,785	1	11	110,052	1,011	0	0	0	25	0	6	64,888	367	84	0	0	0	3	3	29,890			
7	1,835	1,843	1	39	110,065	946	0	0	0	25	0	0	150	0	394	0	22	65,215	350	80	0	0	0	4	10	30,306	7	1,835	1,843	1	39	110,065	946	0	0	0	25	0	22	65,215	350	80	0	0	0	4	10	30,306			
8	1,760	2,021	1	31	109,712	879	0	0	0	24	0	0	150	0	301	0	18	65,600	332	76	0	0	0	3	8	30,703	8	1,760	2,021	1	31	109,712	879	0	0	0	24	0	18	65,600	332	76	0	0	0	3	8	30,703			
9	1,727	1,881	1	35	109,522	851	0	0	0	28	0	0	150	0	389	0	21	65,652	324	74	0	0	0	3	10	31,008	9	1,727	1,881	1	35	109,522	851	0	0	0	28	0	21	65,652	324	74	0	0	0	3	10	31,008			
10	1,743	1,997	1	31	109,236	864	95	0	0	32	0	0	150	0	378	0	18	65,784	328	75	0	0	0	3	8	31,400	10	1,743	1,997	1	31	109,236	864	95	0	0	32	0	18	65,784	328	75	0	0	0	3	8	31,400			
11	1,795	2,010	1	40	108,900	909	98	0	0	30	0	0	150	0	442	0	23	65,894	340	78	0	0	0	4	11	31,883	11	1,795	2,010	1	40	108,900	909	98	0	0	30	0	23	65,894	340	78	0	0	0	4	11	31,883			
12	1,825	1,939	1	46	108,819	934	98	0	0	36	0	0	150	0	441	0	27	65,960	346	80	0	0	0	3	13	32,293	12	1,825	1,939	1	46	108,819	934	98	0	0	36	0	27	65,960	346	80	0	0	0	3	13	32,293			
13	1,837	1,950	1	37	108,668	945	97	0	0	22	0	0	150	0	519	0	22	66,006	349	80	0	0	0	3	10	32,709	13	1,837	1,950	1	37	108,668	945	97	0	0	22	0	22	66,006	349	80	0	0	0	3	10	32,709			
14	1,813	2,134	1	49	108,297	923	92	0	0	26	0	0	150	0	458	0	29	66,004	343	79	0	0	0	3	14	33,114	14	1,813	2,134	1	49	108,297	923	92	0	0	26	0	29	66,004	343	79	0	0	0	3	14	33,114			
15	1,782	1,814	2	40	108,223	898	108	72	27	28	0	0	150	0	418	0	24	65,765	337	77	0	0	0	3	11	33,481	15	1,782	1,814	2	40	108,223	898	108	72	27	28	0	24	65,765	337	77	0	0	0	3	11	33,481			
16	1,761	1,730	1	36	108,217	878	133	124	68	23	0	0	150	0	348	0	22	65,316	331	76	0	0	0	4	11	33,814	16	1,761	1,730	1	36	108,217	878	133	124	68	23	0	22	65,316	331	76	0	0	0	4	11	33,814			
17	1,732	1,715	1	40	108,193	853	138	143	59	26	0	0	150	0	356	0	23	64,812	324	75	0	0	0	3	12	34,120	17	1,732	1,715	1	40	108,193	853	138	143	59	26	0	23	64,812	324	75	0	0	0	3	12	34,120			
18	1,720	1,575	1	34	108,203	844	134	143	55	16	0	0	150	0	416	0	21	64,273	322	74	0	0	0	3	11	34,418	18	1,720	1,575	1	34	108,203	844	134	143	55	16	0	21	64,273	322	74	0	0	0	3	11	34,418			
19	1,710	1,652	1	42	108,218	838	121	143	59	14	0	0	150	0	470	0	25	63,734	320	73	0	0	0	3	13	34,683	19	1,710	1,652	1	42	108,218	838	121	143	59	14	0	25	63,734	320	73	0	0	0	3	13	34,683			
20	1,779	1,642	1	46	108,308	895	120	148	60	18	0	0	150	0	501	0	26	63,249	336	77	0	0	0	4	14	34,965	20	1,779	1,642	1	46	108,308	895	120	148	60	18	0	26	63,249	336	77	0	0	0	4	14	34,965			
21	1,912	1,690	1	58	108,471	1,012	111	124	64	22	18	0	150	0	489	0	33	62,920	367	84	0	0	0	3	18	35,288	21	1,912	1,690	1	58	108,471	1,012	111	124	64	22	18	33	62,920	367	84	0	0	0	3	18	35,288			
22	2,059	1,614	1	69	108,846	1,149	83	173	68	27	94	86	150	0	451	0	39	62,641	403	92	0	0	0	3	21	35,649	22	2,059	1,614	1	69	108,846	1,149	83	173	68	27	94	86	150	0	39	62,641	403	92	0	0	0	3	21	35,649
23	2,134	1,659	1	49	109,271	1,221	82	148	68	33	90	89	150	0	435	0	28	62,408	421	97	0	0	0	3	15	36,037	23	2,134	1,659	1	49	109,271	1,221	82	148	68	33	90	89	150	0	28	62,408	421	97	0	0	0	3	15	36,037
24	2,164	1,729	1	59	109,650	1,252	131	158	67	29	94	83	150	0	429	0	31	62,338	429	98	0	0	0	4	17	36,434	24	2,164	1,729	1	59	109,650	1,252	131	158	67	29	94	83	150	0	31	62,338	429	98	0	0	0	4	17	36,434
25	2,146	1,703	1	45	110,047	1,235	117	163	64	25	93	84	150	0	475	0	26	62,100	425	97	0	0	0	3	15	36,826	25	2,146	1,703	1	45	110,047	1,235	117	163	64	25	93	84	150	0	26	62,100	425	97	0	0	0	3	15	36,826
26	2,127	1,599	1	46	110,528	1,215	124	173	65	19	91	93	150	0	538	0	25	61,742	420	96	0	0	0	3	15	37,215	26	2,127	1,599	1	46	110,528	1,215	124	173	65	19	91	93	150	0	25	61,742	420	96	0	0	0	3	15	37,215
27	2,128	1,578	1	69	111,000	1,218	111	194	72	18	93	97	150	0	570	0	30	61,346	421	96	0	0	0	3	22	37,610	27	2,128	1,578																						

Quantities in S.F.D. except where noted

MAY 1986

REPORT OF THE KERN RIVER WATERMASTER

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+ LOSS+1ST POINT-FLOW ABOVE 1ST PT.	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS		2ND POINT GROUP FLOW AT 2ND PT.	FRONT-KERN INFLOW DAY
		MIDNIGHT ACRE-FOOT	S.F.D.						Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	TOTAL IRRIGATION	POOL LOSS	AT 2ND PT.		
End of Previous Month	2594.89	452,768	228,271	***	***	***	4,584	***	228,271	213,053	***	***	***	***
1	2595.16	455,548	229,672	89	3,250	6	4,746	4,816	229,742	214,524	3	475	1	
2	2595.46	458,647	231,235	134	3,253	5	4,955	4,858	231,210	215,992	4	472	2	
3	2595.75	461,652	232,750	181	3,256	6	4,878	4,904	232,751	217,533	3	474	3	
4	2596.04	464,663	234,268	182	3,252	6	4,878	4,661	234,052	218,834	3	508	4	
5	2596.21	466,436	235,162	81	3,247	6	4,228	4,355	235,073	219,855	3	596	5	
6	2596.33	467,687	235,792	84	3,239	5	3,958	3,942	235,687	220,469	3	636	6	
7	2596.39	468,314	236,108	84	3,233	6	3,639	3,678	236,042	220,824	3	639	7	
8	2596.41	468,523	236,214	90	3,236	5	3,437	3,477	236,188	220,970	3	613	8	
9	2596.41	468,523	236,214	111	3,239	6	3,356	3,455	236,287	221,069	3	598	9	
10	2596.45	468,942	236,425	117	3,237	6	3,571	3,464	236,391	221,173	4	584	10	
11	2596.47	469,151	236,538	117	3,237	6	3,465	3,488	236,511	221,293	4	577	11	
12	2596.48	469,256	236,583	111	3,236	5	3,485	3,553	236,712	221,494	3	552	12	
13	2596.56	470,091	237,004	129	3,234	6	3,790	3,680	237,023	221,805	4	536	13	
14	2596.65	471,034	237,400	135	3,228	5	3,844	4,080	237,735	222,517	4	524	14	
15	2596.88	473,446	238,696	148	3,236	6	4,686	4,241	238,586	223,368	5	488	15	
16	2597.05	475,232	239,596	130	3,238	6	4,274	4,493	239,785	224,487	4	516	16	
17	2597.28	477,655	240,818	130	3,240	7	4,599	4,643	240,971	225,753	4	580	17	
18	2597.68	481,036	242,522	186	3,240	5	5,055	5,014	242,634	227,416	3	597	18	
19	2597.96	484,854	244,447	143	3,314	7	5,389	5,368	244,538	229,320	4	556	19	
20	2598.35	489,003	246,539	153	3,411	5	5,661	5,536	246,505	231,287	5	556	20	
21	2598.73	493,065	248,587	98	3,406	7	5,559	5,376	248,370	233,152	3	563	21	
22	2598.99	495,853	249,993	86	3,410	6	4,968	5,057	249,325	234,787	3	579	22	
23	2599.21	498,217	251,185	182	3,483	7	4,784	4,725	251,138	235,980	3	608	23	
24	2599.48	500,262	252,216	130	3,398	5	4,564	4,782	252,307	237,089	4	615	24	
25	2599.64	502,853	253,522	130	3,396	7	4,639	4,941	253,715	238,497	4	644	25	
26	2599.98	506,534	255,378	165	3,393	5	5,419	5,354	255,506	240,288	5	627	26	
27	2600.38	510,888	257,569	141	3,466	6	5,065	5,778	257,670	242,452	4	653	27	
28	2600.81	515,571	259,934	166	3,573	6	6,110	6,169	259,894	244,876	5	696	28	
29	2601.32	521,163	262,753	154	3,610	7	6,590	6,463	262,786	247,568	4	715	29	
30	2601.84	526,894	265,643	139	3,655	5	6,689	6,656	265,643	250,425	4	715	30	
31	2602.48	533,100	268,771	143	3,691	7	6,969	6,969	268,771	253,553	4	718	31	
TOTAL SECOND FOOT DAYS				3,749	183,457	184	147,898	147,898	*****	*****	115	18,282		
TOTAL ACRE-FOOT				7,436	285,204	365	293,335	293,335	533,100	502,916	228	36,183		

By: *Gal* Date: JUNE 17, 1986

Quantities in S.F.D. except where noted

JUNE 1986

REPORT OF THE KERN RIVER WATERMASTER

ISABELLA RESERVOIR

DAY	ELEVATION (FEET)	MIDNIGHT STORAGE		LOSS S.F.D.	CHANGE IN STORAGE		FIRST POINT REBULGED FLOW	FLOW ABOVE 1ST PT.	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW	KERN RIVER TO INTERTIE	DAY
		ACRE-FEET	S.F.D.		LOSS+1ST POINT FLOW	POINT FLOW ABOVE 1ST PT.				RECREATION POOL + Dead Storage	IRRIGATION				
End of Previous Month	2602.40	533,100	268,771	***	6,969	***	***	***	***	268,771	263,553	***	***	***	***
1	2602.91	538,781	271,636	145	6,708	7	3,691	7	6,708	271,636	256,418	4	743	0	1
2	2603.36	543,817	274,175	186	6,536	7	3,804	7	6,536	274,175	258,957	5	797	0	2
3	2603.71	547,750	276,157	204	6,405	7	4,212	7	6,405	276,233	261,015	5	992	0	3
4	2604.03	551,356	277,975	140	6,635	8	4,669	8	6,370	277,786	262,568	4	1,448	343	4
5	2604.24	553,732	279,173	154	6,071	6	4,713	6	6,129	279,042	263,824	4	1,691	476	5
6	2604.41	555,656	280,143	161	5,680	8	4,541	8	5,670	280,002	264,784	4	1,553	123	6
7	2604.52	556,902	280,772	165	5,258	7	4,457	7	5,279	280,652	265,434	4	1,514	0	7
8	2604.57	557,469	281,067	154	4,899	7	4,453	7	5,016	281,064	265,836	4	1,477	0	8
9	2604.66	558,492	281,573	141	4,890	7	4,226	7	4,792	281,472	266,254	4	1,227	0	9
10	2604.72	559,175	281,918	168	4,066	8	4,066	8	4,703	281,933	266,715	4	1,031	0	10
11	2604.77	559,741	282,203	175	4,631	6	4,165	6	4,616	282,203	266,985	5	1,065	0	11
12	2604.82	560,311	282,490	172	4,648	8	4,181	8	4,648	282,490	267,272	4	1,033	0	12
13	2604.85	560,652	282,662	162	4,531	7	4,190	7	4,593	282,724	267,506	4	1,064	0	13
14	2604.92	561,450	283,065	189	4,119	7	4,119	7	4,555	283,964	267,746	5	1,208	0	14
15	2604.97	562,020	283,352	172	3,949	8	3,949	8	4,424	283,259	268,041	4	1,151	0	15
16	2604.98	562,134	283,409	162	4,140	8	3,913	8	4,219	283,395	268,177	4	1,121	0	16
17	2604.99	562,134	283,409	179	4,181	7	3,915	7	4,007	283,301	268,083	5	1,097	0	17
18	2604.91	561,336	283,007	155	4,018	8	4,018	8	3,866	282,986	267,768	4	1,064	0	18
19	2604.83	560,425	282,540	183	3,985	8	3,985	8	3,686	282,496	267,278	5	1,030	0	19
20	2604.74	559,403	282,032	182	3,888	7	3,888	7	3,600	282,019	266,801	5	1,016	0	20
21	2604.67	558,606	281,631	162	3,521	8	3,752	8	3,530	281,627	266,409	4	960	0	21
22	2604.60	557,010	281,229	155	3,507	8	3,746	8	3,537	281,255	266,037	4	880	0	22
23	2604.55	557,242	280,943	175	3,503	7	3,607	7	3,520	280,906	265,608	5	853	0	23
24	2604.51	556,788	280,714	189	3,501	8	3,501	8	3,540	280,756	265,538	5	880	0	24
25	2604.51	556,788	280,714	178	3,496	8	3,496	8	3,466	280,630	265,412	5	789	0	25
26	2604.40	556,450	280,544	178	3,322	7	3,322	7	3,460	280,503	265,365	5	736	0	26
27	2604.40	556,450	280,544	165	3,279	8	3,279	8	3,337	280,468	265,250	4	725	0	27
28	2604.45	556,110	280,372	182	3,224	8	3,206	8	3,166	280,238	265,020	5	727	0	28
29	2604.35	554,975	279,800	199	3,188	7	3,188	7	2,956	279,000	264,582	5	765	0	29
30	2604.19	553,166	278,888	154	3,328	8	3,328	8	2,578	278,000	263,670	4	814	0	30
31	*****														
TOTAL	SECOND	FOOT	DAYS	5,086	117,570	263	132,956	442	263,794	132,956	*****	133	31,447	942	
TOTAL	ACRE-FEET	10,088	233,197	442	263,794	263,794	553,166	522,982	1,068						

By: *[Signature]* Date: July 17, 1986

NORTH KERN WATER STORAGE DISTRICT				BUENA VISTA WATER STORAGE DISTRICT				HACIENDA WATER DISTRICT				RESERVOIR																																						
FLOW				FLOW				FLOW				CONTRIBUTED BY																																						
ENT'L	FLOW	RESERVOIR	ENT'L	VIA	VIA	AT 1ST	AT 2ND	VIA	VIA	AT 1ST	AT 2ND	RESERVOIR	CONTRIBUTED BY	RESERVOIR	RESERVOIR																																			
AT 1ST	POINT	LOSS	POINT	STMSD	CHD	POINT	POINT	KOMO	KOMO	POINT	POINT	LOSS	NUMSD	LOSS	LOSS																																			
DAY	POINT	STMSD	CHD	KOMO	KOMO	POINT	POINT	NUMSD	NUMSD	POINT	POINT	NUMSD	NUMSD	POINT	POINT																																			
End of Previous Month	**	***	**	**	**	**	**	**	**	**	**	***	**	**	**																																			
1	3,264	2,182	1	75	136,314	2,487	173	0	16	75	150	0	743	6	44	78,581	181	0	40	0	312	0	26	47,523																										
2	3,194	2,234	2	95	131,177	2,410	163	0	10	71	150	0	797	5	57	79,738	756	176	0	35	0	344	0	34	48,042																									
3	3,172	4,197	7	104	130,041	2,335	0	0	15	0	0	0	0	0	63	82,045	749	175	0	0	0	175	0	37	48,929																									
4	3,127	4,361	2	71	128,734	2,335	0	0	17	0	0	291	0	0	44	84,022	736	172	0	0	0	0	172	0	25	49,812																								
5	3,028	2,942	1	77	128,742	2,227	0	0	12	0	0	1,759	0	0	5	84,424	709	165	0	0	0	0	0	28	50,658																									
6	2,941	2,885	2	80	128,616	2,020	0	0	8	0	0	1,648	0	0	6	84,731	656	153	0	0	0	0	0	30	51,437																									
7	2,683	2,881	1	81	128,336	1,843	0	0	20	0	0	1,556	0	0	5	84,959	610	143	0	0	0	0	0	31	52,159																									
8	2,575	2,910	2	76	127,323	1,726	0	0	22	0	0	1,521	0	0	5	85,068	580	135	0	0	0	0	29	52,845																										
9	2,484	2,291	1	69	128,046	1,625	205	0	21	87	0	0	1,227	6	45	85,102	554	129	0	33	0	362	0	27	53,106																									
10	2,448	2,387	2	82	128,023	1,584	134	0	24	83	6	0	1,031	6	53	85,349	544	127	26	31	0	344	0	33	53,343																									
11	2,413	2,197	1	85	128,153	1,545	143	0	20	61	101	0	1,065	5	56	85,435	533	125	292	40	0	238	0	34	53,397																									
12	2,425	2,202	2	83	128,291	1,560	183	0	23	12	156	0	1,033	6	55	85,527	538	125	295	42	0	235	0	34	53,454																									
13	2,483	2,575	1	78	128,040	1,535	183	49	23	0	0	0	1,057	6	52	85,692	531	124	0	44	0	259	0	32	53,774																									
14	2,388	2,325	2	92	128,069	1,518	163	111	20	0	0	0	1,208	5	60	85,643	526	123	0	47	0	245	0	37	54,094																									
15	2,334	2,383	2	83	127,955	1,459	51	96	36	0	0	0	1,151	6	55	85,707	512	119	119	0	50	0	262	0	34	54,379																								
16	2,251	2,335	2	78	127,741	1,366	0	106	45	0	0	0	1,121	6	52	85,743	488	114	0	49	0	207	0	32	54,693																									
17	2,165	2,429	2	75	127,388	1,271	0	109	48	0	0	0	1,057	5	57	85,698	463	108	0	45	0	187	0	35	54,997																									
18	2,194	2,532	2	75	126,883	1,211	0	112	45	0	0	0	1,064	6	49	85,633	447	104	0	43	0	222	0	31	55,252																									
19	2,026	2,329	2	88	126,490	1,134	194	113	52	0	0	0	1,030	6	58	85,314	426	100	0	39	0	228	0	37	55,474																									
20	1,989	2,207	2	87	126,183	1,098	173	161	53	0	0	0	1,018	5	58	84,944	416	97	0	37	0	239	0	37	55,674																									
21	1,959	2,053	2	78	126,009	1,068	183	216	48	0	0	0	960	6	51	84,548	408	95	0	37	10	245	0	33	55,852																									
22	1,962	2,028	2	74	125,867	1,071	173	207	47	0	0	0	880	6	49	84,257	409	95	0	31	133	247	0	32	55,913																									
23	1,955	2,002	2	84	125,734	1,063	173	221	51	0	0	0	853	5	55	83,962	407	95	0	32	136	219	0	36	55,992																									
24	1,967	1,832	2	91	125,776	1,075	163	210	47	0	0	0	880	6	59	83,672	410	96	0	34	132	203	0	39	56,090																									
25	1,931	1,970	2	85	125,650	1,041	0	218	51	0	0	0	789	6	56	83,593	400	94	0	33	130	215	0	37	56,169																									
26	1,928	1,966	2	85	125,525	1,039	0	223	51	0	0	0	736	5	56	83,561	400	93	0	29	127	190	0	37	56,279																									
27	1,872	1,939	2	79	125,377	989	0	221	39	0	0	0	725	6	52	83,507	386	90	0	35	130	190	0	34	56,366																									
28	1,794	1,852	2	87	125,230	921	0	222	32	0	0	0	727	6	57	83,384	366	85	0	34	140	199	0	38	56,406																									
29	1,637	1,778	2	96	125,051	837	0	209	32	0	0	0	766	5	62	83,147	342	80	0	37	140	226	0	41	56,384																									
30	1,517	1,887	2	74	124,605	693	0	221	31	0	0	0	814	6	48	82,720	298	70	0	38	118	219	0	32	56,345																									
31	*****																31	*****																																
S.F.D.	69,896	72,061	59	2,479	124,605	44,136	2,457	3,025	967	389	563	6,775	22,772	164	1,605	82,720	15,376	3,588	613	915	1,196	5,837	0	1,002	56,345																									
AC.FT.	138,637	142,931	117	4,918	247,150	87,542	4,873	6,000	1,918	772	1,117	13,438	45,168	325	3,183	164,073	30,498	7,117	1,216	1,815	2,372	11,577	0	1,987	111,759																									
TOTAL ACRE-FOOT STORAGE DAYS																7,576,675	TOTAL ACRE-FOOT STORAGE DAYS																5,009,622	TOTAL ACRE-FOOT STORAGE DAYS																3,202,993

DAY	ISABELLA		RESERVOIR		FIRST POINT REBULGATED FLOW	FLOW ABOVE 1ST PT. ABOVE 1ST PT.	CHANGE IN STORAGE+ LOSS+1ST POINT+FLOW	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT. DAY						
	ELEVATION (FEET)	MIDNIGHT STORAGE	S.F.D.	LOSS					Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	TOTAL			IRRIGATION					
End of Previous Month	2604.19	553,156	278,888	***	***	2,578	***	278,888	263,670	***	***	***						
1	2604.02	551,243	277,918	186	3,470	8	2,694	2,694	262,700	5	813	1						
2	2603.91	550,003	277,293	218	3,434	8	3,035	3,013	262,053	6	695	2						
3	2603.81	548,875	276,725	247	3,281	8	2,968	3,008	261,525	7	614	3						
4	2603.74	548,088	276,328	233	3,175	9	3,060	2,978	261,086	6	599	4						
5	2603.68	547,412	275,987	153	3,126	8	2,946	2,853	260,652	4	602	5						
6	2603.55	545,949	275,249	174	3,149	8	2,593	2,638	259,959	5	624	6						
7	2603.38	544,041	274,287	163	3,167	8	2,376	2,448	259,029	4	631	7						
8	2603.17	541,688	273,101	235	3,198	8	2,255	2,239	257,827	6	599	8						
9	2602.93	539,004	271,748	202	3,230	8	2,067	2,116	256,583	5	547	9						
10	2602.67	536,184	270,286	205	3,256	8	2,007	2,060	255,094	6	480	10						
11	2602.43	533,433	268,939	197	3,227	8	2,085	2,115	253,777	5	479	11						
12	2602.23	531,213	267,820	179	3,184	9	2,253	2,217	252,622	5	522	12						
13	2602.03	528,995	266,782	207	3,217	8	2,314	2,263	251,453	6	536	13						
14	2601.80	526,452	265,420	214	3,282	8	2,222	2,197	250,146	6	504	14						
15	2601.54	523,584	263,974	171	3,322	8	2,055	2,044	248,689	5	461	15						
16	2601.23	520,176	262,256	213	3,351	8	1,854	1,872	246,989	6	506	16						
17	2600.98	516,557	260,431	173	3,350	8	1,706	1,702	245,180	5	524	17						
18	2600.55	512,732	258,583	176	3,290	8	1,546	1,607	243,293	5	499	18						
19	2600.22	509,140	256,692	169	3,202	8	1,568	1,558	241,472	5	519	19						
20	2599.90	505,666	254,940	193	3,110	9	1,560	1,551	239,711	6	570	20						
21	2599.58	502,204	253,195	73	3,188	8	1,524	1,538	237,980	2	547	21						
22	2599.25	498,647	251,401	90	3,225	9	1,530	1,611	236,267	3	545	22						
23	2598.98	495,745	249,938	125	3,108	8	1,778	1,660	234,686	4	518	23						
24	2598.70	492,744	248,425	131	3,047	8	1,673	1,710	233,210	4	498	24						
25	2598.42	489,751	246,916	207	2,972	8	1,678	1,584	231,687	6	476	25						
26	2598.12	486,554	245,304	151	2,853	9	1,481	1,475	230,069	5	484	26						
27	2597.81	483,260	243,644	161	2,839	8	1,348	1,358	228,419	5	477	27						
28	2597.49	479,874	241,937	154	2,870	9	1,326	1,385	226,691	5	472	28						
29	2597.16	476,391	240,181	153	2,836	8	1,241	1,296	224,990	5	412	29						
30	2596.84	473,026	238,484	183	2,827	8	1,321	1,294	223,266	6	379	30						
31	2596.49	469,368	236,636	176	2,905	8	1,241	1,241	221,418	5	371	31						
TOTAL SECOND FOOT DAYS											5,512	97,691	254	61,205	61,205	*****	158	16,503
TOTAL ACRE-FEET											10,933	193,767	504	121,398	121,398	*****	313	32,753

By: gal Date: AUGUST 13, 1986

DAY	NORTH KERN WATER STORAGE DISTRICT				BUENA VISTA WATER STORAGE DISTRICT				HACIENDA WATER DISTRICT				RESERVOIR								
	ENT'L FLOW		RESERVOIR		ENT'L FLOW		RESERVOIR		ENTITLEMENT		FLOW		RESERVOIR								
	AT 1ST POINT	AT 1ST ABOVE POINT	LOSS	STORAGE	AT 2ND POINT	AT 2ND ABOVE POINT	LOSS	STORAGE	Contributed by: KWASD	Contributed by: KWASD	FOR KONA I.D.#	FOR 2800 AC. BANKING POINT	LOSS	STORAGE							
End of Previous Month	**	124,685	***	758	**	813	***	82,720	**	**	**	**	**	56,345							
1	1,648	2,338	2	89	123,816	758	0	26	813	6	58	82,575	244	52	45	27	221	0	39	56,309	1
2	1,801	2,323	2	185	123,167	881	0	25	695	6	68	82,662	272	59	48	103	248	0	45	56,284	2
3	1,798	2,267	2	119	122,597	879	0	19	614	6	77	82,825	272	59	34	154	193	0	51	56,183	3
4	1,783	2,163	2	111	122,104	868	0	22	599	7	73	82,992	269	58	48	155	196	0	49	55,990	4
5	1,720	2,096	2	73	121,653	819	0	33	682	6	48	83,122	258	56	37	149	209	0	32	55,877	5
6	1,611	2,102	2	83	121,077	737	0	32	624	6	55	83,142	239	51	37	146	208	0	36	55,740	6
7	1,493	2,143	2	77	120,348	650	0	29	631	6	52	83,074	218	47	37	147	188	0	34	55,687	7
8	1,405	2,207	2	111	119,433	588	0	26	599	6	75	82,956	202	44	27	148	191	0	49	55,438	8
9	1,339	2,299	2	95	118,376	544	0	40	547	6	65	82,842	192	41	27	150	167	0	42	55,285	9
10	1,309	2,391	2	96	117,196	524	0	42	488	6	66	82,772	187	40	21	148	174	0	43	55,135	10
11	1,338	2,365	2	92	116,075	544	0	44	479	6	64	82,723	192	41	18	150	171	0	41	54,979	11
12	1,392	2,245	2	83	115,137	581	0	43	522	7	58	82,674	201	43	18	151	205	0	38	54,811	12
13	1,417	2,205	2	96	114,251	597	56	42	536	6	67	82,564	205	44	23	151	204	0	44	54,638	13
14	1,383	2,259	2	99	113,274	573	118	47	504	6	70	82,392	198	43	28	149	177	0	45	54,480	14
15	1,301	2,327	2	79	112,167	518	117	41	461	6	56	82,229	185	40	29	148	199	0	36	54,293	15
16	1,203	2,164	2	98	111,106	463	178	48	586	6	78	81,884	169	37	58	213	184	0	45	53,999	16
17	1,102	2,027	2	79	110,100	413	224	43	524	6	57	81,443	154	33	67	301	164	0	37	53,617	17
18	1,045	1,989	2	81	109,073	385	223	54	499	6	58	80,988	146	31	67	309	149	0	37	53,232	18
19	1,017	1,861	2	77	108,150	378	222	42	519	6	56	80,513	141	38	62	303	193	0	36	52,889	19
20	1,013	1,748	2	88	107,325	368	214	42	570	7	64	79,984	148	38	49	308	193	0	41	52,482	20
21	1,005	1,864	2	33	106,431	364	225	37	547	6	24	79,509	139	38	34	308	181	0	16	52,048	21
22	1,048	1,904	3	41	105,531	386	220	39	545	6	38	79,055	146	31	34	295	188	0	19	51,681	22
23	1,077	1,875	2	58	104,673	401	199	44	518	6	41	78,648	150	32	35	288	157	0	26	51,365	23
24	1,106	1,822	2	59	103,896	416	208	39	498	6	44	78,259	155	33	40	279	161	0	28	51,045	24
25	1,033	1,805	2	94	103,028	377	171	55	476	6	69	77,869	143	31	42	281	142	0	44	50,718	25
26	968	1,654	3	69	102,270	345	167	95	484	6	58	77,412	133	29	39	281	133	0	32	50,387	26
27	898	1,633	2	73	101,468	310	165	90	477	6	54	76,938	123	27	38	275	161	0	34	50,029	27
28	867	1,650	2	70	100,685	295	207	85	472	7	51	76,463	118	25	38	268	158	0	33	49,683	28
29	861	1,667	2	70	99,727	292	206	88	412	6	51	75,932	118	25	41	257	165	0	32	49,331	29
30	861	1,712	2	83	98,791	291	203	86	379	6	61	75,468	117	25	35	254	158	0	39	48,987	30
31	829	1,768	2	79	97,779	275	206	96	371	6	59	75,005	113	24	35	257	188	0	38	48,614	31
S.F.D.	38,563	62,865	64	2,560	97,779	15,812	3,529	1,494	16,583	190	1,791	75,005	5,539	1,191	1,183	6,529	5,588	0	1,161	48,614	S.F.D.
AC.FT.	76,687	124,698	127	5,078	193,942	31,362	7,000	2,964	32,733	377	3,532	148,810	10,986	2,363	2,346	12,950	11,884	0	2,383	96,424	AC.FT.
TOTAL ACRES-FOOT STORAGE DAYS										TOTAL ACRES-FOOT STORAGE DAYS										TOTAL ACRES-FOOT STORAGE DAYS	
6,844,233										4,952,518										3,274,334	

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+LOSS+1ST POINT+FLOW ABOVE 1ST PT.	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS AT 2ND PT. DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE S.F.D.						RECREATION POOL + Dead Storage = 15,218 S.F.D. (30,194 ADFT)	TOTAL IRRIGATION	
End of Previous Month	2596.49	469,360	236,636	***	1,241	***	236,636	221,418	***	***
1	2596.13	465,681	234,741	186	2,914	8	1,228	234,756	219,538	6
2	2595.79	462,865	232,958	175	2,857	8	1,215	232,931	217,713	6
3	2595.43	459,336	231,078	174	2,871	9	1,223	231,100	215,882	6
4	2595.08	454,723	229,256	195	2,856	8	1,211	229,252	214,034	6
5	2594.74	451,229	227,495	190	2,784	9	1,222	227,450	212,232	6
6	2594.37	447,438	225,583	186	2,802	8	1,148	225,594	210,376	6
7	2594.01	443,764	223,731	182	2,776	8	1,082	223,710	208,492	6
8	2593.65	440,107	221,887	192	2,692	8	1,048	221,881	206,663	6
9	2593.30	436,564	220,101	184	2,621	8	1,027	220,111	204,893	6
10	2592.95	433,036	218,322	173	2,653	8	1,055	218,352	203,134	6
11	2592.63	429,822	216,702	186	2,569	9	1,144	216,691	201,473	6
12	2592.33	426,818	215,188	192	2,465	8	1,111	215,168	199,950	7
13	2592.05	423,825	213,679	195	2,357	9	1,052	213,668	198,450	7
14	2591.73	420,845	212,176	204	2,311	8	1,020	212,154	196,936	7
15	2591.44	417,971	210,727	180	2,217	8	956	210,678	195,452	6
16	2591.13	414,910	209,184	152	2,171	8	788	209,197	193,979	5
17	2590.83	411,957	207,695	152	2,158	8	829	207,682	192,464	6
18	2590.52	408,918	206,163	101	2,215	9	793	206,209	190,991	4
19	2590.23	406,086	204,735	147	2,206	8	933	204,741	189,523	5
20	2589.95	403,360	203,361	150	2,169	8	953	203,322	188,104	6
21	2589.65	400,448	201,893	150	2,148	9	839	201,878	186,668	6
22	2589.36	397,643	200,478	169	2,035	8	797	200,472	185,254	6
23	2589.09	395,041	199,167	149	1,937	8	783	199,132	183,914	6
24	2588.82	392,447	197,859	148	1,834	8	682	197,868	182,650	6
25	2588.55	389,862	196,556	164	1,843	9	713	196,535	181,317	6
26	2588.26	387,094	195,160	167	1,874	8	653	195,191	179,973	7
27	2587.98	384,433	193,818	137	1,945	8	748	193,796	178,578	5
28	2587.69	381,685	192,433	146	1,915	8	684	192,421	177,203	6
29	2587.41	379,040	191,099	162	1,814	8	650	191,097	175,879	7
30	2587.17	376,781	189,961	148	1,656	8	644	189,961	174,743	6
31	2586.94	374,623	188,873	145	1,558	8	615	188,873	173,655	6
TOTAL SECOND FOOT DAYS			5,181	71,145	255	28,818	28,818	*****	*****	186
TOTAL ACRE-FEET			10,276	141,114	505	57,160	57,160	374,623	344,439	369

By: *Gal* Date: SEPTEMBER 11, 1966

DAY	NORTH KERN WATER STORAGE DISTRICT				BUENA VISTA WATER STORAGE DISTRICT				HACIENDA WATER DISTRICT				RESERVOIR								
	FLOW		RESERVOIR		FLOW		RESERVOIR		FLOW		RESERVOIR		RESERVOIR								
	ENT'L AT 1ST POINT	FLOW ABOVE 1ST POINT	LOSS	STORAGE	ENT'L AT 2ND POINT	VIA CAD	VIA KOMD	AT 2ND POINT	ABOVE 1ST POINT	LOSS	STORAGE	ENT'L AT 1ST POINT	FLOW ABOVE 1ST POINT	LOSS	STORAGE						
	***	***	***	***	***	**	**	***	**	**	***	**	**	**	**	***					
End of Previous Month			97,779	75,025												48,614					
1	933	2,056	84	96,570	295	0	98	419	4	62	74,737	15	148	178	2	48	48,231				
2	924	1,992	79	95,421	291	0	90	446	3	59	74,430	0	150	179	3	37	47,862				
3	929	1,966	78	94,384	294	0	89	461	4	59	74,111	21	150	184	3	37	47,467				
4	921	1,973	87	93,163	290	0	93	450	3	66	73,789	35	148	157	3	42	47,082				
5	901	1,907	85	92,070	280	0	70	447	4	64	73,483	36	150	174	3	40	46,679				
6	873	1,937	82	90,922	267	0	65	448	3	64	73,170	41	152	159	3	40	46,284				
7	833	1,895	80	89,778	249	0	77	443	4	63	72,832	44	151	166	2	39	45,882				
8	820	1,821	85	88,690	243	0	79	437	3	66	72,498	41	152	162	3	41	45,483				
9	807	1,717	81	87,697	236	0	83	444	4	64	72,131	40	154	183	2	39	45,065				
10	828	1,622	76	86,825	247	0	189	462	3	60	71,664	39	148	193	3	37	44,645				
11	848	1,616	81	85,974	255	0	180	415	4	65	71,255	37	145	176	3	40	44,244				
12	847	1,568	84	85,167	255	0	155	367	3	67	70,918	35	146	154	3	41	43,865				
13	819	1,453	86	84,445	242	0	253	327	4	68	70,508	31	148	143	3	41	43,497				
14	783	1,450	89	83,687	226	0	254	331	4	72	70,073	33	100	145	2	43	43,176				
15	723	1,364	79	82,965	198	94	247	323	3	63	69,541	37	0	152	3	38	42,946				
16	680	1,230	66	82,347	178	180	259	311	4	54	68,911	36	0	155	2	32	42,721				
17	643	1,235	67	81,686	160	175	259	280	3	53	68,301	36	0	173	3	32	42,477				
18	676	1,287	45	81,028	176	183	268	308	4	35	67,687	37	0	140	3	21	42,276				
19	704	1,240	64	80,426	189	196	261	335	3	52	67,029	35	0	139	3	31	42,068				
20	715	1,164	66	79,989	193	201	287	348	4	52	66,330	33	0	136	2	32	41,865				
21	684	1,139	66	79,386	179	199	277	328	4	52	65,649	36	35	134	3	32	41,625				
22	645	1,061	74	78,894	161	159	268	296	3	59	65,025	30	70	151	3	36	41,335				
23	610	1,000	65	78,437	144	157	261	291	4	52	64,404	33	60	135	2	32	41,073				
24	590	906	65	78,054	136	153	256	290	3	51	63,787	21	63	145	3	32	40,809				
25	561	1,010	72	77,531	122	159	115	290	4	57	63,284	30	66	173	3	35	40,502				
26	576	1,023	73	77,009	129	132	110	282	3	58	62,858	37	144	176	3	36	40,106				
27	569	1,066	61	76,449	126	130	111	283	4	47	62,409	35	169	151	2	29	39,720				
28	569	1,008	65	75,943	125	132	111	312	3	50	61,926	35	170	147	3	31	39,334				
29	545	910	72	75,504	115	126	121	316	3	56	61,419	36	170	135	3	34	38,956				
30	535	785	66	75,186	110	118	100	301	4	51	60,955	32	166	124	3	31	38,600				
31	565	681	64	75,006	50	111	101	288	4	50	60,451	36	168	165	2	31	38,198				
S.F.D.	22,657	43,082	61	2,287	75,006	6,161	2,685	5,179	11,049	110	1,792	60,451	0	1,023	3,323	4,884	84	1,102	38,198		
AC.FT.	44,940	85,452	121	4,536	148,771	12,220	5,167	10,272	21,915	218	3,554	119,983	0	2,029	6,591	9,688	166	2,186	75,765		
																TOTAL ACRES-FOOT STORAGE DAYS	4,196,144			TOTAL ACRES-FOOT STORAGE DAYS	2,646,094

DAY	ELEVATION (FEET)	ISABELLA		RESERVOIR		FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+ LOSS+1ST POINT+FLOW ABOVE 1ST PT.	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS AT 2ND PT. DAY	
		MIDNIGHT	STORAGE	S.F.D.	LOSS					Recreation Pool + Dead Storage = 15,219 S.F.D. (30,194 ACFT)	TOTAL IRRIGATION	RECREATION POOL LOSS	2ND POINT GROUP FLOW
End of Previous Month	2586.94	374,623	188,873	***	***	***	615	***	***	188,873	173,655	***	***
1	2586.70	372,377	187,740	155	1,537	5	564	595	595	187,771	172,553	6	249
2	2586.47	370,231	186,658	151	1,582	5	556	605	605	186,638	171,420	6	247
3	2586.22	367,906	185,486	151	1,610	5	594	596	596	185,468	170,250	6	208
4	2585.99	365,773	184,411	154	1,455	5	539	579	579	184,433	169,215	7	137
5	2585.80	364,014	183,524	140	1,346	5	604	586	586	183,528	168,310	6	125
6	2585.63	362,446	182,733	153	1,249	5	616	567	567	182,688	167,470	7	142
7	2585.44	360,697	181,852	129	1,229	5	482	499	499	181,824	166,606	6	155
8	2585.22	358,677	180,833	162	1,251	5	399	420	420	180,836	165,608	7	150
9	2585.00	356,663	179,818	162	1,227	5	379	393	393	179,825	164,607	7	141
10	2584.80	354,835	178,896	108	1,209	5	400	414	414	178,917	163,699	5	148
11	2584.62	353,197	178,070	121	1,163	5	463	411	411	178,039	162,821	5	141
12	2584.43	351,471	177,200	134	1,100	5	369	379	379	177,179	161,961	6	154
13	2584.25	349,840	176,378	113	1,010	5	306	337	337	176,388	161,170	5	162
14	2584.07	348,211	175,556	120	1,032	5	335	322	322	175,563	160,335	6	158
15	2583.88	346,497	174,692	96	1,088	5	325	313	313	174,677	159,459	4	184
16	2583.68	344,698	173,785	113	1,069	5	280	341	341	173,831	158,613	5	189
17	2583.52	343,261	173,061	106	1,030	5	417	351	351	173,041	157,823	5	142
18	2583.35	341,739	172,294	112	1,007	5	357	366	366	172,283	157,065	5	131
19	2583.18	340,221	171,528	82	1,003	5	324	354	354	171,547	156,329	4	126
20	2583.03	338,882	170,853	82	969	5	381	371	371	170,862	155,644	4	151
21	2582.89	337,637	170,225	72	959	4	407	395	395	170,222	155,004	3	144
22	2582.74	336,306	169,554	82	980	5	396	400	400	169,555	154,337	4	111
23	2582.58	334,887	168,839	88	1,018	5	396	475	475	168,919	153,701	4	89
24	2582.47	333,915	168,349	7	1,110	5	632	458	458	168,255	153,037	0	144
25	2582.30	332,413	167,592	36	1,062	4	345	469	469	167,622	152,404	2	108
26	2582.16	331,180	166,970	81	968	5	432	443	443	167,011	151,793	4	91
27	2582.05	330,212	166,482	68	967	5	552	477	477	166,448	151,230	3	100
28	2581.92	329,072	165,907	65	953	5	448	510	510	165,935	150,717	3	97
29	2581.80	328,019	165,376	74	985	4	532	504	504	165,376	150,158	4	86
30	2581.68	326,970	164,847	90	898	5	464	464	464	164,847	149,629	4	53
31	*****												
TOTAL	SECOND FOOT DAYS	3,207	34,066	147	13,394	13,394	*****	143	4,263	326,970	296,786	284	8,456
TOTAL	ACRE-FOOT	6,361	67,589	292	26,567	26,567	*****	284	8,456	326,970	296,786	284	8,456

By: *Sal* Date: OCTOBER 14, 1986

DAY	ELEVATION (FEET)	MIDNIGHT STORAGE		RESERVOIR S.F.D.	LOSS	FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.								
		ACRE-Feet	S.F.D.					POINT-FLOW ABOVE 1ST PT	LOSS												
End of Previous Month	2581.68	326,970	164,847	164,847	***	***	***	464	***	***	164,847	149,629	***								
1	2581.62	326,445	164,583	164,583	72	749	3	560	543	543	164,566	149,348	4								
2	2581.39	324,440	163,572	163,572	51	1,465	4	510	537	537	163,582	148,364	3								
3	2581.14	322,267	162,476	162,476	62	1,572	4	542	549	549	162,493	147,275	3								
4	2580.89	320,101	161,394	161,394	89	1,595	4	596	579	579	161,384	146,165	5								
5	2580.63	317,857	160,253	160,253	88	1,639	3	599	564	564	160,218	145,000	5								
6	2580.35	315,450	159,039	159,039	61	1,646	4	497	533	533	159,040	143,822	3								
7	2580.09	313,224	157,917	157,917	67	1,554	4	503	480	480	157,895	142,677	4								
8	2579.83	311,005	156,798	156,798	50	1,505	4	440	493	493	156,829	141,511	3								
9	2579.58	308,881	155,728	155,728	30	1,574	3	537	487	487	155,709	140,491	2								
10	2579.31	306,594	154,575	154,575	53	1,581	4	485	513	513	154,584	139,366	3								
11	2579.04	304,317	153,427	153,427	100	1,563	3	518	492	492	153,410	138,192	5								
12	2578.78	302,133	152,325	152,325	73	1,496	4	471	478	478	152,315	137,097	4								
13	2578.53	300,040	151,270	151,270	49	1,447	3	444	455	455	151,271	136,053	3								
14	2578.29	298,039	150,261	150,261	75	1,381	4	451	424	424	150,235	135,017	4								
15	2578.03	295,879	149,172	149,172	72	1,392	3	378	419	419	149,187	133,969	4								
16	2577.78	293,811	148,130	148,130	98	1,369	4	429	386	386	148,102	132,884	6								
17	2577.54	291,832	147,132	147,132	68	1,279	3	352	404	404	147,156	131,938	4								
18	2577.32	290,025	146,221	146,221	81	1,257	4	431	390	390	146,204	130,986	5								
19	2577.09	288,142	145,272	145,272	48	1,283	3	385	428	428	145,298	130,080	3								
20	2576.87	286,348	144,367	144,367	61	1,308	4	468	423	423	144,348	129,130	4								
21	2576.63	284,397	143,384	143,384	45	1,351	3	416	455	455	143,404	128,186	3								
22	2576.40	282,534	142,444	142,444	57	1,359	4	480	463	463	142,447	127,229	3								
23	2576.19	280,839	141,590	141,590	48	1,296	3	493	466	466	141,566	126,348	3								
24	2575.97	279,070	140,698	140,698	70	1,243	4	425	442	442	140,691	125,473	4								
25	2575.77	277,465	139,889	139,889	47	1,167	3	408	423	423	139,897	124,679	3								
26	2575.58	275,946	139,123	139,123	69	1,128	4	435	439	439	139,135	123,917	4								
27	2575.40	274,513	138,400	138,400	60	1,134	3	474	440	440	138,378	123,160	4								
28	2575.21	273,003	137,639	137,639	47	1,120	4	410	416	416	137,623	122,405	3								
29	2575.01	271,418	136,840	136,840	65	1,095	3	364	391	391	136,851	121,633	4								
30	2574.82	269,918	136,084	136,084	47	1,102	4	397	386	386	136,084	120,866	3								
31	2574.63	268,423	135,330	135,330	46	1,090	3	385	385	385	135,330	120,112	3								
TOTAL SECOND FOOT DAYS													1,949	41,741	110	14,283	14,283	*****	114	4,519	
TOTAL ACRE-Feet													3,866	82,792	218	28,330	28,330	268,423	238,239	286	8,963

By: *[Signature]* Date: NOVEMBER 12, 1986

DAY	NORTH KERN WATER STORAGE DISTRICT				BUENA VISTA WATER STORAGE DISTRICT				ACIENDA WATER DISTRICT				RESERVOIR																						
	RESERVOIR		ENT'L		FLOW		RESERVOIR		ENTITLEMENT		FLOW		RESERVOIR		RESERVOIR																				
	AT 1ST POINT	LOSS	STORAGE	AT 1ST POINT	VIA CWD	VIA KOMD	VIA AT 2ND POINT	AT 2ND ABOVE 1ST POINT	LOSS	STORAGE	CONTRIBUTED BY: TRANS. LOSS	FOR 2800 AC. ABOVE 1ST POINT	FOR I.D.#4 BRANKING POINT	LOSS	STORAGE	DAY																			
End of Previous Month	**	***	56,501	***	**	**	***	**	***	50,091	**	**	**	**	***	32,937																			
1	543	555	1	33	66,535	0	70	24	14	0	24	49,359	5	0	53	28	2	15	32,834	1															
2	537	948	1	23	66,120	0	69	60	150	0	17	49,663	11	0	111	117	3	11	32,581	2															
3	549	943	2	29	65,695	0	106	66	138	0	20	49,333	7	62	148	102	2	13	32,247	3															
4	579	934	1	42	65,257	0	103	66	142	0	29	48,993	3	83	183	81	3	18	31,876	4															
5	564	901	1	41	64,918	0	103	71	149	0	29	48,641	7	81	186	141	2	18	31,441	5															
6	533	934	1	28	64,488	0	105	67	148	0	20	48,301	6	45	186	155	3	13	31,033	6															
7	480	965	2	31	63,970	0	67	60	147	0	22	48,005	5	10	201	99	2	14	30,702	7															
8	493	974	1	23	63,465	0	80	64	151	0	17	47,693	0	0	214	22	3	10	30,453	8															
9	487	996	1	14	62,941	0	118	61	151	0	10	47,353	0	34	203	11	2	6	30,197	9															
10	513	945	1	24	62,484	0	118	38	149	0	18	47,030	0	51	280	0	3	11	29,852	10															
11	492	853	1	47	62,075	0	119	4	125	0	33	46,748	0	60	401	0	2	20	29,369	11															
12	478	863	1	34	61,655	0	121	6	96	0	24	46,501	0	54	356	0	3	15	28,941	12															
13	455	883	1	23	61,203	0	122	17	77	0	16	46,269	0	53	295	0	2	10	28,581	13															
14	424	898	1	35	60,693	0	81	18	44	0	25	46,101	0	52	288	0	3	15	28,223	14															
15	419	877	1	34	60,200	0	83	19	45	0	24	45,930	0	53	315	0	2	14	27,839	15															
16	386	837	1	46	59,702	0	83	8	44	0	33	45,762	0	54	343	0	3	19	27,420	16															
17	404	773	1	32	59,300	0	68	8	41	0	23	45,622	0	59	330	0	2	13	27,016	17															
18	390	758	1	37	58,894	0	66	8	42	0	28	45,478	0	63	320	0	3	16	26,614	18															
19	428	783	1	23	58,515	0	66	6	46	0	16	45,344	0	58	324	0	2	9	26,221	19															
20	423	828	1	29	58,080	0	68	8	45	0	21	45,202	0	51	308	0	3	11	25,848	20															
21	455	814	1	22	57,698	0	67	9	112	0	15	44,999	0	47	302	0	2	8	25,489	21															
22	463	740	1	26	57,394	0	79	14	193	0	20	44,693	0	40	293	0	3	11	25,142	22															
23	466	547	1	22	57,290	0	76	46	250	0	17	44,304	0	45	332	0	2	9	24,794	23															
24	442	536	1	33	57,162	0	75	42	254	0	24	43,909	0	38	298	0	3	13	24,402	24															
25	423	521	1	22	57,041	0	75	14	242	0	16	43,562	0	45	270	0	2	9	24,076	25															
26	439	474	1	32	56,973	0	74	16	232	0	24	43,216	0	55	277	0	3	13	23,728	26															
27	440	522	1	28	56,862	0	33	20	244	0	21	42,898	0	60	265	0	2	11	23,400	27															
28	416	546	1	23	56,708	0	0	21	259	0	16	42,602	0	52	242	0	3	8	23,095	28															
29	391	529	1	31	56,538	0	0	18	265	0	22	42,297	0	50	233	0	2	12	22,798	29															
30	386	555	1	23	56,345	0	0	9	257	0	16	42,015	0	48	233	0	3	8	22,506	30															
31	385	557	1	22	56,150	0	0	8	266	0	16	41,725	0	42	217	0	2	8	22,237	31															
S.F.D.	14,283	23,789	33	912	56,150	0	2,295	896	4,519	0	656	41,725	0	44	1,445	7,997	756	77	381	22,237	S.F.D.														
AC.F.T.	28,330	47,185	65	1,809	111,373	0	4,552	1,778	8,963	0	1,301	82,760	0	87	2,866	15,862	1,499	153	756	44,106	AC.F.T.														
TOTAL ACRE-FOOT STORAGE DAYS																	3,713,871	TOTAL ACRE-FOOT STORAGE DAYS																	2,816,821
TOTAL ACRE-FOOT STORAGE DAYS																	1,687,764	TOTAL ACRE-FOOT STORAGE DAYS																	1,687,764

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		FIRST POINT REGULATED FLOW	FLOW ABOVE 1ST PT.	CHANGE IN STORAGE+LOSS-1ST POINT+FLOW ABOVE 1ST PT.	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS AT 2ND PT. DAY	
		MIDNIGHT STORAGE	S.F.D. STORAGE					Recreation Pool + Dead Storage = 15,218 S.F.D. (30,184 ACFT)	TOTAL IRRIGATION	RECREATION POOL LOSS	GROUP FLOW AT 2ND PT.
End of Previous Month	2574.63	268,423	135,330	***	***	385	***	135,330	120,112	***	***
1	2574.46	267,089	134,657	70	1,067	2	476	134,667	119,449	5	256
2	2574.33	266,071	134,144	63	943	2	472	134,131	118,913	4	242
3	2574.21	265,134	133,672	44	881	2	468	133,672	118,454	3	238
4	2574.11	264,354	133,279	47	798	2	437	133,282	118,044	3	239
5	2573.99	263,420	132,808	88	784	2	411	132,799	117,581	6	238
6	2573.87	262,487	132,337	75	771	2	374	132,325	117,107	5	238
7	2573.76	261,633	131,907	47	724	2	381	131,933	116,715	3	231
8	2573.68	261,015	131,595	37	696	2	406	131,604	116,386	3	231
9	2573.61	260,474	131,322	44	679	2	420	131,299	116,081	3	229
10	2573.51	259,701	130,933	47	726	1	396	130,921	115,703	3	226
11	2573.35	258,469	130,312	44	927	2	392	130,340	115,122	3	231
12	2573.20	257,317	129,731	46	971	2	399	129,720	114,502	3	253
13	2573.05	256,166	129,150	46	939	2	412	129,145	113,927	3	258
14	2572.90	255,020	128,573	37	929	2	403	128,580	113,362	3	247
15	2572.76	253,951	128,034	34	914	2	388	128,018	112,800	2	251
16	2572.62	252,887	127,497	28	870	2	425	127,543	112,325	2	253
17	2572.50	251,977	127,038	6	953	1	486	127,069	111,851	0	263
18	2572.42	251,370	126,732	28	869	2	593	126,721	111,503	2	205
19	2572.36	250,915	126,503	24	764	2	522	126,453	111,235	2	130
20	2572.27	250,234	126,160	34	719	1	411	126,154	110,936	2	104
21	2572.19	249,632	125,856	21	673	2	392	125,889	110,671	2	60
22	2572.14	249,254	125,666	27	651	2	490	125,633	110,415	2	64
23	2572.07	248,726	125,399	21	636	1	391	125,400	110,182	2	72
24	2572.00	248,201	125,135	39	617	2	394	125,171	109,953	3	41
25	2571.97	247,975	125,021	39	577	2	504	124,978	109,760	3	0
26	2571.92	247,599	124,831	21	544	2	377	124,844	109,626	2	0
27	2571.88	247,299	124,680	24	542	2	417	124,665	109,447	2	0
28	2571.83	246,924	124,491	21	539	1	372	124,496	109,278	2	0
29	2571.78	246,549	124,302	33	540	2	386	124,302	109,094	2	0
30	2571.72	246,101	124,076	39	559	1	373	124,076	108,858	3	0
31	*****										
TOTAL SECOND FOOT DAYS			1,174	22,802	54	12,776	12,776	*****	*****	83	4,820
TOTAL ACRE-Feet			2,329	45,227	107	25,341	25,341	246,101	215,917	165	9,560

By: *Gal* Date: DECEMBER 10, 1986

Quantities in S.F.D. except where noted

DECEMBER 1966

REPORT OF THE KERN RIVER WATERMASTER

DAY	ELEVATION (FEET)	ISABELLA RESERVOIR		RESERVOIR STORAGE		FIRST POINT REGULATED FLOW	CHANGE IN STORAGE		COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE		KERN COUNTY RECREATION POOL LOSS AT 3RD PT. DRY
		MIDNIGHT ACRE-FEET	S.F.D.	LOSS	STORAGE		LOSS+1ST POINT+FLOW ABOVE 1ST PT.	RECREATION POOL + DEAD STORAGE = 15,218 S.F.D. (30,184 ACFT)		TOTAL IRRIGATION		
End of Previous Month	2571.72	246,101	124,076	***	373	***	***	***	124,076	108,858	***	***
1	2571.65	245,577	123,812	20	569	1	326	346	123,632	108,614	1	0
2	2571.60	245,203	123,623	23	551	1	386	375	123,632	108,414	2	0
3	2571.58	245,054	123,548	26	462	1	414	405	123,548	108,330	2	0
4	2571.57	244,979	123,510	14	436	1	413	407	123,504	108,286	1	0
5	2571.56	244,904	123,473	9	421	1	394	420	123,493	108,275	1	0
6	2571.57	244,979	123,510	12	402	1	452	452	123,530	108,312	1	0
7	2571.60	245,203	123,623	9	388	1	511	465	123,597	108,379	1	0
8	2571.60	245,203	123,623	26	404	1	431	439	123,605	108,387	2	0
9	2571.59	245,128	123,585	20	392	1	375	399	123,591	108,373	1	0
10	2571.59	245,128	123,585	20	371	1	392	380	123,579	108,361	1	0
11	2571.58	245,054	123,548	20	389	1	373	389	123,558	108,340	1	0
12	2571.57	244,979	123,510	29	409	1	401	384	123,503	108,285	2	0
13	2571.56	244,904	123,473	9	404	1	377	400	123,489	108,271	1	0
14	2571.56	244,904	123,473	9	411	1	421	399	123,467	108,249	1	0
15	2571.55	244,829	123,435	26	409	1	398	391	123,422	108,204	2	0
16	2571.53	244,680	123,360	29	399	1	354	371	123,364	108,146	2	0
17	2571.52	244,606	123,322	26	373	1	362	350	123,314	108,096	2	0
18	2571.51	244,531	123,284	20	352	1	335	355	123,296	108,078	1	0
19	2571.50	244,458	123,248	26	378	1	369	375	123,266	108,048	2	0
20	2571.51	244,531	123,284	23	362	1	422	386	123,266	108,048	2	0
21	2571.51	244,531	123,284	12	355	1	368	386	123,284	108,066	1	0
22	2571.50	244,458	123,248	29	373	1	367	374	123,255	108,037	2	0
23	2571.50	244,458	123,248	23	364	1	388	381	123,248	108,030	2	0
24	2571.50	244,458	123,248	29	359	1	389	369	123,228	108,010	2	0
25	2571.49	244,383	123,210	14	353	1	330	368	123,228	108,010	1	0
26	2571.49	244,383	123,210	14	368	1	383	350	123,195	107,977	1	0
27	2571.48	244,309	123,173	14	358	1	336	368	123,190	107,972	1	0
28	2571.48	244,309	123,173	26	359	1	386	335	123,139	107,981	2	0
29	2571.46	244,160	123,097	14	345	1	294	345	123,124	107,906	1	0
30	2571.46	244,160	123,097	17	347	1	365	338	123,097	107,879	1	0
31	2571.45	244,085	123,060	20	342	0	325	325	123,060	107,842	1	0
TOTAL SECOND FOOT DAYS				608	12,205	30	11,827	11,827	*****	*****	44	0
TOTAL ACRE-FEET				1,206	24,208	60	23,458	23,458	244,085	213,901	87	0

By: *gal* Date: JANUARY 12, 1967

DAY	NORTH KERN WATER STORAGE DISTRICT				BUENA VISTA WATER STORAGE DISTRICT				HACIENDA WATER DISTRICT				RESERVOIR								
	ENT'L FLOW		RESERVOIR		ENT'L		VIA		VIA FOR ABOVE 1ST		RESERVOIR		ENTITLEMENT		FLOW		RESERVOIR				
	AT 1ST POINT	ABOVE 1ST POINT	LOSS	STORAGE	AT 1ST POINT	STORAGE	POINT	CHD	KOMD	I.D. #4	POINT	LOSS	STORAGE	CONTRIBUTED BY:	ABOVE 1ST POINT	LOSS	STORAGE	DAY			
	ENT'L	AT 1ST POINT	ABOVE 1ST POINT	LOSS	STORAGE	ENT'L	AT 1ST POINT	STORAGE	POINT	CHD	KOMD	I.D. #4	POINT	LOSS	STORAGE	CONTRIBUTED BY:	ABOVE 1ST POINT	LOSS	STORAGE	DAY	
	Previous Month	**	***	52,750	***	**	**	**	**	**	**	**	**	**	**	**	**	**	**	21,679	
1	346	566	1	10	52,519	0	3	0	0	0	0	0	0	6	34,420	0	4	21,675	1		
2	375	396	0	12	52,486	0	24	0	131	1	7	34,257	0	4	21,671	0	4	21,671	2		
3	405	283	1	13	52,594	0	35	0	144	0	8	34,070	0	5	21,666	0	5	21,666	3		
4	407	263	0	7	52,731	0	34	2	137	1	4	33,892	0	3	21,663	0	3	21,663	4		
5	420	328	1	4	52,818	0	0	9	84	0	3	33,796	0	2	21,661	0	2	21,661	5		
6	452	328	0	6	52,936	0	0	8	66	1	4	33,717	0	2	21,659	0	2	21,659	6		
7	465	325	1	4	53,071	0	0	5	58	0	3	33,651	0	2	21,657	0	2	21,657	7		
8	439	316	0	13	53,181	0	0	5	83	1	8	33,554	0	5	21,652	0	5	21,652	8		
9	399	342	1	10	53,227	0	0	2	48	0	6	33,498	0	4	21,648	0	4	21,648	9		
10	380	325	0	10	53,272	0	0	5	41	1	6	33,445	0	4	21,644	0	4	21,644	10		
11	389	354	1	10	53,296	0	0	5	30	0	6	33,404	0	4	21,640	0	4	21,640	11		
12	384	370	0	15	53,295	0	0	5	34	1	9	33,355	0	5	21,635	0	5	21,635	12		
13	400	363	1	4	53,327	0	0	5	36	0	3	33,311	0	2	21,633	0	2	21,633	13		
14	399	371	0	4	53,351	0	0	6	34	1	3	33,267	0	2	21,631	0	2	21,631	14		
15	391	374	1	13	53,354	0	0	10	25	0	8	33,224	0	5	21,626	0	5	21,626	15		
16	371	369	0	15	53,341	0	0	11	19	1	9	33,184	0	5	21,621	0	5	21,621	16		
17	350	336	1	13	53,341	0	0	12	25	0	8	33,139	0	5	21,616	0	5	21,616	17		
18	355	315	0	10	53,371	0	0	12	25	1	6	33,095	0	4	21,612	0	4	21,612	18		
19	375	320	0	13	53,413	0	0	10	48	0	8	33,029	1	5	21,606	1	5	21,606	19		
20	386	306	1	12	53,480	0	0	4	52	0	7	32,966	0	4	21,602	0	4	21,602	20		
21	386	304	0	6	53,556	0	0	4	47	1	4	32,910	0	2	21,600	0	2	21,600	21		
22	374	288	0	15	53,627	0	0	4	81	1	9	32,815	0	5	21,595	0	5	21,595	22		
23	381	310	1	12	53,685	0	0	4	50	0	7	32,754	0	4	21,591	0	4	21,591	23		
24	369	313	0	15	53,726	0	0	4	42	1	9	32,698	0	5	21,586	0	5	21,586	24		
25	368	305	0	7	53,782	0	0	5	43	0	4	32,646	1	3	21,582	1	3	21,582	25		
26	350	316	1	7	53,808	0	0	6	46	0	4	32,590	0	3	21,579	0	3	21,579	26		
27	368	303	0	7	53,866	0	0	6	49	1	4	32,530	0	3	21,576	0	3	21,576	27		
28	335	311	0	13	53,877	0	0	6	42	1	8	32,473	0	5	21,571	0	5	21,571	28		
29	345	289	1	7	53,925	0	7	6	43	0	4	32,413	0	3	21,568	0	3	21,568	29		
30	338	285	0	9	53,969	0	6	5	51	1	5	32,345	0	3	21,565	0	3	21,565	30		
31	325	299	0	10	53,985	0	7	0	36	0	6	32,296	0	4	21,561	0	4	21,561	31		
S.F.D.	11,827	10,273	13	306	53,985	0	116	166	1,650	15	186	32,296	0	0	0	0	2	116	21,561	S.F.D.	
AC.FT.	23,458	20,377	26	607	107,077	0	229	329	3,273	30	369	64,058	0	0	0	0	4	230	42,766	AC.FT.	
TOTAL ACRE-FOOT STORAGE DAYS		3,281,075		2,040,483		TOTAL ACRE-FOOT STORAGE DAYS		1,329,306		TOTAL ACRE-FOOT STORAGE DAYS		1,329,306		TOTAL ACRE-FOOT STORAGE DAYS		TOTAL ACRE-FOOT STORAGE DAYS		TOTAL ACRE-FOOT STORAGE DAYS		TOTAL ACRE-FOOT STORAGE DAYS	

