

KERN RIVER 1985



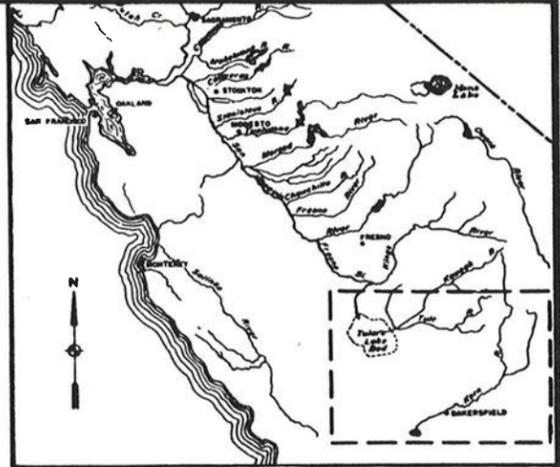
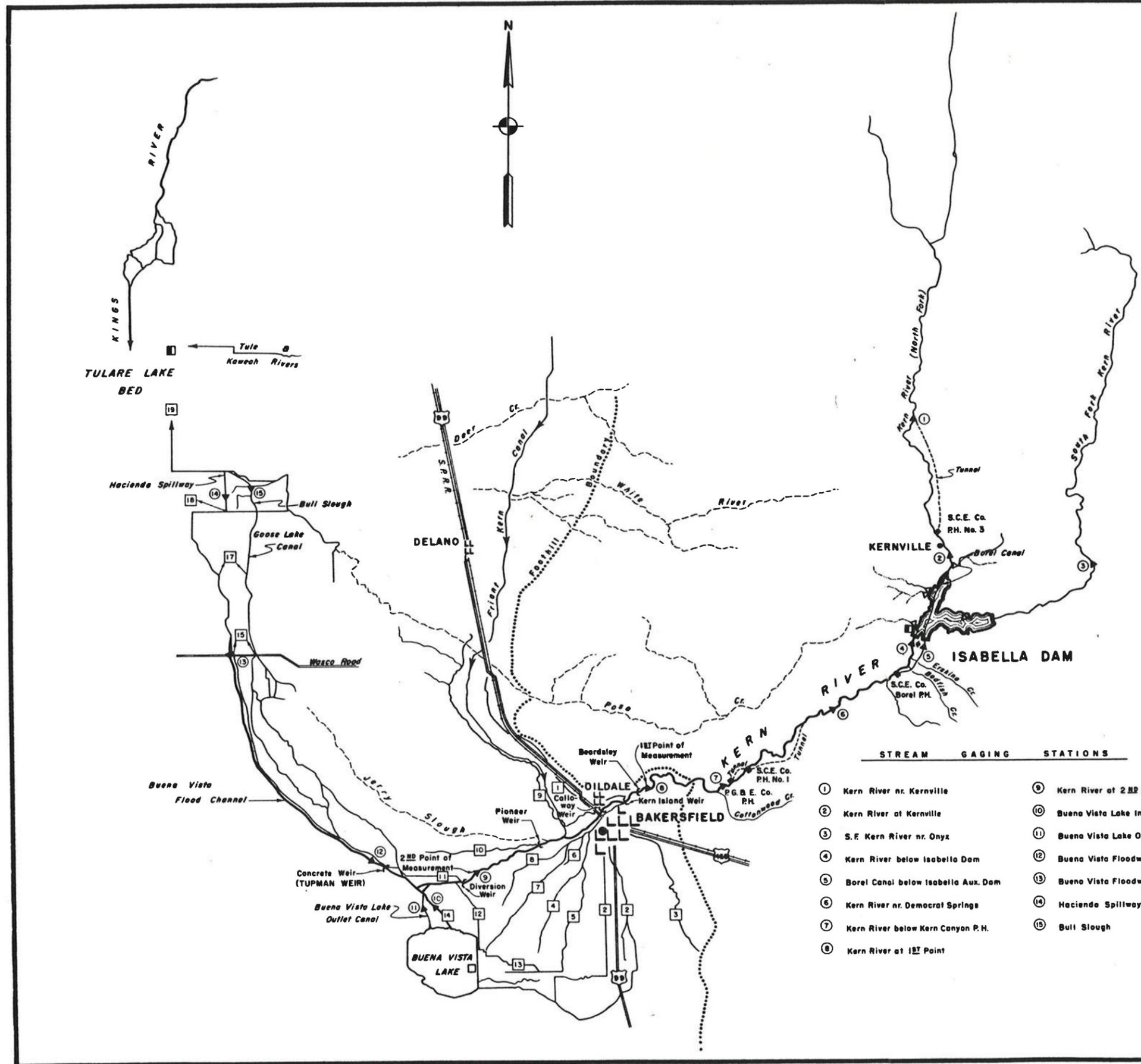
Prepared for:

ED STEINMETZ

HYDROGRAPHIC ANNUAL REPORT

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VICINITY MAP

SCALE 0 20 40 60 80 100 MILES

Area covered by map

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 Maple 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.F. 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 Horta 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 FIRST POINT OF MEASUREMENT

Quantities in Mean
Second Foot Days...

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Max.*	Min.*	Mean
	Measurements and Estimates were not made prior to September 29, 1893...														
1894	661	717	1001	1495	1607	1085	700	334	248	534	518	516	--	--	--
1895	808	1252	1374	2724	4369	2906	1482	629	344	327	346	403	2208	172	737
1896	747	617	951	972	1401	2456	1346	486	304	267	355	347	3611	223	854
1897	373	809	923	2914	4580	2309	1006	469	298	340	355	422	5342	260	1234
1898	363	434	388	710	735	551	244	120	116	160	166	199	1342	80	348
1899	263	302	590	893	835	1331	489	156	105	160	221	278	4932	86	468
1900	362	280	413	472	1111	1283	392	144	166	160	349	373	1969	101	459
1901	493	860	1270	1398	3032	3324	1864	968	345	317	377	323	4419	226	1216
1902	283	371	790	1805	1787	2165	706	312	197	199	281	269	3758	160	763
1903	350	454	579	1249	2148	2340	868	303	191	174	203	201	3374	150	755
1904	195	346	667	1005	1841	1746	646	467	267	438	286	241	3167	156	679
1905	281	396	823	1043	1915	2231	876	327	211	207	236	261	3247	165	735
1906	693	626	2063	2910	5859	7704	6503	2299	973	609	503	618	9684	222	2625
1907	678	1023	1354	3323	3252	3092	--	--	--	--	--	--	--	--	--
1908	--	--	1058	1333	1292	1013	681	527	366	349	306	298	--	--	--
1909	1926	2252	2092	4158	6223	6623	3169	1077	730	508	577	1176	11870	295	2540
1910	1196	881	1384	1729	2077	1335	684	394	289	309	317	325	4847	222	910
1911	622	971	1304	2321	3000	3732	2545	746	424	413	365	352	5383	273	1400
1912	379	370	457	626	1309	1696	539	271	183	192	198	192	3220	147	534
1913	212	283	410	714	1196	1021	568	512	426	218	258	270	1976	126	508
1914	1895	1127	1671	2436	3426	3379	2087	897	424	398	343	348	18287	285	1538
1915	366	545	789	1360	2025	2896	1260	401	277	235	250	314	4249	203	891
1916	2803	3521	6149	8096	7693	6583	3662	923	568	679	519	526	17962	274	3481
1917	653	808	1061	2123	2685	3153	1322	602	331	292	311	315	4331	267	1137
1918	308	334	782	1252	1280	2298	729	338	295	529	372	407	3478	227	744
1919	343	414	618	1455	2280	1375	559	265	197	225	233	298	4299	156	689
1920	280	314	657	1401	2584	2316	825	365	251	270	328	337	4456	196	827
1921	383	554	901	869	1628	2023	799	294	212	214	218	352	3548	110	704
1922	499	609	853	1418	3940	3401	1442	603	400	289	333	460	5300	196	1190
1923	437	463	510	1233	1965	1387	908	363	303	252	241	225	3275	179	691
1924	222	238	259	480	679	236	134	96	92	124	239	303	1073	74	259
1925	293	474	509	948	1659	1618	951	422	192	210	207	238	2819	148	635

HISTORICAL RECAP
KERN RIVER FIRST POINT OF MEASUREMENT

Quantities in Mean
Second Foot Days...

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Max.*	Min.*	Mean
1926	196	282	402	1110	1604	832	304	155	118	136	479	457	6511	74	507
1927	333	1355	1189	1687	3004	2708	1228	436	249	228	457	311	6571	188	1095
1928	300	310	531	637	1250	1014	304	149	111	142	201	223	2058	101	431
1929	226	264	409	657	1399	1067	504	208	154	143	152	162	2003	119	446
1930	199	362	562	899	1103	1392	462	192	130	151	186	172	2423	118	483
1931	200	248	257	394	681	408	138	103	115	111	138	285	2261	71	256
1932	362	688	1116	1870	2517	2797	1529	459	228	227	203	211	3726	180	1016
1933	279	378	589	962	976	2107	925	304	169	178	181	271	3769	144	609
1934	326	303	446	671	700	367	184	113	118	133	198	224	914	82	314
1935	241	333	404	1194	1688	2246	686	280	191	195	200	209	3378	164	655
1936	240	814	933	2643	3568	2303	1104	537	242	251	266	281	4173	194	1097
1937	354	2505	1812	3084	5726	3788	1482	523	299	279	275	851	20000	223	1741
1938	508	764	2637	3763	5124	4905	2129	881	482	447	416	423	14582	356	1877
1939	464	599	880	1548	1500	981	414	305	230	274	230	225	2028	178	637
1940	733	1131	1265	1986	3195	2445	821	308	222	239	269	451	5454	167	1087
1941	643	1325	1785	2094	6289	5209	2837	1017	470	427	465	619	8523	337	1935
1942	804	735	951	1892	2440	3004	1326	493	277	238	271	370	4060	141	1066
1943	1505	1023	4250	3340	4144	2616	1431	560	300	290	312	394	21701	252	1686
1944	447	570	1136	1348	2441	1947	963	330	216	211	362	365	3071	191	862
1945	338	1270	1040	2206	3342	2840	1490	677	362	671	619	719	9370	155	1296
1946	740	628	991	1843	2529	1443	646	327	223	263	527	615	3814	192	899
1947	507	507	591	1014	1794	971	343	200	154	205	227	227	2584	135	562
1948	219	231	264	739	1400	1320	510	161	116	145	161	182	2206	97	454
1949	195	234	344	849	1374	969	280	141	110	125	187	208	2128	69	418
1950	278	716	603	1280	1602	1519	568	198	175	162	1630	1268	37000	128	831
1951	536	541	571	822	1383	1496	633	211	131	152	201	653	8341	69	611
1952	982	933	1378	3741	7071	5085	2600	1109	515	381	418	573	8530	254	2073
1953	988	729	630	1189	1399	1734	1133	350	214	213	252	275	3798	119	758
Following the completion of Isabella Reservoir, figures at First Point reflect computed natural flow...															
1954	358	547	725	1701	2272	1236	645	312	211	201	258	285	2948	150	729
1955	332	443	484	631	1131	1456	504	314	165	164	211	1512	12711	101	614

HISTORICAL RECAP
KERN RIVER FIRST POINT OF MEASUREMENT

Quantities in Mean
Second Foot Days...

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Max.*	Min.**	Mean
1956	1349	869	1021	1639	2597	2838	1619	669	359	381	286	269	5167	207	1158
1957	301	471	510	649	1291	2224	683	285	204	222	236	303	3411	147	614
1958	359	710	1108	2825	5155	3880	1882	914	462	339	333	309	6592	236	1526
1959	335	401	541	682	650	539	293	164	166	158	175	182	944	104	356
1960	217	533	519	778	949	793	271	157	146	166	238	210	1690	99	413
1961	186	196	231	406	488	408	146	261	142	120	161	200	626	99	245
1962	220	962	612	2478	2210	2643	1218	413	233	229	209	194	3604	144	964
1963	452	1829	699	1167	2242	2755	1714	765	485	444	434	382	15584	160	1107
1964	324	298	409	722	1001	919	387	229	152	149	251	763	4693	120	467
1965	761	571	591	1345	2146	2510	1550	799	370	287	496	497	3322	226	995
1966	476	404	636	1156	1339	764	380	295	161	176	261	5104	80029	112	937
1967	1034	1185	1402	1672	4385	5228	3965	1542	929	589	580	581	7223	419	1928
1968	554	702	794	1102	1431	1076	499	335	193	221	285	319	1923	155	625
1969	2903	2005	2563	6358	10050	8349	4144	1807	839	586	586	555	24216	344	3400
1970	1081	746	974	1067	1802	1608	815	394	242	216	362	469	6298	171	814
1971	555	557	682	885	1077	1390	691	323	191	188	237	311	1895	125	590
1972	323	327	540	475	748	648	243	178	190	186	247	332	951	111	370
1973	547	655	858	1864	4694	3872	1526	667	387	307	375	452	5886	220	1353
1974	819	538	1208	1918	2988	2819	1132	650	395	357	335	384	4141	220	1130
1975	350	481	696	783	2391	2364	844	368	288	264	253	265	3783	164	780
1976	265	295	375	436	767	352	240	237	422	334	218	182	1188	142	344
1977	219	247	240	393	417	599	178	179	131	132	142	391	2049	57	272
1978	758	2096	2854	3054	5906	5963	3166	1204	1037	481	452	463	10901	350	2284
1979	554	753	1176	1716	2682	1783	760	443	329	322	316	313	3540	229	929
1980	2367	2936	2271	3556	4681	4754	3394	1271	589	438	420	483	14171	261	2259
1981	467	626	742	1165	1495	1106	417	283	222	240	318	377	2211	157	621
1982	613	954	1280	3579	4147	3340	2116	1008	1037	753	960	1266	9075	389	1756
1983	1430	2494	4319	3470	7784	9610	4698	2520	1151	867	1203	1675	14038	602	3438
1984	1237	1059	1346	1535	2628	1565	1253	808	476	430	589	642	3305	288	1132
1985	657	731	868	2290	2387	1678	673	390	286	268	375	552	3353	208	929
Max.**	24216	15584	11921	9455	14038	13176	8431	3795	6724	1533	15400	80029	80029		
Min.**	136	176	174	216	342	149	97	57	82	89	118	138		57	
Mean	603	770	1042	1694	2593	2404	1198	517	315	290	341	469			1020

* Maximum and Minimum are instantaneous flow rates 1893 thru 1953; Mean day flow rates 1954 to date...
 ** Maximum and Minimum are Mean day flow rates 1893 to date...

KERN RIVER at 1st Pt. of MEASUREMENT HISTORICAL MONTHLY NATURAL FLOWS 1985

OCTOBER 1893 to DATE...

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEP	OCT	NOV	DEC	YEAR
Mean Monthly Flow (acre-feet)	37,106	43,123	64,089	100,783	159,456	143,064	73,651	31,770	18,727	17,850	20,264	28,812	738,695
Mean Monthly Flow (second foot days)	603	770	1042	1694	2593	2404	1198	517	315	290	341	469	1,020
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	91	91	92	92	92	92	91	91	91	92	92	92	
Cumulative Monthly Flow (All Months - acre-feet)	3376642	3924198	5896158	9272017	14669944	13161863	6702272	2891046	1704164	1642215	1864291	2650681	
Most Probable (Median) Monthly acre-feet Flow	23,520	33,273	48,675	80,133	126,120	122,891	50,471	22,431	14,392	14,726	16,861	20,557	574,050

Mean April-July Runoff to date = 476,954 AcFt Mean March-October Runoff to date = 609,390 AcFt
 Median April-July Runoff to date = 379,615 AcFt Median March-October Runoff to date = 479,839 AcFt

KERN RIVER IN REVIEW
1985

As with the two previous years, substantial precipitation amounts were recorded throughout the Kern River water shed during the first quarter of the 1984-1985 water year. Rainfall accumulation at Isabella Dam and Reservoir during this October-December 1984 period was 5.45 inches, 163% of normal. A persistent ridge of high pressure began to develop along the west coast following the light storm period of December 26 and 27, 1984, effectively blocking the flow of storm systems into the Southern Sierra Nevada. Measurements of precipitation at Isabella Dam and Reservoir for the January-March period totaled 3.55 inches, 70% of normal, followed by the extreme dry period of April thru June during which .03 inches of rainfall was received, a paltry 2% of normal.

State Department of Water Resources forecast of 1985 April-July Kern River inflow to Isabella Reservoir was 75% of normal as of February 1, 71% of normal as of March 1. The lean water supply forecast was bolstered by an intense storm system which moved into the water shed March 26-28. On March 25, 1985, the average water content of the snowpack for the six telemetered sensors located within the Kern basin was 18.3 inches. On March 29, 1985, the average for these same six sensors had increased to 22.1 inches. The yield of this three day storm was estimated at 65,000 acre-feet. Actual 1985 April-July inflow to Isabella Reservoir was 420,159 acre-feet, 93% of normal. Kern River natural flow at First Point of Measurement during the 1985 April-July runoff period totaled 424,293 acre-feet, 89% of average and 112% of the historical median, replacing 1984 as the 38th largest of the 92 years of record. Accretions to the Kern River below Isabella Reservoir during the 1985 April-July period were 30% of normal, compared to 321% of normal in 1983 and 92% of normal in 1984.

Temperatures at Isabella Reservoir rose into the 90's during the second week of April, resulting in an abnormally early peak mean inflow to the lake on April 15 of 3,299 c.f.s. The Kern River South Fork had peaked a day earlier with a mean of 963 c.f.s. Peak mean flow of the Kern River North Fork occurred on May 25 at 2,644 c.f.s. Isabella Reservoir storage reached its maximum for the year on June 13, with 388,621 acre-feet. First Point regulated mean daily flow was its highest on June 19 with 2,194 c.f.s., while flow at Second Point of Measurement peaked on June 16 with a mean daily discharge of 402 c.f.s.

The month of August 1985, with a mean air temperature at Meadows Field of 79.0°, was the coolest August since 1956, when a mean air temperature of 78.8° was recorded. The resulting decrease in demand for irrigation water during August allowed an estimated 20,000 acre-feet of water to remain in Isabella Reservoir storage, which, under more normal temperature conditions, would have been withdrawn from storage in order to meet irrigator's demands.

On December 31, 1985, 195,516 acre-feet of water was stored behind Isabella Dam for carryover into 1986.

DISCHARGE IN CUBIC FEET PER SECOND 1985 KERN RIVER AT FIRST POINT OF MEASUREMENT "COMPUTED NATURAL"

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	622	549	805	1385	2247	1588	802	445	231	281	263	574
2	602	571	815	1410	2367	1647	828	461	225	287	258	1333
3	571	575	838	1498	2587	1666	813	463	240	300	255	1330
4	567	548	749	1879	2592	1684	819	475	269	299	265	798
5	555	512	790	1993	2653	1834	795	492	324	261	262	685
6	553	512	781	2067	2617	2087	794	438	367	268	260	601
7	423	508	810	2253	2625	2305	774	412	366	216	261	560
8	451	870	780	2476	2446	2346	725	435	328	229	259	534
9	774	436	666	2687	2284	2327	752	391	255	265	289	521
10	714	710	771	2801	2192	2312	783	397	257	262	321	476
11	648	711	759	2872	2109	2275	802	384	303	268	323	452
12	644	681	754	2941	2155	2228	745	384	380	254	332	427
13	596	702	730	3085	2133	2198	690	375	352	246	317	429
14	586	676	727	3220	2278	2184	635	383	316	259	336	444
15	620	703	726	3353	2332	2069	634	399	273	265	314	450
16	620	732	726	3492	2461	1975	624	394	229	288	317	462
17	640	767	706	2761	2448	1835	660	396	228	271	326	448
18	635	748	710	2443	2480	1801	627	367	265	276	356	453
19	782	810	714	2376	2370	1720	646	336	368	249	364	438
20	781	745	699	2234	2685	1619	702	327	339	232	365	440
21	795	845	750	2086	2609	1478	746	342	289	243	345	431
22	712	808	776	2007	2623	1346	698	379	302	254	349	429
23	678	821	822	1966	2682	1167	630	395	278	249	351	469
24	642	837	786	1988	2756	1109	605	376	351	316	515	440
25	593	859	777	1969	2681	1014	642	368	292	307	504	455
26	598	881	432	1963	2550	1033	595	367	260	306	465	462
27	598	904	2001	1804	2315	952	550	363	261	275	426	449
28	611	880	1513	1815	2161	902	481	387	249	279	348	472
29	580	1177	1177	1852	1976	840	441	359	258	271	886	603
30	573	1104	1104	2130	1864	746	399	359	232	285	788	619
31	576	1111	1111	1674	1674	435	435	299	265	265	540	540
TOTAL	20,380	20,474	26,908	68,688	74,011	50,345	20,870	12,078	8,583	8,316	11,250	17,114
MAX.	451	936	2001	3350	2756	2348	828	475	380	316	888	1333
MIN.	563	506	699	1385	1674	796	399	299	225	268	255	427
MEAN	657	731	828	2290	2387	1678	673	390	286	268	376	552
TOTAL AC. FT.	40,423	40,610	53,371	136,241	146,799	99,858	41,395	23,956	17,024	16,495	22,314	33,945
WHOLE YEAR:-	TOTAL. 339,017											
	MAXIMUM. 3,553											
	MINIMUM. 268											
	MEAN. 929											
	TOTAL AC. FT. 672,431											

DISCHARGE IN CUBIC FEET PER SECOND 1985 KERN RIVER AT FIRST POINT OF MEASUREMENT "REGULATED"

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	630	464	1161	781	1083	1028	1690	1690	787	546	278	490
2	627	461	1109	890	1096	1022	1661	1552	816	544	272	513
3	634	463	1002	404	1120	1006	1738	1371	810	560	267	585
4	671	445	1038	402	1079	483	1803	1311	745	512	254	613
5	691	449	934	800	1016	1128	1824	1388	686	449	260	638
6	677	483	882	732	1081	1291	1762	1545	592	400	275	620
7	768	663	903	785	1080	1370	1757	1703	555	475	269	664
8	747	674	951	1033	1110	1382	1841	1542	533	488	304	661
9	722	807	918	1068	1099	1540	1796	1398	584	528	300	655
10	710	726	907	1148	1059	1673	1768	1355	584	507	297	641
11	707	761	1025	1176	988	1734	1856	1350	593	441	349	638
12	713	841	1022	1133	1016	1861	1812	1396	490	398	338	613
13	689	836	1019	1055	1208	1964	1678	1406	411	417	338	614
14	682	810	936	1027	1301	2046	1768	1402	349	450	323	608
15	710	924	903	1133	1347	2025	1885	1324	364	487	317	603
16	825	1036	866	1150	1050	2635	1905	1249	461	505	316	605
17	822	1084	859	1086	1291	2113	1839	1146	523	441	315	620
18	844	1133	848	983	1240	2180	1816	1096	615	374	322	649
19	849	1094	771	890	1245	2194	1782	1081	574	369	321	646
20	760	1121	704	752	1396	2669	1735	1085	544	366	316	623
21	483	1123	764	755	1387	1976	1725	1141	526	374	339	621
22	475	1103	769	869	1289	1848	1758	1226	571	330	341	624
23	459	1117	717	861	1227	1768	1803	1217	672	322	342	621
24	453	1146	699	861	1269	1791	1862	1116	672	321	346	645
25	476	1184	745	960	1152	1705	1876	1082	635	305	380	660
26	610	1217	799	948	1089	1581	1892	1126	648	293	479	664
27	644	1243	970	901	1160	1574	1870	1092	636	292	489	677
28	631	1214	793	862	1198	1640	1908	1038	569	316	473	668
29	540	1214	702	946	1239	1622	1989	983	523	330	527	668
30	528	1214	670	1013	1226	1639	1942	984	565	300	522	671
31	447	1214	669	1126	1126	1790	1790	843	285	285	285	671
TOTAL	20,234	24,546	27,135	28,414	36,555	49,790	56,157	39,188	17,632	12,738	10,251	14,614
MAX.	908	1257	1188	1183	1455	2221	2015	1773	837	580	571	725
MIN.	411	433	655	689	473	458	1638	809	346	279	252	314
MEAN	663	877	875	947	1179	1660	1812	1264	588	412	342	471
TOTAL AC. FT.	40,133	48,686	53,821	56,358	72,506	98,757	111,385	77,728	34,973	25,305	20,333	28,986

WHOLE YEAR: TOTAL, 337, 274 MAXIMUM, 2, 221 MEAN, 924 MINIMUM, 252 TOTAL AC. FT., 668, 971

DISCHARGE IN CUBIC FEET PER SECOND 1985 KERN RIVER CONDUIT AT ALTERNATE SECOND POINT (Total Flow)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	248	0	0	46	231	26	156	0	0	0
2			220			44	261	177	140			
3			200			55	325	159	139			
4			144			67	373	136	129			
5		0	74		0	117	353	130	115			
6		38	69		3	112	333	67	36			
7		102	73		5	102	349	244	48			
8		146	96		3	157	349	235	59			
9		284	85		2	235	302	211	47			
10		230	73		0	255	308	231	66			
11		235	43		0	264	366	218	105			
12		259	0		1	297	363	190	88			
13		274			0	369	301	185	106			
14		255				340	291	177	74			
15		257				400	307	127	69			
16		337				402	285	144	60			
17		361				377	234	157	46			
18		364				367	239	100	123			
19		329				349	236	72	133			
20		317				298	277	73	135			
21		324				262	317	114	140			
22		287				251	333	222	135			
23		276				266	341	260	126			
24		278				231	336	267	103			
25		285				205	346	242	72			
26		282	0			149	364	238	78			
27		291	90		0	153	363	265	79			
28		271	55		20	189	350	231	46			
29			16		44	189	347	197	0			
30			0	0	47	198	335	269	0		0	
31			0		43		267	210		0		0
TOTAL	0	6,162	1,491	0	168	6,736	9,782	5,804	2,658	0	0	0
MAX.		364	248		47	402	373	267	156			
MIN.		0	0		0	44	231	72	0			
MEAN		220	46		5	225	316	157	89			
TOTAL AC. FT.	0	12,222	2,957	0	333	13,361	19,402	11,512	5,272	0	0	0

WHOLE YEAR- TOTAL, 32,801 MAXIMUM, 402 MINIMUM, 0 MEAN, 90 TOTAL AC. FT., 65,059

DISCHARGE IN CUBIC FEET PER SECOND 1985

FIRST POINT GROUP DIVERSIONS TO FIRST POINT GROUP LANDS
BELOW SECOND POINT OF MEASUREMENT

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	1	0	0	0	0	0	0	0	0	0
2	0	0	2	0	0	0	0	0	0	0	0	0
3	0	0	1	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	53	4	0	116	13	17	8	0	0	0	0
MAX.	0	4	2	0	31	2	3	2	0	0	0	0
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	2	0	0	4	0	1	0	0	0	0	0
TOTAL AC. FT.	0	105	8	0	230	26	34	16	0	0	0	0

WHOLE YEAR:- TOTAL, 211 MAXIMUM, 31 MINIMUM, 0 MEAN, 1 TOTAL AC. FT., 419

DISCHARGE IN CUBIC FEET PER SECOND 1985 FRIANT-KERN INFLOW TO KERN RIVER CHANNEL (Total Flow)
 operational spill

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	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	50	0	0	0	0	0	0	0	0	0	0
5	0	101	0	0	0	0	0	0	0	0	0	0
6	0	101	0	0	0	0	0	0	0	0	0	0
7	0	10	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	303	0	0	0	0	0	0	0	0	0	0
MAX.	0	101	0	0	0	0	0	0	0	0	0	0
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	11	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	600	0	0	0	0	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 303 MAXIMUM, 101 MEAN, 11 TOTAL AC. FT., 600

CITY OF BAKERSFIELD
SUMMARY OF KERN RIVER ENTITLEMENTS

Year 1985

Quantities in Acre-Feet

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
B.V.W.S.D. Ent'l	0	0	11,296	3,927	4,288	26,382	7,301	17,53	0	0	0	0	128,497
Hacienda W.D. Ent'l	0	0	0	0	0	0	0	-	-	-	-	-	0
K.C.L. Ent'l @ 2nd Pt.	0	0	335	1880	2033	1260	351	77	0	0	0	0	5,936
Kern Island (1-st)	18,440	16,661	15,163	17,851	18,446	17,851	18,446	18,423	15,806	15,809	17,000	16,446	211,546
Eastside	-	-	18,885	23,506	24,119	20,138	13,746	30,27	-	-	-	-	103,421
Kern River Conduit	307	278	15	121	123	167	14	-	60	2	169	307	1,536
Castro	873	807	56	407	425	337	24	-	156	5	452	849	4,597
KCC&W Co.	615	555	46	292	365	234	18	-	99	-	280	615	3,633
South Fork	4766	4312	299	2116	2249	1781	141	-	248	-	1301	4621	21,834
Buena Vista (1-st)	7141	6365	450	3176	3338	2668	208	-	-	-	1194	3961	28,551
James (1-st)	1180	966	74	528	551	444	38	-	-	-	117	333	4,231
Anderson (1-st)	4870	6107	565	3967	4229	3340	262	-	-	-	672	1470	25,482
Stine	397	421	113	793	853	669	52	-	-	-	115	176	4,089
Meacham	430	2876	349	3967	4229	3318	118	-	-	-	345	719	17,044
Farmers	155	125	143	1051	1135	857	-	-	-	-	14	159	3,639
Plunket	67	32	135	1051	1135	847	-	-	-	-	-	159	3,426
Joyce	-	-	131	1051	1135	833	-	-	-	-	-	159	3,369
Johnson	-	-	393	3441	3654	2616	-	-	-	-	-	508	10,612
Pioneer (1-st)	-	-	124	1591	1646	1150	-	-	-	-	-	234	4,745
Beardsley (1-st)	-	-	-	-	-	-	-	-	-	-	-	-	-
Lerdo (NKWSD)	-	-	-	-	-	-	-	-	-	-	-	-	-
Anderson (2-nd)	-	-	16	268	301	190	-	-	-	-	-	40	815
James & Dixon	-	-	63	1051	1135	746	-	-	-	-	-	189	3,156
Wilson	-	-	8	149	178	103	-	-	-	-	-	24	462
KCC&W Co.	-	-	8	119	123	87	-	-	-	-	-	16	353
McCaffrey	-	-	42	688	734	496	-	-	-	-	-	103	2,063
McCord	-	-	46	793	833	564	-	-	-	-	-	65	2,323
Beardsley 70%	-	-	111	1843	1960	1303	-	-	-	-	-	147	5,364
Central 20%	-	-	125	3592	4520	2100	-	-	-	-	-	-	10,337
NKWSD 80%	-	-	505	14368	18053	8384	-	-	-	-	-	-	41,310
Railroad	-	-	-	453	714	77	-	-	-	-	-	-	1,234
KCC&W Co. 20%	-	-	-	1755	2838	319	-	-	-	-	-	-	4,912
NKWSD 80%	-	-	-	811	1195	-	-	-	-	-	-	-	2,009
Buena Vista (2-nd)	-	-	-	1494	1256	-	-	-	-	-	-	-	2,750
James (2-nd)	-	-	-	1107	54	-	-	-	-	-	-	-	1,161
Pioneer (2-nd)	-	-	-	442	-	-	-	-	-	-	-	-	442
Beardsley (3-rd)	-	-	-	107	-	-	-	-	-	-	-	-	107
Kern Island (2-nd)	-	-	-	-	-	-	-	-	-	-	-	-	-
Computed Loss	676	611	676	655	676	655	676	676	655	676	655	676	7,963
Total 1st Pt. Grp. Ent'l	40,423	40,610	42,075	96,964	104,311	73,476	34,054	22,203	17,024	16,495	22,314	33,945	543,934

CITY OF BAKERSFIELD
SUMMARY OF KERN RIVER FIRST POINT GROUP
CANAL AND FACILITY DIVERSIONS

Quantities in acre-feet

Year: 1985

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
First Point Regulated Flow	40133	48686	53821	56358	72566	98757	111385	77728	34973	25305	20333	28986	668,971
Beardsley Canal	476	14733	20487	2762	36766	36819	42948	25523	11199	12230	4108	11042	248,330
Calloway Canal	9677	1194	1519	2505	274	3057	3592	3233	2404	2135	1394	3634	37,058
Kern Island Canal	8511	10367	14934	14880	14364	20973	23236	18788	8644	6752	3076	2339	146,834
Eastside Canal	518	1234	1983	2745	3176	3570	3328	2255	992	655	232	216	20,904
Castro	0	0	0	0	0	0	0	0	0	0	0	0	0
Stine Canal	293	2630	6323	4399	4444	7829	7525	6746	2707	954	0	591	44,485
Carrier Spreading Facility	0	0	0	0	0	0	0	0	0	0	359	686	1,055
Arvin-Edison Turnout	7813	0	317	0	4078	522	0	728	0	0	0	0	13,458
Buena Vista Canal	288	4701	3382	2138	2612	782	7416	6012	1680	547	103	0	36,061
James Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Channel	6097	0	0	0	0	0	0	0	0	0	1323	2693	10,113
Pioneer Canal	0	0	0	0	0	0	0	0	0	0	0	0	0
2800 Acre Spreading Facility	331	0	0	0	0	0	0	0	0	0	0	0	331
River and Carrier Loss/Spdg.	1892	1605	919	1929	3169	5444	3938	2967	2075	2082	9738	7775	45,283
First Point Group Total	40133	36464	50864	56358	72173	85396	91983	66216	29761	25305	20333	28986	603,912
Second Point Flow	0	12222	2957	0	333	13361	19402	11512	5272	0	0	0	65,059

UTILIZATION OF STORAGE - ISABELLA RESERVOIR
KERN RIVER FIRST POINT GROUP 1985

Quantities in acre-feet

End of Month Unit Storage

STORAGE UNITS	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	TOTAL
Kern Island	2500	7868	11306	13512	15911	8656	2561	2500	2498	2500	2500	2500	74,812
Buena Vista	1500	3178	831	2520	4074	2083	1146	470	1359	1500	1500	1500	21,663
Stine	1500	4931	908	1648	2446	1690	228	32	282	789	1500	1500	17,454
Farmers	1500	3378	2166	4538	6000	5088	1587	189	0	0	1024	1500	26,970
KERN DELTA WD TOTAL	7000	19355	15211	22218	28431	17517	5524	3191	4139	4789	6524	7000	140,899

City of Bakersfield	16795	21165	33828	54600	65949	56606	39463	15894	15707	15372	16394	16899	368,672
K.R.C. & Irrigating Co.	16385	11922	10100	11707	12931	12557	10088	8349	7539	6928	7145	8428	123,509
South Fork	600	988	676	790	1065	962	615	367	801	1373	600	600	9,437
CITY TOTAL	33780	33475	44604	67127	79945	70125	50166	24610	24047	23673	24139	25927	501,618

North Kern WSD	67525	63709	50811	66946	81469	91952	86000	80747	75959	72756	72101	74452	884,427
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TOTAL 1st Pt. STORAGE	108,305	116,539	110,926	156,211	189,845	179,594	141,680	108,548	104,145	101,216	102,764	107,379	1,526,944
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KERN DELTA WATER DISTRICT

KERN DELTA WATER DISTRICT

MONTHLY SUMMARY OF KERN RIVER ENTITLEMENTS, DIVERSIONS,
DELIVERIES AND STORAGE ALL CANALS

Year 1985

Quantities in acre-feet	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Year to Date
+ River Entitlement	29012	29950	19576	28819	30351	26290	18967	18423	16054	15809	19318	25255	277,824
+ Release	19996	519	155	0	430	278	0	364	4947	7702	14396	21821	70,608
= Ent'l + or - Releases	9016	29469	19421	28819	29921	26012	18967	18059	11107	8107	4922	3434	207,216
- Into Isabella Storage	38	12881	4129	7676	7090	1488	621	2017	1660	883	1787	514	40,784
+ From Isabella Storage	0	440	8134	351	359	11784	12270	4243	619	147	0	0	38,347
+ Other Supply	0	0	0	0	0	26	0	0	0	0	0	0	26
+ Storage Transfer/Exch.	0	0	0	0	0	0	0	0	0	0	0	0	0
- Pro-rated share of Carrier Canal Loss	66	135	0	0	0	0	0	0	42	647	182	34	1,106
= Diverted at Heads of Canals	8912	16855	23426	21494	23190	36282	30616	20285	10024	6724	2953	2886	203,647
+ Utility Deliveries	5175	10188	15218	13949	14813	26201	21959	14732	6035	3871	938	880	133,959
+ Contract Deliveries	225	606	809	801	904	1153	983	481	181	141	167	196	6,647
- Total Irrigation Use =	5400	10794	16027	14750	15717	27354	22942	15213	6216	4012	1105	1076	140,606
= Canal Percolation & Conveyance Losses	3512	6061	7399	6744	7473	8928	7674	5072	3808	2712	1848	1810	63,041
Delivery Percentage	61%	64%	68%	69%	68%	75%	75%	75%	62%	60%	37%	37%	69%
Reservoir Loss	38	86	139	318	518	618	344	107	93	86	52	38	2,437
End of Month Storage	7000	19355	15211	22218	28431	17517	5524	3191	4139	4789	6524	7000	140,899

DISCHARGE IN CUBIC FEET PER SECOND 1985 TOTAL FLOW VIA THE KERN ISLAND CANAL HEADGATE

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	54	228	300	185	306	148	418	427	202	216	60	14
2	67	254	293	233	297	129	336	419	212	210	58	16
3	90	250	267	242	274	158	337	386	199	225	52	24
4	102	212	249	226	226	174	353	377	169	188	50	24
5	100	222	222	221	193	239	416	379	137	157	54	24
6	107	99	227	190	207	331	408	317	120	146	87	23
7	97	101	246	178	210	405	371	300	111	148	97	24
8	77	112	294	245	246	405	397	327	107	142	107	37
9	56	109	320	245	266	417	316	346	127	143	89	87
10	51	96	318	279	256	408	349	329	124	112	92	99
11	39	113	361	307	229	440	345	332	113	69	79	105
12	37	159	356	309	212	409	362	387	82	64	58	104
13	42	143	326	301	253	335	373	413	62	74	51	61
14	50	140	304	289	291	328	403	399	50	123	54	44
15	76	180	294	312	316	369	430	403	62	137	73	44
16	164	226	281	307	285	353	470	374	100	152	73	41
17	163	236	265	287	279	407	456	349	130	139	49	39
18	198	238	248	245	259	466	396	324	140	75	40	33
19	212	184	235	219	220	476	381	282	123	74	39	29
20	210	182	226	192	205	463	352	230	120	74	39	24
21	212	176	189	194	206	423	333	221	96	78	34	22
22	218	184	181	239	217	360	316	237	120	73	32	8
23	222	189	172	264	203	336	329	229	200	61	31	2
24	224	193	166	262	172	335	287	265	211	56	28	7
25	226	248	169	266	196	335	299	212	196	54	24	24
26	227	284	194	277	193	330	316	224	203	53	22	35
27	219	283	229	255	197	314	355	213	227	57	19	42
28	199	286	197	216	205	347	404	221	196	85	31	27
29	180	286	141	246	226	402	455	214	198	95	15	44
30	172	286	129	272	228	424	449	203	229	65	14	44
31	197	286	130	286	169	416	416	181	229	66	14	26
TOTAL	4,291	5,227	7,529	7,502	7,242	10,574	11,715	9,457	4,358	3,404	1,551	1,179
MAX.	227	286	361	312	316	476	470	427	229	225	107	105
MIN.	37	96	129	178	169	129	287	181	50	53	14	2
MEAN	138	187	243	250	234	352	378	305	145	110	52	36
TOTAL AC. FT.	8,511	10,367	14,934	14,880	14,364	20,973	23,236	18,753	8,644	6,752	3,076	2,339

WHOLE YEAR: TOTAL, 74,021 MAXIMUM, 476 MEAN, 203 MINIMUM, 2 TOTAL AC. FT., 146,834

KERN DELTA WATER DISTRICT KERN ISLAND CANAL SERVICE AREA

YEAR 1985

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement +	18446	16661	18163	17958	18446	17851	18446	18423	15806	15809	17000	18446	211,455
Release ±	10152	196	165	0	0	0	0	991	7612	9602	14124	16365	59,267
Ent'l + or - Releases =	8294	16465	17998	17958	18446	17851	18446	17432	8194	6207	2876	2081	152,248
Into Storage -	14	5414	3850	2605	2905	1055	411	1517	59	52	26	14	17,922
From Storage +	0	8	333	189	208	7883	6357	1505	0	0	0	0	16,583
Other Supply ±	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastside Canal Ent'l -	-	-	993	2098	2500	2602	2301	851	-	-	-	-	11,345
Diverted at Head =	8280	11059	13488	13444	13249	22177	22091	16569	8135	6155	2850	2667	139,564
Utility Deliveries	5137	6858	9213	9263	8982	15943	16284	11778	4863	3767	938	662	93,688
Contract Deliveries	225	606	780	732	820	1096	965	476	181	141	167	196	6,379
Total Deliveries -	5362	7464	9993	9995	9802	17039	17249	12248	5044	3908	1105	858	100,067
Canal Percolation & Conveyance Losses =	2918	3595	3495	3449	3447	5138	4842	4321	3691	2247	1745	1209	39,447
Delivery Percentage	65%	67%	74%	74%	74%	77%	78%	74%	62%	63%	39%	42%	72%
RESERVOIR													
In	14	5414	3850	2605	2905	1055	411	1517	59	52	26	14	17,922
Evaporation Loss	14	38	79	210	298	327	149	73	61	50	26	14	1,339
Out	0	8	333	189	208	7883	6357	1505	0	0	0	0	16,583
Storage (end of mon.)	2500	7868	11306	13512	15911	8656	2561	2500	2498	2500	2500	2500	
State Aqueduct Exch. Diverted	180	855	984	909	722	863	0	881	349	44	0	44	5,831
Other Diversions	0	0	0	0	0	62	3150	1543	0	0	0	0	4,755
State & Other Del.	180	855	984	909	722	925	3150	2411	349	44	0	44	10,573

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

1985

Quantities in Acre-Feet

	Kern Island Canal Entitlement			Contract Entitlement			Contract Diverted		Unused Entitlement	
	Max.	Actual	%	Max.	Actual	Sum To Date	For Month	To Date	For Month	Sum To Date
	1	2	3	4	5	6	7	8	9	10
JAN	18,446	18,446	100%	269	269	269	0	0	269	269
FEB	16,661	16,661	100%	242	242	511	277	277	<35>	234
MAR	18,424	18,163	99%	269	265	776	469	746	<204>	30
APR	17,851	17,851	100%	260	260	1036	375	1121	<115>	<85>
MAY	18,446	18,446	100%	269	269	1305	410	1531	<141>	<226>
JUN	17,851	17,851	100%	260	260	1565	679	2210	<419>	<645>
JUL	18,446	18,446	100%	269	269	1834	534	2744	<265>	<910>
AUG	18,446	18,423	100%	269	269	2103	103	2847	166	<744>
SEP	17,851	15,806	89%	260	230	2333	30	2877	200	<544>
OCT	18,446	15,809	86%	269	231	2564	1	2878	230	<314>
NOV	17,851	17,000	95%	260	248	2812	16	2894	232	<82>
DEC	18,446	18,446	100%			2812	0	2894		<82>
TOTAL	217,165	211,348		2,896		2,812		2,894		<82>

- Column 2 - Actual Kern Island Entitlement.
- Column 3 - Column 2 divided by column 1 multiplied by 100.
- Column 5 - Column 3 multiplied by column 4.
- Column 6 - Cumulative sum of column 5.
- Column 7 - Total diverted for the month.
- Column 8 - Cumulative sum of column 7.
- Column 9 - Column 5 minus column 7.
- Column 10 - Cumulative sum of column 9.

KERN ISLAND CANAL
 ENTITLEMENT AND DIVERSION OF CONTRACT WATER
 BLOOMFIELD CONTRACT

1985

Quantities in Acre-Feet

	Kern Island Canal Entitlement			Contract Entitlement			Contract Diverted		Unused Entitlement	
	Max. 1	Actual 2	% Max. 3	Max. 4	Actual 5	Sum To Date 6	For Month 7	To Date 8	For Month 9	Sum To Date 10
JAN	18,446	18,446	100%	336	336	336	225	225	111	111
FEB	16,661	16,661	100%	303	303	639	329	554	<26>	85
MAR	18,424	18,163	99%	336	331	970	311	865	20	105
APR	17,851	17,851	100%	325	325	1295	357	1222	<32>	73
MAY	18,446	18,446	100%	336	336	1631	410	1632	<74>	<1>
JUN	17,851	17,851	100%	325	325	1956	417	2049	<92>	<93>
JUL	18,446	18,446	100%	336	336	2292	431	2460	<95>	<188>
AUG	18,446	18,423	100%	336	336	2628	367	2847	<31>	<219>
SEP	17,851	15,806	89%	325	288	2916	151	2998	137	<82>
OCT	18,446	15,809	86%	336	288	3204	140	3138	148	66
NOV	17,851	17,000	95%	325	310	3514	151	3289	159	225
DEC	18,446	18,446	100%			3514	196	3485	<196>	29
TOTAL	217,165	211,348		3,619		3,514		3,485		29

- Column 2 - Actual Kern Island Entitlement.
- Column 3 - Column 2 divided by column 1 multiplied by 100.
- Column 5 - Column 3 multiplied by column 4.
- Column 6 - Cumulative sum of column 5.
- Column 7 - Total diverted for the month.
- Column 8 - Cumulative sum of column 7.
- Column 9 - Column 5 minus column 7.
- Column 10 - Cumulative sum of column 9.

DISCHARGE IN CUBIC FEET PER SECOND

1985

TOTAL FLOW VIA THE EASTSIDE CANAL HEADGATE

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	13	8	22	32	67	42	62	58	12	18	3	0
2	12	6	21	33	71	34	60	34	16	15	3	1
3	13	6	27	41	68	36	60	44	26	15	6	4
4	12	6	21	41	55	48	60	49	19	13	7	7
5	12	8	20	41	58	54	60	57	21	0	12	3
6	15	15	19	36	57	58	56	59	25	2	11	0
7	15	16	19	51	54	59	55	54	26	11	8	0
8	15	21	18	51	50	52	59	46	29	11	8	0
9	15	17	17	51	50	55	66	40	30	13	8	6
10	10	16	25	55	42	67	64	36	22	13	6	3
11	7	23	31	56	34	66	70	37	17	18	0	3
12	6	25	34	51	37	71	58	42	16	13	0	3
13	2	27	35	38	49	75	49	44	17	16	0	3
14	3	26	37	40	51	73	55	50	16	15	0	3
15	4	29	41	45	54	71	57	49	9	11	0	3
16	6	30	41	60	50	73	60	40	9	10	0	3
17	6	33	42	49	46	74	62	34	17	7	0	3
18	6	33	44	53	43	72	55	35	19	7	0	2
19	6	36	42	42	45	71	51	31	17	7	2	3
20	6	32	47	34	53	77	49	30	10	9	5	3
21	8	30	45	35	53	77	51	30	1	14	0	3
22	6	27	46	45	55	62	51	31	14	9	0	3
23	6	24	40	50	59	58	49	30	13	10	0	2
24	6	25	35	50	59	60	51	29	4	13	1	2
25	7	25	39	52	43	46	42	26	4	13	8	6
26	8	26	41	56	44	45	37	26	10	10	10	7
27	10	23	36	52	34	48	42	20	16	9	10	6
28	10	22	31	46	55	54	50	11	21	7	9	10
29	6	22	30	50	54	58	50	14	21	6	0	10
30	6	22	30	56	49	62	51	17	21	8	0	7
31	7	30	30	42	42	55	55	14	21	8	0	0
TOTAL	261	622	1,000	1,384	1,601	1,800	1,678	1,137	500	330	117	109
MAX.	15	36	47	56	71	77	70	59	30	16	12	10
MIN.	2	6	17	32	34	34	37	11	1	0	0	0
MEAN	8	22	32	46	52	60	54	67	17	11	4	4
TOTAL AC. FT.	518	1,234	1,983	2,745	3,176	3,570	3,328	2,255	992	655	232	216

WHOLE YEAR:- TOTAL, 10,539

MAXIMUM, 77

MINIMUM, 0

MEAN, 29

TOTAL AC. FT., 20,904

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

Year 1985

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	-	-	993	2098	2500	2602	2301	851	-	-	-	-	11,345
Total River Diverted	0	0	993	2098	2500	2602	2301	851	0	0	0	0	11,345
State Exchange Div.	518	1234	990	647	676	936	0	1035	986	653	228	216	8,119
HWD Purchase Diverted	0	0	0	0	0	32	1027	367	0	0	0	0	1,426
I.D. # 4 Water Div.	0	0	0	0	0	0	0	2	6	2	4	0	14
Total State/Other Div.	518	1234	990	647	676	968	1027	1404	992	655	232	216	9,559
Eastside Canal at Head	518	1234	1983	2745	3176	3570	3328	2255	992	655	232	216	20,904
Utility Deliveries	0	0	687	1376	1656	1904	1691	601	0	0	0	0	7,915
Contract Deliveries	0	0	29	69	84	57	18	11	0	0	0	0	268
State Exchange Del.	290	944	820	647	676	936	0	828	693	457	162	91	6,541
HWD Pur./I.D. # 4 Del.	0	0	0	0	0	32	1027	370	6	2	4	0	1,441
Total Deliveries	290	944	1526	2092	2416	2929	2736	1810	699	459	166	91	16,165
Canal Loss (River)	0	0	277	653	760	644	592	239	0	0	0	0	3,162
Canal Loss (State)	228	293	170	0	0	0	0	266	293	196	66	125	1,577
Total Canal Loss	228	293	447	653	760	644	592	445	293	196	66	125	4,739
Delivery Percentage	56%	76%	77%	76%	76%	82%	82%	80%	70%	76%	72%	42%	77%

DISCHARGE IN CUBIC FEET PER SECOND

1985

TOTAL FLOW VIA THE BUENA VISTA CANAL (Diverted)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	33	45	31	41	34	114	118	60	19	7	0
2		25	101	43	44	33	110	105	55	17	7	
3		24	96	34	35	34	121	82	41	17	8	
4		26	85	29	30	36	124	75	40	14	10	
5		35	66	30	26	39	121	81	41	6	9	
6		40	54	29	30	45	120	91	35	0	7	
7		61	47	29	36	14	120	101	30		4	
8		62	43	30	35	16	116	103	26	0	0	
9		59	42	26	38	15	109	106	26	10		
10		66	45	29	39	17	110	94	26	29		
11		69	57	30	39	29	115	88	33	16		
12		79	60	42	38	43	113	40	25	13		
13		79	57	42	36	46	104	113	31	10		
14		78	60	42	35	56	103	118	14	0		
15		89	59	39	40	53	111	114	14	12		
16		110	56	40	34	58	116	113	20	12		
17		113	52	36	37	60	112	105	25	4		
18		115	57	30	40	63	113	102	25	0		
19		112	55	35	47	68	122	112	19			
20		112	53	35	56	69	132	123	10			
21		111	66	37	68	68	132	120	15			
22		121	76	32	77	59	136	118	17			
23		132	63	36	73	155	141	119	23	0		
24		136	42	39	64	144	137	122	32	9		
25		123	33	45	50	131	135	116	32	11		
26	0	122	31	46	43	119	137	99	32	9		
27	5	124	30	43	36	112	128	77	31	10		
28	12	116	29	37	36	112	119	60	25	13		
29	46		23	36	36	107	122	55	20	19		
30	51		30	39	35	106	119	57	20	16	0	
31	29		32	34	34	119	119	60		10		0
TOTAL	145	2,370	1,765	1,078	1,317	3,621	3,739	3,031	847	276	52	0
MAX.	61	136	101	46	77	169	141	123	60	29	10	
MIN.	0	24	28	26	26	33	103	55	10	0	0	
MEAN	5	85	55	36	42	121	121	95	28	9	2	
TOTAL AC. FT.	288	4,701	3,382	2,138	2,612	7,182	7,416	6,012	1,680	547	103	0

WHOLE YEAR- TOTAL, 18,181

MAXIMUM, 169

MINIMUM, 0

MEAN, 50

TOTAL AC. FT., 36,061

KERN DELTA WATER DISTRICT BUENA VISTA CANAL SERVICE AREA

YEAR 1985

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement +	4766	4312	299	2927	3447	1781	141	0	246	0	1301	4621	23,843
Release ±	4406	357	10	0	606	187	0	627	2389	1242	1000	4613	5,415
Ent'l + or - Releases =	360	3955	309	2927	3953	1968	141	627	2637	1242	301	8	18,428
Into Storage -	8	1694	93	1808	1651	163	105	500	1335	173	16	8	7,554
From Storage +	0	0	2424	85	32	2069	980	1166	420	2	0	0	7,178
Other Supply ±	0	0	0	0	0	0	0	0	0	0	0	0	0
Pro-rated share of Carrier Loss -	64	127	0	0	0	0	0	0	42	524	182	0	939
Diverted at Head =	288	2134	2640	1204	2334	3874	1016	1293	1680	547	103	0	17,113
Utility Deliveries	17	1799	1797	744	1333	3439	755	1137	1042	104	0	0	12,167
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries -	17	1799	1797	744	1333	3439	755	1137	1042	104	0	0	12,167
Canal Percolation & Conveyance Losses =	271	335	843	460	1001	435	261	156	638	443	103	0	4,946
Delivery Percentage	6%	84%	68%	62%	57%	89%	74%	88%	62%	19%	0%	0%	71%
In	8	1694	93	1808	1651	163	105	500	1335	173	16	8	7,554
Evaporation Loss	8	16	16	34	65	85	60	12	26	30	16	8	376
Out	0	0	2424	85	32	2069	980	1166	420	2	0	0	7,178
Storage (end of mon.)	1500	3178	831	2520	4074	2683	1148	470	1359	1500	1500	1500	
State Aqueduct Exch. Diverted	0	0	131	890	0	0	0	3005	0	0	0	0	4,026
Other Diversions	0	0	36	44	0	53	2989	821	0	0	0	0	3,943
State & Other Del.	0	0	167	476	0	53	2612	3337	0	0	0	0	6,645

RESERVED

DISCHARGE IN CUBIC FEET PER SECOND

1985

TOTAL FLOW VIA THE STINE CANAL HEADGATE

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	15	0	89	84	95	53	129	122	76	27	0	0
2	17	4	91	89	111	60	141	115	74	32		
3	13	2	89	85	111	76	144	104	69	32		
4	0	15	89	77	95	85	147	110	71	31		
5		25	89	65	85	101	143	122	67	29		
6		27	89	57	76	120	136	132	62	26		0
7		24	93	59	71	133	126	129	63	24		7
8		9	97	76	71	133	115	132	60	21		20
9		24	97	88	67	141	125	131	56	22		20
10		17	97	87	65	128	133	125	59	27		25
11		22	104	79	72	146	127	113	49	31		25
12		42	116	75	75	161	117	105	38	34		24
13		50	125	72	76	162	116	96	37	34		26
14		51	136	79	64	156	124	107	32	40		23
15		62	136	94	50	157	132	119	25	38		21
16		62	136	100	50	153	126	121	40	26		20
17		60	134	100	59	158	122	104	40	7		21
18		64	130	93	73	174	125	100	49	0		15
19		59	120	73	81	176	129	101	41			0
20		59	113	56	78	172	125	100	41			0
21		62	112	50	79	162	104	112	36			0
22		66	106	59	79	153	100	108	26			5
23		73	96	65	82	143	105	104	28			20
24		82	93	66	85	139	102	105	38			17
25	0	92	92	61	75	116	97	110	35			11
26	8	92	91	55	65	101	104	117	36			0
27	25	91	87	53	64	119	105	103	36			
28	25	88	84	56	60	133	116	96	29			
29	27		82	74	52	125	125	92	26			
30	18		86	87	47	121	125	82	26		0	
31	0		81		51		123	81		0		0
TOTAL	148	1,326	3,188	2,218	2,206	3,947	3,794	3,398	1,365	481	0	295
MAX.	27	92	138	100	111	176	147	132	76	40		26
MIN.	0	0	51	50	47	53	47	51	26	0		0
MEAN	5	47	103	74	73	132	122	110	46	16		10
TOTAL AC. FT.	293	2,630	6,323	4,399	4,494	7,829	7,525	6,740	2,707	954	0	591

WHOLE YEAR:- TOTAL, 22,429

MAXIMUM, 176

MINIMUM, 0

MEAN, 61

TOTAL AC. FT., 44,485

KERN DELTA WATER DISTRICT STINE CANAL SERVICE AREA

YEAR 1985

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement +	4870	6107	565	3967	4229	3340	262	0	0	0	672	1470	25,482
Release ±	4516	34	0	0	0	0	0	0	276	658	49	887	4,386
Ent'l + or - Releases =	354	6141	565	3967	4229	3340	262	0	276	658	721	583	21,096
Into Storage -	8	3552	0	835	957	28	105	0	260	658	721	8	7,328
From Storage +	0	101	4001	77	119	913	1537	192	12	145	0	0	7,097
Other Supply ±	0	0	0	0	0	26	0	0	0	0	0	0	26
Pro-rated share of Carrier Loss -	2	8	0	0	0	0	0	0	0	123	0	30	163
Diverted at Head =	344	2682	4566	3269	3391	4009	1694	192	22	22	0	545	20,676
Utility Deliveries	21	1003	2423	1575	1905	2327	732	114	5	0	0	102	10,207
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries -	21	1003	2423	1575	1905	2327	732	114	5	0	0	102	10,207
Canal Percolation & Conveyance Losses =	323	1679	2143	1634	1486	1682	962	78	17	22	0	443	10,469
Delivery Percentage	6%	37%	53%	49%	56%	58%	43%	59%	23%	0%	0%	19%	49%
RESERVOIR													
In	8	3552	0	835	957	216	105	0	266	658	721	8	7,328
Evaporation Loss	8	20	22	16	40	61	30	4	4	6	10	8	231
Out	0	101	4001	77	119	913	1537	192	12	145	0	0	7,097
Storage (end of mon.)	1500	4931	908	1648	2446	1690	228	32	282	789	1500	1500	
State Aqueduct Exch. Diverted	0	0	0	0	85	720	0	2692	2226	916	0	0	6,639
Other Diversions	0	0	0	0	0	220	3376	1329	0	0	0	0	4,925
State & Other Del.	0	0	0	0	85	940	2603	2071	962	469	0	0	7,130

KERN DELTA WATER DISTRICT FARMERS CANAL SERVICE AREA

YEAR 1985

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement +	930	2870	549	3967	4229	3318	118	0	0	0	345	718	17,044
Release ±	422	0	0	0	936	465	0	0	0	0	679	44	1,600
Ent'l + or - Releases =	8	2870	549	3967	3293	2853	118	0	0	0	1024	762	15,444
Into Storage -	8	2221	186	2428	1577	52	0	0	0	0	1024	484	7,980
From Storage +	0	331	1376	0	0	819	3396	1380	187	0	0	0	7,489
Other Supply ±	0	0	0	0	0	0	0	0	0	0	0	0	0
Pro-rated share of Carrier Loss -	0	0	0	0	0	0	0	0	0	0	0	4	4
Diverted at Head =	0	480	1739	1539	1716	3620	3514	1380	187	0	0	274	14,949
Utility Deliveries	0	528	1098	991	937	2588	2497	1102	125	0	0	116	9,982
Contract Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Deliveries -	0	528	1098	991	937	2588	2497	1102	125	0	0	116	9,982
Canal Percolation & Conveyance Losses =	0	452	641	548	779	1032	1017	278	62	0	0	158	4,967
Delivery Percentage	0%	54%	63%	64%	55%	71%	71%	80%	67%	0%	0%	42%	67%
RESERVOIR													
In	8	2221	186	2428	1577	52	0	0	0	0	1024	484	7,980
Evaporation Loss	8	12	22	56	115	145	105	18	2	0	0	8	491
Out	0	331	1376	0	0	819	3396	1380	187	0	0	0	7,489
Storage (end of mon.)	1500	3378	2166	4538	6000	5888	1587	189	0	0	1024	1500	
State Aqueduct Exch. Diverted	0	0	716	0	0	0	0	1432	296	494	178	0	3,116
Other Diversions	0	0	0	0	0	0	16	36	0	0	0	0	52
State & Other Del.	0	0	716	0	0	0	16	1234	187	179	75	0	2,407

DISCHARGE IN CUBIC FEET PER SECOND 1985 KERN DELTA WD DIVERSIONS VIA FIRST POINT CONDUIT (River Canal)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	1	0	0	0	0	0	0	0	0	0
2	0	0	2	0	0	0	0	0	0	0	0	0
3	0	0	1	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	53	4	0	102	13	17	8	0	0	0	0
MAX.	0	4	2	0	31	2	3	2	0	0	0	0
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	2	0	0	3	0	1	0	0	0	0	0
TOTAL AC. FT.	0	105	8	0	202	20	34	16	0	0	0	0

WHOLE YEAR- TOTAL, 197 MAXIMUM, 31 MINIMUM, 0 MEAN, 1 TOTAL AC. FT., 391

YEAR: 1985

KERN DELTA WATER DISTRICT
 MONTHLY SUMMARY OF DISTRICT NONUTILITY
 DIVERSIONS, DELIVERIES AND LOSSES

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Kern Island	Total Diverted	168	636	480	432	617	2808	1554	49	8	0	44	7173
	Irrigation Deliveries	168	636	480	432	617	2808	1541	49	8	0	44	7160
	Spreading Deliveries	0	0	0	0	0	0	0	0	0	0	0	0
Eastside	Total Diverted	518	1234	990	647	966	1027	1404	992	655	232	216	9559
	Irrigation Deliveries	290	941	820	647	966	1027	1198	699	459	166	41	7982
	Spreading Deliveries	0	0	0	0	0	0	0	0	0	0	0	0
East of Cent. & Rim	Total Diverted	228	293	170	0	0	0	206	293	196	66	125	1577
	Irrigation Deliveries	12	219	504	477	308	342	870	300	36	0	0	3413
	Spreading Deliveries	12	219	504	477	308	342	870	300	36	0	0	3413
ES via K. East	Total Diverted	0	0	0	0	0	0	0	0	0	0	0	0
	Irrigation Deliveries	0	0	167	934	63	2489	3826	0	0	0	0	769
	Spreading Deliveries	0	0	167	476	63	2612	3357	0	0	0	0	6645
Buena Vista	Total Diverted	0	0	0	0	0	0	0	0	0	0	0	0
	Irrigation Deliveries	0	0	0	0	0	0	0	0	0	0	0	0
	Spreading Deliveries	0	0	0	0	0	0	0	0	0	0	0	0
Stine	Total Diverted	0	0	0	0	0	0	0	0	0	0	0	0
	Irrigation Deliveries	0	0	0	0	0	0	0	0	0	0	0	0
	Spreading Deliveries	0	0	0	0	0	0	0	0	0	0	0	0
Farmers	Total Diverted	0	0	0	0	0	0	0	0	0	0	0	0
	Irrigation Deliveries	0	0	0	0	0	0	0	0	0	0	0	0
	Spreading Deliveries	0	0	0	0	0	0	0	0	0	0	0	0
Other	Total Diverted	0	0	0	0	0	0	0	0	0	0	0	0
	Irrigation Deliveries	0	0	0	0	0	0	0	0	0	0	0	0
	Spreading Deliveries	0	0	0	0	0	0	0	0	0	0	0	0
Kern Delta WD Total	Total Diverted	698	2089	2857	2440	1483	10558	13143	3863	2109	410	260	42849
	Irrigation Deliveries	470	1796	2687	2032	1483	9408	10251	2197	1151	241	135	34737
	Spreading Deliveries	228	293	170	408	0	0	0	0	0	0	0	8109

KERN DELTA WATER DISTRICT
STATE AQUEDUCT EXCHANGE DIVERSION RECAPITULATION

YEAR 1985

Quantities in acre-feet

	Kern Island	Eastside	ES via Kl, East of Central & Rim	Buena Vista	Stine	Farmers	Other	TOTAL
1984 Carryover	0	0	0	0	0	0	0	0
Nov.	109	250	0	0	0	0	0	359
Dec.	168	518	12	0	0	0	0	698
Jan.	636	1234	219	0	0	0	0	2089
Feb.	480	990	504	131	0	716	4	2825
Mar.	1,393	2,992	735	131	0	716	4	5,971
Total								

6000
6000
5641
4943
2854
29

	Kern Island	Eastside	ES via Kl, East of Central & Rim	Buena Vista	Stine	Farmers	Other	TOTAL
1985 Contract	0	0	0	0	0	0	0	0
Mar.	432	647	477	890	0	0	0	2446
Apr.	577	676	345	0	85	0	0	1483
May	555	936	308	0	720	0	0	2519
June	0	0	0	0	0	0	0	0
July	335	1035	546	3005	2492	1432	0	9045
Aug.	49	486	300	0	2226	296	0	3657
Sep.	8	663	36	0	916	494	0	2107
Oct.	0	139	0	0	0	133	0	272
Nov.	1,756	5,072	2,012	3,895	6,639	2,355	0	21,729
Total								

27729
27729
25283
23800
21281
21281
12236
8379
6272
6,000

1985 Carryover	0	89	0	0	0	45	0	134
Nov.	44	216	0	0	0	0	0	260
Dec.	44	365	0	0	0	45	0	394
Total								

6000
5866
5,606

CITY OF BAKERSFIELD

1985

Year

KERN RIVER CHANNEL OPERATIONS
CITY OF BAKERSFIELD

Quantities in Acre-Feet

Month	Kern River at First Point	Computed Loss	Beardsley @ Head	Carrier @ Head	Rocky Point Weir	Carrier Gate	F.S.A.		River Loss to Calloway @ Head	River Loss to Calloway	Calloway Weir	CVC TO #4 to River	CVC TO #3 to River	Frian-Kern Inflow	River Canal from River	River Loss to Cally. to River Canal	River Canal Weir	Pioneer Turn-Out	CVC TO #2 to River	Rosedale Channel @ Head	River Loss to Riv. Canal to Stockdale Hwy	Flow @ Stockdale Hwy	CVC TO #1 to River	Pioneer Flow to River	River Channel @ 2nd Point	2,800 Acre Percolation & Spreading		
							to River	from River																				
Jan	40133	676	4713	34744	0	0	10143	0	9677	466	0	24	0	0	0	24	0	0	0	6097	0	522	331	0	0	0	0	331
Feb	48686	611	14733	33342	0	0	1371	0	1194	177	0	38	46	600	0	165	519	16	0	0	0	464	71	0	0	0	0	71
Mar	53821	676	20487	32638	20	0	1769	0	1519	254	16	0	199	0	0	215	0	22	0	0	0	22	0	0	0	0	0	
Apr	56358	655	2762	27941	0	0	2747	0	2565	242	0	0	0	0	0	0	0	71	0	0	0	71	0	0	0	0	0	
May	72506	676	36760	26464	8600	0	393	3921	2714	2358	0	0	203	0	0	203	0	42	0	0	0	42	0	0	0	0	0	
June	98757	655	36819	35086	26197	0	0	19485	3657	1469	2186	0	0	0	0	2186	0	73	0	0	0	73	0	0	0	0	0	
July	111385	676	42948	44663	23098	0	0	17240	3692	810	1456	0	0	0	0	1456	0	10	0	0	0	10	0	0	0	0	0	
Aug	77728	676	25523	36905	14624	0	0	9987	3233	716	688	0	294	0	0	982	0	0	0	0	0	0	0	0	0	0	0	
Sep	34973	655	11199	23119	0	0	2945	0	2404	507	34	0	3687	0	0	2907	214	0	0	0	0	214	0	0	0	0	0	
Oct	25305	676	12230	12399	0	0	2844	0	2135	570	139	1355	0	0	0	1494	0	0	0	0	0	0	0	1324	0	0	0	
Nov	20333	655	4108	8848	6722	0	4747	24	1394	827	9224	994	149	0	0	7667	2700	0	0	0	1323	1377	0	12916	0	0	0	0
Dec	28986	676	11042	8462	8866	0	2960	256	3957	859	6754	383	456	0	0	5286	2307	1539	412	2693	0	1565	0	1635	0	0	0	
Year	66697	746	28333	32451	88127	0	2919	15913	37381	9255	20497	2794	4434	600	0	22585	5740	8723	412	10113	0	4260	402	15055	0	0	0	15457

1985
Year

CARRIERS CANAL OPERATIONS

Quantities in Acre-Feet

MONTH	CARRIER @ HEAD	CARRIER WASTE GATE	CARRIER RECLAMATION	EASTSIDE	KERN ISLAND	LEVEE	FARMER-STINE-ANDERSON		CARRIER BELOW FSA	CASTRO	STINE	CARRIER SPREADING	ARVIN-EDISON	TOTAL CARRIER LOSS	RIVER CANAL FROM RIVER	RIVER CANAL @ STOCKDALE HIGHWAY	BUENA VISTA @ HEAD	JAMES @ HEAD	PIONEER TURN OUT	RIVER CANAL @ ALT. SECOND POINT
	+	-	=	-	-	=	TO RIVER	FROM RIVER	=	-	-	-	-	-	+	=	-	-	-	=
JAN	34744	0	35317	518	8511	226328	10143	0	16185	0	293	0	7813	84	0	7238	288	0	6150	0
FEB	33342	0	33342	1234	10367	21741	1371	0	26370	0	2630	0	0	801	0	16939	4701	0	16	12222
MAR	32635	0	32635	1983	14934	15721	1769	0	13952	0	6323	0	317	951	0	6361	3382	0	22	2457
APR	27941	0	27941	2745	14880	10316	2747	0	7569	0	4399	0	0	961	0	2209	2135	0	71	0
MAY	26464	0	26464	3176	14364	8924	396	3921	12452	0	4494	0	4078	893	0	2987	2612	0	42	333
JUNE	35886	0	35886	3570	26973	10543	0	19465	30028	0	7829	0	522	1061	0	26616	7182	0	73	13361
JULY	44663	0	44663	3328	23236	18099	0	17240	35339	0	7525	0	0	986	0	26828	7416	0	10	19402
AUG	36905	0	36905	2255	18758	15892	0	9987	25879	0	6740	0	728	887	0	17524	6012	0	0	11512
SEP	23119	0	23119	992	8644	13483	2945	0	10538	0	2767	0	0	879	0	6952	1680	0	0	5272
OCT	12399	0	12399	655	6752	4992	2844	0	2146	0	954	0	0	647	0	547	547	0	0	0
NOV	8848	0	8848	232	3076	5540	4747	24	817	0	0	359	0	355	0	103	103	0	0	0
DEC	8402	0	8402	216	2339	5847	2960	256	3143	0	591	696	0	317	0	1539	0	0	1539	0
YEAR	324551	0	325124	26904	146834	157426	29919	50913	178420	0	44485	1055	13458	9579	0	161643	36661	0	8723	65059

Notes: 1) Includes 573 acre-feet of oilfield discharge water. 2) Includes 40 acre-feet of oilfield discharge water.

KERN RIVER GROUNDWATER REPLENISHMENT OPERATIONS
FIRST POINT GROUP FACILITIES

Year: 1985

Quantities in acre-feet

LOCATION	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec	Total
CITY OF BAKERSFIELD													
Kern River Laterals	0	0	0	0	0	0	0	0	0	0	0	0	0
Carrier Spreading	0	0	0	0	0	0	0	0	0	0	359	696	1,055
Calloway - Central - ID#4	17	46	41	145	50	38	43	16	0	0	0	2413	2,809
Kern River Conduit	0	0	0	0	0	0	0	0	0	0	0	0	0
Upstream of 2800 Ac. Spdg. Fac.	1216	994	1243	1274	3293	4789	3262	2291	1420	1356	9483	7699	37,320
2800 Acre Spdg. Fac.	331	0	0	0	0	0	0	0	0	0	0	0	331
Subtotal City of Bakersfield	1564	1040	1284	1419	3343	4827	3305	2307	1420	1356	9442	10208	41,515
CITY/OTHERS FACILITIES													
Pioneer (JPID)	0	0	0	0	0	0	0	0	0	0	0	0	0
James (JPID)	0	0	0	0	0	0	0	0	0	0	0	0	0
BVWSD-2800 Ac. Spdg. Fac.	0	0	0	0	0	0	0	0	0	0	0	0	0
HWD-2800 Acre Spdg. Fac.	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale RBWSD	6097	0	0	0	0	0	0	0	0	0	1323	2493	10,113
TOTAL	7,661	1,040	1,284	1,419	3,343	4,827	3,305	2,307	1,420	1,356	10,765	12,901	51,628
KERN DELTA WD													
Kern Island	0	0	0	0	0	0	0	0	0	0	0	0	0
Eastside	0	0	0	0	0	0	0	0	0	0	0	0	0
Buena Vista	0	0	0	0	0	0	0	0	0	0	0	0	0
Stine	0	0	0	0	0	0	0	0	0	0	0	0	0
Farmers	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL KERN DELTA WD	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWS													
Calloway - NKWS	3667	0	0	0	0	0	0	0	0	0	0	0	3,667
District Spreading Ponds	7443	338	0	0	0	208	0	0	0	0	0	10413	18,402
Poso Creek Spreading	197	0	0	0	0	44	0	0	0	0	0	374	615
TOTAL NORTH KERN WSD	11,307	338	0	0	0	252	0	0	0	0	0	10,787	22,684
TOTAL - ALL UNITS	18,968	1,378	1,284	1,419	3,343	5,079	3,305	2,307	1,420	1,356	10,765	23,688	74,312

Monthly Summary of Entitlement, Exchanges, Diversions, Deliveries, Losses & Sales

CITY OF BAKERSFIELD

Year 1985

Quantities in acre-feet	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement	+ 1180	1085	19100	28327	30215	22949	15784	3027	216	10	621	196	121,710
Release	± 11775	9	30	0	285	203	0	200	928	1220	626	638	15,914
Entitlement + or - Releases	= 12955	1094	19130	28327	30500	23152	15784	3227	144	1230	1247	1834	137,624
NKWSD to City	+ 0	0	0	0	0	0	0	0	34	103	6532	2876	9,550
From Storage	+ 2208	115	0	0	20	13602	16505	22821	35	1	0	0	55,307
Into Storage	- 91	4625	12917	21506	12625	5633	655	0	249	0	190	600	60,091
Other	± 0	4374	0	0	0	0	0	0	0	0	1173	0	5,547
Total Supply =	15,072	958	6,213	6,821	17,895	31,121	29,634	26,048	964	1,339	7,762	4,110	147,937
Lake Ming	16	16	44	60	77	105	127	121	91	65	42	26	790
North Kern WSD	0	0	0	0	55	13615	13617	11442	0	0	0	0	38,729
Cawelo Water District	112	249	2700	2700	7400	8900	8900	7975	0	0	0	0	35,936
K-TWD: via Station "18"	0	0	351	238	252	43	0	27	0	0	0	0	1,211
K-TWD: via KDWD	0	0	36	44	0	65	137	119	0	0	0	0	401
K-TWD/RGWD: via Calloway	0	0	1519	2505	274	3657	3592	3111	0	0	0	0	16,498
Rosedale Rio Bravo WSD	6097	0	0	0	0	0	0	0	0	0	1323	2673	10,113
James-Pioneer ID	0	0	0	0	0	0	0	0	0	0	0	0	0
Rosedale Ranch ID	0	0	0	0	0	0	0	0	0	0	0	0	0
via Arvin-Edison T.O.	7813	0	317	0	4078	522	0	728	0	0	0	0	13,458
Minnehoma Land & Fmg.	2	10	4	0	0	0	0	0	0	0	0	0	16
Central Service Area	16	0	0	0	0	0	0	0	0	0	0	0	16
via Calloway Canal	0	0	0	0	0	0	0	0	10	892	1249	1125	3,276
I.D. #4: via KDWD	0	0	0	0	0	0	0	0	0	0	4	0	4
I.D. #4: Carrier Spdg.	0	0	0	0	0	0	0	0	0	0	46	0	46
2800 Acre Banking	331	0	0	0	0	0	0	0	0	0	0	0	331
River and Carrier Loss	685	683	1242	1274	3319	4764	3261	2275	863	382	5098	266	24,112
Total Diverted =	15,072	958	6,213	6,821	17,895	31,121	29,634	26,048	964	1,339	7,762	4,110	147,937
In	91	4625	12917	21506	12625	5633	655	0	249	0	1190	600	60,091
Evaporation Loss	100	140	254	734	1256	1374	1293	748	401	334	68	95	6,897
Out	2208	115	0	0	20	13602	16505	22821	35	1	0	0	55,307
Storage (end of month)	16795	21165	33828	54600	65949	56606	39463	15894	15707	15372	16394	16899	

SUPPLY

DIVERSIONS

RESERVOIR

CITY of BAKERSFIELD STATUS of LONG TERM CONTRACTS

Quantities in
acre-feet

CAWELO WD					
Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract Delivered	Cumulative Contract Delivery	Basic Contract Balance
1977	27000	27000	5024	5024	21976
1978	27000	54000	35404	40428	13572
1979	27000	81000	36780	77208	3792
1980	27000	108000	30792	108000	0
1981	27000	135000	27000	135000	0
1982	27000	162000	27000	162000	0
1983	27000	189000	27000	189000	0
1984	27000	216000	27000	216000	0
1985	27000	243000	27000	243000	0
1986					

NORTH KERN WSD					
Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract Delivered	Cumulative Contract Delivery	Basic Contract Balance
1977	20000	20000	20000	20000	0
1978	20000	40000	20000	40000	0
1979	20000	60000	20000	60000	0
1980	20000	80000	20000	80000	0
1981	20000	100000	20000	100000	0
1982	20000	120000	20000	120000	0
1983	20000	140000	20000	140000	0
1984	20000	160000	20000	160000	0
1985	20000	180000	20000	180000	0
1986					

RAG GULCH WD					
Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract Delivered	Cumulative Contract Delivery	Basic Contract Balance
1977	3000	3000	449	449	2551
1978	3000	6000	3550	3999	2001
1979	3000	9000	3550	7549	1451
1980	3000	12000	3550	11099	901
1981	3000	15000	3550	14649	351
1982	3000	18000	3351	18000	0
1983	3000	21000	3000	21000	0
1984	3000	24000	3000	24000	0
1985	3000	27000	3000	27000	0
1986					

KERN-TULARE WD					
Year	Basic Contract Amount	Cumulative Contract Amount	Basic Contract Delivered	Cumulative Contract Delivery	Basic Contract Balance
1977	20000	20000	4673	4673	15327
1978	20000	40000	23690	28363	11637
1979	20000	60000	24122	52485	7515
1980	20000	80000	23403	75888	4112
1981	20000	100000	23700	99588	412
1982	20000	120000	20412	120000	0
1983	20000	140000	20000	140000	0
1984	20000	160000	20000	160000	0
1985	20000	180000	20000	180000	0
1986					

CITY OF BAKERSFIELD
Deliveries to Long Term Contractors
Firm Contract

1985

Year

Quantities in acre-feet

	NORTH KERN WSD		CAWELO WD		KERN-TULARE WD		RAG GULCH WD		MONTH TOTALS	
	Firm	Accum	Firm	Accum	Firm	Accum	Firm	Accum	Firm	Accum
JAN	0	0	0	0	0	0	0	0	0	0
FEB	0	0	0	0	0	0	0	0	0	0
MAR	0	0	2700	2700	2181	2181	300	300	5181	5181
APR	0	0	2700	5400	2729	4910	300	600	5729	10910
MAY	0	0	5400	10800	4928	9838	600	1200	10928	21838
JUN	0	0	5400	16200	1000	13838	600	1800	10000	31838
JUL	10000	10000	5400	21600	2798	16636	600	2400	18798	50636
AUG	10000	20000	5400	27000	3364	20000	600	3000	19364	70000
SEP	0	20000	0	27000	0	20000	0	3000	0	70000
OCT	0	20000	0	27000	0	20000	0	3000	0	70000
NOV	0	20000	0	27000	0	20000	0	3000	0	70000
DEC	0	20000	0	27000	0	20000	0	3000	0	70000
YEAR TOTAL	20,000		27,000		20,000		3,000		70,000	

DISCHARGE IN CUBIC FEET PER SECOND
(Basic Contract)

1985 CITY OF BAKERSFIELD DIVERTED TO NORTH KERN WSD
(does not include deliveries into Isabella storage)

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

1985 CITY OF BAKERSFIELD DIVERTED TO NORTH KERN WSD
(pursuant to City/NKWS letter agreement dated May 10, 1985)

DISCHARGE IN CUBIC FEET PER SECOND
(2800 Acre Well Exch.)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	51	243	246	231	41	0	0	0
MAX.	0	0	0	0	5	9	8	8	8	0	0	0
MIN.	0	0	0	0	0	0	7	0	0	0	0	0
MEAN	0	0	0	0	2	8	8	7	1	0	0	0
TOTAL AC. FT.	0	0	0	0	101	482	488	458	82	0	0	0

WHOLE YEAR:- TOTAL, 812 MAXIMUM, 9 MEAN, 2 TOTAL AC. FT., 1,611

DISCHARGE IN CUBIC FEET PER SECOND
(Basic Contract)

1985

CITY OF BAKERSFIELD DIVERTED TO CAWELO WD

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	64	89	164	201	222	211	0	0	0	0
2			69	95	160	170	215	209				
3			14	91	161	200	221	189				
4			109	91	157	181	215	184				
5			112	80	159	189	214	188				
6			74	90	172	171	212	180				
7			73	105	175	184	208	189				
8			64	105	181	140	221	167				
9			62	123	160	132	220	199				
10			42	140	170	185	228	192				
11			40	139	157	185	223	192				
12			46	141	161	225	230	187				
13			58	69	154	221	90	184				
14			56	0	160	223	0	162				
15			54		164	95		63				
16			46		184	0		0				
17			44		88							
18			53		0							
19			46									
20			51									
21			42									
22			59									
23			52									
24			41									
25			0									
26												
27												
28												
29												
30												
31												
TOTAL	0	0	1,361	1,361	2,723	2,722	2,722	2,722	0	0	0	0
MAX.			112	141	184	223	230	211				
MIN.			0	0	0	0	0	0				
MEAN			44	45	88	91	88	88				
TOTAL AC. FT.	0	0	2,700	2,700	5,400	5,400	5,400	5,400	0	0	0	0

WHOLE YEAR:- TOTAL, 13,611

MAXIMUM, 230

MINIMUM, 0

MEAN, 37

TOTAL AC. FT., 27,000

DISCHARGE IN CUBIC FEET PER SECOND
(Miscellaneous)

1985

CITY OF BAKERSFIELD DIVERTED TO CAMELO WD

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	15	0	0	0	0	0	0	0	0	0	0
2	0	27	0	0	0	0	0	0	0	0	0	0
3	0	26	0	0	0	0	0	0	0	0	0	0
4	0	26	0	0	0	0	0	0	0	0	0	0
5	0	27	0	0	0	0	0	0	0	0	0	0
6	0	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	124	0	0	0	0	0
14	0	0	0	0	0	0	208	42	0	0	0	0
15	0	0	0	0	0	122	220	42	0	0	0	0
16	0	0	0	0	0	211	220	161	0	0	0	0
17	0	0	0	0	0	219	215	157	0	0	0	0
18	0	0	0	0	0	209	215	159	0	0	0	0
19	0	0	0	0	0	221	228	167	0	0	0	0
20	0	0	0	0	0	220	206	150	0	0	0	0
21	0	0	0	0	0	222	149	152	0	0	0	0
22	0	0	0	0	0	223	0	136	0	0	0	0
23	0	0	0	0	0	118	0	124	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	13	0	0	0	0	0	0	0	0	0	0	0
29	14	0	0	0	0	0	0	0	0	0	0	0
30	13	0	0	0	0	0	0	0	0	0	0	0
31	17	0	0	0	0	0	0	0	0	0	0	0
TOTAL	57	125	0	0	1,008	1,765	1,765	1,298	0	0	0	0
MAX.	17	28	0	0	265	223	220	167	0	0	0	0
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	4	0	0	33	59	57	42	0	0	0	0
TOTAL AC. FT.	112	249	0	0	2,000	3,500	3,500	2,575	0	0	0	0

WHOLE YEAR:- TOTAL, 6,018 MAXIMUM, 223 MINIMUM, 0 MEAN, 16 TOTAL AC. FT., 11,936

CITY OF BAKERSFIELD DIVERTED TO CAWEL0 WD

1985

DISCHARGE IN CUBIC FEET PER SECOND
(Non-Kern River)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	9	3	9	9	6	7	8	6	7	3
2			8	2	7	7	9	7	7	6	7	0
3			8	3	7	10	3	8	5	6	6	
4			10	9	10	9	3	6	5	7	6	
5		0	7	10	6	6	7	7	5	7	4	
6		8	9	9	9	10	8	7	6	8	6	
7		5	8	7	7	7	9	6	6	8	4	
8		7	5	8	5	9	8	6	4	8	6	
9		7	7	4	5	7	7	5	7	8	7	
10		7	11	10	4	9	6	6	7	7	7	
11		6	8	8	5	7	8	6	7	9	7	
12		2	3	6	6	9	4	7	6	8	7	0
13		6	6	9	6	6	6	7	7	9	6	6
14		3	5	9	6	7	9	6	7	8	5	6
15		6	7	3	6	5	9	6	7	8	6	6
16		7	5	5	7	6	6	6	7	8	6	6
17		10	4	7	7	6	8	6	7	5	6	6
18		7	3	6	8	9	6	5	7	4	6	6
19		7	6	6	9	7	7	5	4	5	6	6
20		7	6	6	7	6	6	7	7	6	6	6
21		8	9	8	8	6	8	7	8	9	5	6
22		7	4	6	7	6	8	7	7	6	6	6
23		11	11	7	8	6	5	8	7	6	6	6
24		9	6	6	5	10	5	8	6	6	6	6
25		5	6	6	8	3	8	8	6	6	6	6
26		8	6	6	8	6	7	6	4	7	7	6
27		9	7	6	6	3	6	7	7	7	7	
28		8	9	6	7	6	2	7	5	7	7	
29			6	8	2	5	6	6	6	7	0	
30			5	5	9	4	5	6	4	7	3	
31	0		7	9	9	6	6	7	6	6	6	0
TOTAL	0	160	209	196	214	206	196	204	183	216	123	64
MAX.		11	11	10	10	10	9	8	8	9	7	6
MIN.		0	3	2	2	3	2	5	4	4	0	0
MEAN		6	7	7	7	7	6	7	6	7	4	2
TOTAL AC. FT.	0	317	415	389	425	409	389	404	362	428	244	127
WHOLE YEAR:- TOTAL, 1,971												
MEAN, 5												
MINIMUM, 0												
MAXIMUM, 11												
TOTAL AC. FT., 3,909												

DISCHARGE IN CUBIC FEET PER SECOND 1985

BUENA VISTA WSD DIVERTED TO CAWALO WD

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	0	0	0	0	0	0	99	77	20	0
2	0	0	0	0	0	0	0	0	105	79	0	0
3	0	0	0	0	0	0	0	0	107	77	0	0
4	0	0	0	0	0	0	0	0	105	75	0	0
5	0	0	0	0	0	0	0	0	104	75	0	0
6	19	19	0	0	0	0	0	0	107	73	0	0
7	11	11	0	0	0	0	0	0	104	70	0	0
8	8	8	0	0	0	0	0	0	103	84	0	0
9	22	22	0	0	0	0	0	0	67	78	0	0
10	8	8	0	0	0	0	0	0	63	76	0	0
11	9	9	0	0	0	0	0	0	66	74	0	0
12	13	13	0	0	0	0	0	0	65	69	0	0
13	10	10	55	55	0	0	0	0	14	76	0	0
14	25	25	149	149	0	0	0	0	12	87	0	0
15	21	21	160	160	0	0	0	0	11	87	0	0
16	31	31	158	158	0	0	0	0	30	88	0	0
17	27	27	132	132	0	0	0	0	19	86	0	0
18	30	30	161	161	0	0	0	0	46	97	0	0
19	31	31	105	105	0	0	0	0	52	91	0	0
20	32	32	99	99	0	0	0	0	50	88	0	0
21	29	29	40	40	0	0	58	0	46	92	0	0
22	31	31	126	126	69	0	215	0	66	64	0	0
23	52	52	124	124	178	94	217	15	68	60	0	0
24	55	55	125	125	212	231	212	128	68	43	0	0
25	59	59	83	83	206	222	217	131	68	42	0	0
26	69	69	86	86	205	225	213	138	79	41	0	0
27	69	69	59	63	213	227	211	111	79	42	0	0
28	77	77	53	62	204	223	211	99	76	41	0	0
29	77	77	79	159	209	221	211	105	76	42	0	0
30	77	77	72	163	205	209	212	110	80	43	0	0
31	0	0	83	0	203	215	215	0	0	43	0	0
TOTAL	0	738	553	2,458	1,904	1,655	2,187	837	2,090	2,180	20	0
MAX.	0	77	86	164	213	231	217	138	107	97	20	0
MIN.	0	0	0	0	0	0	0	0	11	41	0	0
MEAN	0	26	18	82	61	55	71	27	76	70	1	0
TOTAL AC. FT.	0	1,464	1,096	4,875	3,776	3,282	4,338	1,660	4,140	4,324	39	0

WHOLE YEAR:-	TOTAL, 14,622	MAXIMUM, 231	MINIMUM, 0	MEAN, 40	TOTAL AC. FT., 29,000
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RECAPITULATION OF CITY OF BAKERSFIELD DIVERSIONS FOR K-TWD & RGWD

1985

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Basic Contract Diverted +	0	0	2481	3029	5528	4600	3398	3964	0	0	0	0	23,000
Misc. Quantity Diverted +	0	0	0	0	4130	2102	1968	1645	0	0	0	0	9,845
Total Diverted =	0	0	2481	3029	9658	6702	5366	5609	0	0	0	0	32,845
via Kern Delta WD +	0	0	36	44	0	65	137	119	0	0	0	0	401
via Calloway River Weir +	0	0	0	0	0	580	0	0	0	0	0	0	580
via Calloway Canal Head	0	0	1519	2505	2714	3057	3120	2303	0	0	0	0	15,218
River Transportation Loss	0	0	234	242	2358	825	141	537	0	0	0	0	4,317
Diverted to Cally. Canal Hd. +	0	0	1733	2747	5072	3862	3261	2840	0	0	0	0	19,535
+Total Basic Contract to I.D. #4 =	0	0	1789	2791	5072	4507	3398	2959	0	0	0	0	20,516
via Calloway River Weir +	0	0	0	0	0	1554	1456	688	0	0	0	0	3,698
via Calloway Canal Head	0	0	0	0	0	0	472	808	0	0	0	0	1,280
River Transportation Loss	0	0	0	0	0	0	40	149	0	0	0	0	189
Diverted to Cally. Canal Hd. +	0	0	0	0	0	0	512	957	0	0	0	0	1,469
+Total Miscellaneous to I.D. #4 =	0	0	0	0	0	1554	1968	1645	0	0	0	0	5,167
Grand Total to I.D. #4	0	0	1789	2791	5072	6061	5366	4604	0	0	0	0	25,683
Basic via Sta. "B" for K-TWD	0	0	351	238	252	93	0	77	0	0	0	0	1,011
Basic via Sta. "B" for Cawelo WD	0	0	0	0	0	0	0	200	0	0	0	0	200
Delivered to Arvin-Edison T.O. +	0	0	317	0	182	0	0	728	0	0	0	0	1,227
Prorated Share of Carrier Loss +	0	0	24	0	22	0	0	0	0	0	0	0	46
Diverted to Arvin-Edison T.O. =	0	0	341	0	204	0	0	728	0	0	0	0	1,273
Delivered to Arvin-Edison T.O. +	0	0	0	0	3816	522	0	0	0	0	0	0	4,418
Prorated Share of Carrier Loss +	0	0	0	0	234	26	0	0	0	0	0	0	260
Diverted to Arvin-Edison T.O. =	0	0	0	0	4130	548	0	0	0	0	0	0	4,678
Total Delivered to Arvin-Edison T.O. +	0	0	317	0	4078	522	0	728	0	0	0	0	5,645
Total Prorated Share of Carrier Loss +	0	0	24	0	256	26	0	0	0	0	0	0	306
Total Diverted to Arvin-Edison T.O. =	0	0	341	0	4334	548	0	728	0	0	0	0	5,951

DISCHARGE IN CUBIC FEET PER SECOND
(Basic Contract)

1985

CITY OF BAKERSFIELD DIVERTED FOR KERN-TULARE WD
VIA C.W.D. PUMP STATION "B"

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	15	0	7	0	0	1	0	0	0	0
2			16		7			2				
3			15		7			1				
4			15		6			0				
5			16		7			1				
6			16		8			1				
7			15	0	7	8		2				
8			15	0	7	7		2				
9			0	0	7	8		1				
10				0	7	8		2				
11				0	0	9		0				
12				8	0	0		1				
13				7	0	0		2				
14				8	0	0		1				
15				2	0	0		2				
16				0	0	0		1				
17					0	0		0				
18					0	0		0				
19				0	0	0		0				
20				5	8	0		2				
21				5	9	0		0				
22				5	8	0		1				
23				5	8	0		3				
24				7	0	0		1				
25				5	0	0		2				
26				7	4	0		1				
27				7	5	0		2				
28				7	0	0		0				
29				7	0	0		5				
30				7	0	0		1				
31				7	0	0		103				
TOTAL	0	0	177	120	127	47	0	140	0	0	0	0
MAX.			16	8	9	9		100				
MIN.			0	0	0	0		0				
MEAN			6	4	4	2		5				
TOTAL AC. FT.	0	0	351	238	252	93	0	277	0	0	0	0

WHOLE YEAR- TOTAL, CFS	611	MAXIMUM, CFS	103	MINIMUM, CFS	0	MEAN, CFS	2	TOTAL AC. FT.	1,211
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DISCHARGE IN CUBIC FEET PER SECOND
(Basic Contract)

1985

CITY OF BAKERSFIELD DIVERTED FOR KERN-TULARE WD
VIA ARVIN-EDISON TURNOUT

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	172	0	103	0	0	367	0	0	0	0
MAX.	0	0	76	0	76	0	0	236	0	0	0	0
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	6	0	3	0	0	12	0	0	0	0
TOTAL AC. FT.	0	0	341	0	204	0	0	728	0	0	0	0

WHOLE YEAR:- TOTAL, 642

MAXIMUM, 236

MINIMUM, 0

MEAN, 2

TOTAL AC. FT., 1,273

DISCHARGE IN CUBIC FEET PER SECOND
(Basic Contract)

1985

CITY OF BAKERSFIELD DIVERTED FOR KERN-TULARE WD
VIA CALLOWAY CANAL (I.D. # 4 Treatment Plant)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	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	33	37	0	0	0	0	0	0	0
5	0	0	0	41	142	48	2	0	0	0	0	0
6	0	0	8	54	116	70	57	0	0	0	0	0
7	0	0	24	36	48	69	57	27	0	0	0	0
8	0	0	22	49	93	78	38	81	0	0	0	0
9	0	0	25	49	85	75	60	63	0	0	0	0
10	0	0	25	47	94	78	64	63	0	0	0	0
11	0	0	33	50	87	75	67	68	0	0	0	0
12	0	0	33	50	85	61	59	62	0	0	0	0
13	0	0	35	58	71	65	58	64	0	0	0	0
14	0	0	33	50	85	66	58	74	0	0	0	0
15	0	0	29	54	72	61	60	62	0	0	0	0
16	0	0	31	60	72	61	62	65	0	0	0	0
17	0	0	37	60	60	63	59	67	0	0	0	0
18	0	0	26	45	66	63	60	65	0	0	0	0
19	0	0	21	36	79	64	63	57	0	0	0	0
20	0	0	28	32	75	54	64	64	0	0	0	0
21	0	0	25	23	74	57	57	65	0	0	0	0
22	0	0	27	37	74	57	60	66	0	0	0	0
23	0	0	37	43	75	62	60	68	0	0	0	0
24	0	0	38	43	79	57	68	69	0	0	0	0
25	0	0	30	39	85	58	78	69	0	0	0	0
26	0	0	26	35	73	51	68	68	0	0	0	0
27	0	0	29	52	83	62	50	68	0	0	0	0
28	0	0	26	52	78	67	0	68	0	0	0	0
29	0	0	25	51	75	62	0	67	0	0	0	0
30	0	0	31	43	65	56	0	65	0	0	0	0
31	0	0	32	66	66	0	0	66	0	0	0	0
TOTAL	0	0	733	1,234	2,254	1,644	1,341	1,129	0	0	0	0
MAX.	0	0	37	60	142	78	70	81	0	0	0	0
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	24	41	73	55	43	36	0	0	0	0
TOTAL AC. FT.	0	0	1,453	2,447	4,472	3,262	2,661	2,240	0	0	0	0

WHOLE YEAR-- TOTAL, 8,335	MAXIMUM, 142	MEAN, 23	TOTAL AC. FT., 16,535
	MINIMUM, 0		

1985
 DISCHARGE IN CUBIC FEET PER SECOND
 (Basic Contract) CITY OF BAKERSFIELD DIVERTED FOR KERN-TULARE WD
 VIA KERN DELTA WD (I.D. # 4 Irrigation)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	0	3	0	0	6	4	0	0	0	0
2	0	0	0	3	0	0	2	4	0	0	0	0
3	0	0	0	0	0	0	0	2	0	0	0	0
4	0	0	0	0	0	0	5	3	0	0	0	0
5	0	0	0	0	0	0	6	0	0	0	0	0
6	0	0	0	0	0	0	6	0	0	0	0	0
7	0	0	0	0	0	0	0	4	0	0	0	0
8	0	0	0	1	0	2	0	9	0	0	0	0
9	0	0	0	0	0	0	0	9	0	0	0	0
10	0	0	0	4	0	0	4	0	0	0	0	0
11	0	0	0	4	0	0	0	0	0	0	0	0
12	0	0	0	4	0	0	2	0	0	0	0	0
13	0	0	0	4	0	0	3	0	0	0	0	0
14	0	0	0	3	0	0	3	4	0	0	0	0
15	0	0	0	0	0	0	3	3	0	0	0	0
16	0	0	0	0	0	0	1	2	0	0	0	0
17	0	0	0	0	0	0	7	2	0	0	0	0
18	0	0	0	0	0	0	9	2	0	0	0	0
19	0	0	0	0	0	0	3	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	2	9	0	0	0	0
25	0	0	0	0	0	0	1	4	0	0	0	0
26	0	0	0	0	0	0	0	4	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	2	0	0	0	0	0
30	0	0	0	0	0	0	6	3	0	0	0	0
31	0	0	0	0	0	0	2	0	0	0	0	0
TOTAL	0	0	16	22	0	33	69	60	0	0	0	0
MAX.	0	0	4	4	0	7	9	9	0	0	0	0
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	1	1	1	1	2	2	0	0	0	0
TOTAL AC. FT.	0	0	36	44	0	65	137	119	0	0	0	0

WHOLE YEAR:- TOTAL, 202 MAXIMUM, 9 MINIMUM, 0 MEAN, 1 TOTAL AC. FT., 401

DISCHARGE IN CUBIC FEET PER SECOND
(Basic Contract)

1985

CITY OF BAKERSFIELD DIVERTED FOR KERN-TULARE WD
VIA CALLOWAY RIVER WEIR (I.D. #4 Spreading)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	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	16	0	0	0	0	0	0
6	0	0	0	0	0	56	0	0	0	0	0	0
7	0	0	0	0	0	35	0	0	0	0	0	0
8	0	0	0	0	0	60	0	0	0	0	0	0
9	0	0	0	0	0	84	0	0	0	0	0	0
10	0	0	0	0	0	40	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	293	0	0	0	0	0	0
MAX.	0	0	0	0	0	84	0	0	0	0	0	0
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	10	0	0	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	580	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, 293 MAXIMUM, 84 MEAN, 10 MINIMUM, 0 TOTAL AC. FT., 580

DISCHARGE IN CUBIC FEET PER SECOND
(Miscellaneous)

1985

CITY OF BAKERSFIELD DIVERTED FOR KERN-TULARE WD
VIA ARVIN-EDISON TURNOUT

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	0	0	0	29	0	0	0	0	0	0
2						26						
3						25						
4						17						
5						0						
6												
7												
8												
9												
10												
11												
12												
13												
14												
15					0							
16					106							
17					128							
18					116							
19					116							
20					161							
21					225							
22					230							
23					164							
24					73							
25					77							
26					73							
27					70							
28		0			71							
29					76							
30					76							
31					74							
TOTAL	0	0	0	0	1,906	100	0	0	0	0	0	0
MAX.					230	29						
MIN.					0	0						
MEAN					61	3						
TOTAL AC. FT.	0	0	0	0	3,780	198	0	0	0	0	0	0
WHOLE YEAR:-	TOTAL, 2,000											
	MAXIMUM, 230											
	MINIMUM, 0											
	MEAN, 5											
	TOTAL AC. FT., 3,978											

DISCHARGE IN CUBIC FEET PER SECOND
(Miscellaneous)

1985

CITY OF BAKERSFIELD DIVERTED FOR KERN-TULARE WD
VIA CALLOWAY RIVER WEIR (I.D. #4 Spreading)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	0	0	0	0	0	61	0	0	0	0
2								47				
3								56				
4								48				
5								36				
6								51				
7								19				
8						0		47				
9						32		0				
10						57						
11						70						
12						75						
13						74						
14						108						
15						81						
16						76						
17						60						
18						63						
19						8						
20						0						
21							0					
22							34					
23							97					
24							91					
25							78					
26							86					
27							88					
28		0					90					
29							88		0			
30							76			0		
31							734	347				
TOTAL	0	0	0	0	0	783	97	61	0	0	0	0
MAX.						108	0	0				
MIN.						0	0	0				
MEAN						26	24	11				
TOTAL AC. FT.	0	0	0	0	0	1,534	1,456	688	0	0	0	0

WHOLE YEAR:- TOTAL, 1,864	MAXIMUM, 108	MINIMUM, 0	MEAN, 5	TOTAL AC. FT., 3,698
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DISCHARGE IN CUBIC FEET PER SECOND
(Miscellaneous)

1985

CITY OF BAKERSFIELD DIVERTED FOR KERN-TULARE WD
VIA CALLOWAY CANAL (I.D. # 4 Treatment Plant)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	82	374	0	0	0	0
MAX.	0	0	0	0	0	0	56	70	0	0	0	0
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	3	12	0	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	162	742	0	0	0	0

WHOLE YEAR- TOTAL, 156	MAXIMUM, 70	MINIMUM, 0	MEAN, 1	TOTAL AC. FT., 904
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DISCHARGE IN CUBIC FEET PER SECOND
(Basic Contract)

1985

CITY OF BAKERSFIELD DIVERTED FOR RAG GULCH WD
VIA CALLOWAY CANAL (I.D. #4 Treatment Plant)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	30	40	49	70	50	53	0	0	0	0
2			25	40	52	90	61	59				
3			24	48	79	64	64	69				
4			32	17	123	63	64	65				
5			21	0	0	16	57	57				
6			19			0	0	0				
7			0									
8												
9												
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28		0										
29												
30				0	0	0	0	0	0	0	0	0
31												
TOTAL	0	0	151	151	303	303	302	303	0	0	0	0
MAX.			32	46	123	90	64	69				
MIN.			0	0	0	0	0	0				
MEAN			5	5	10	10	10	10				
TOTAL AC. FT.	0	0	300	300	600	600	600	600	0	0	0	0

WHOLE YEAR:- TOTAL, 1,513

MAXIMUM, 123

MINIMUM, 0

MEAN, 4

TOTAL AC. FT., 3,000

DISCHARGE IN CUBIC FEET PER SECOND
(Miscellaneous)

1985

CITY OF BAKERSFIELD DIVERTED FOR RAG GULCH WD
VIA ARVIN-EDISON TURNOUT

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	0	0	0	52	0	0	0	0	0	0
2						47						
3						47						
4						30						
5						0						
6												
7												
8												
9												
10												
11												
12												
13												
14					0							
15					10							
16					12							
17					10							
18					10							
19					15							
20					21							
21					21							
22					15							
23					7							
24					7							
25					7							
26					7							
27					6							
28					6							
29					7							
30					8							
31					7							
TOTAL	0	0	0	0	176	176	0	0	0	0	0	0
MAX.					21	52						
MIN.					0	0						
MEAN					6	6						
TOTAL AC. FT.	0	0	0	0	350	350	0	0	0	0	0	0

WHOLE YEAR:-	TOTAL, 352	MAXIMUM, 52	MINIMUM, 0	MEAN, 1	TOTAL AC. FT., 700
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DISCHARGE IN CUBIC FEET PER SECOND
(Miscellaneous)

1985

CITY OF BAKERSFIELD DIVERTED FOR RAG GULCH WD
VIA CALLOWAY CANAL (I.D. #4 Treatment Plant)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	0	0	0	0	0	0	0	0	0	0
2												
3												
4												
5								0				
6								7				
7								65				
8								36				
9								0				
10												
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
TOTAL	0	0	0	0	0	0	177	108	0	0	0	0
MAX.							65	65				
MIN.							0	0				
MEAN							6	9				
TOTAL AC. FT.	0	0	0	0	0	0	350	215	0	0	0	0

WHOLE YEAR:- TOTAL, 285	MAXIMUM, 65	MINIMUM, 0	MEAN, 1	TOTAL AC. FT., 565
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DISCHARGE IN CUBIC FEET PER SECOND
(Miscellaneous)

1985

CITY OF BAKERSFIELD DIVERTED FOR 2800 ACRE BANKING (Kern River Supply)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	59	0	0	0	0	0	0	0	0	0	0	0
2	22	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	17	0	0	0	0	0	0	0	0	0	0	0
9	32	0	0	0	0	0	0	0	0	0	0	0
10	17	0	0	0	0	0	0	0	0	0	0	0
11	10	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	167	0	0	0	0	0	0	0	0	0	0	0
MAX.	59	0	0	0	0	0	0	0	0	0	0	0
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	5	0	0	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	331	0	0	0	0	0	0	0	0	0	0	0

WHOLE YEAR: TOTAL, 167 MAXIMUM, 59 MEAN, 5 MINIMUM, 0 TOTAL AC. FT., 331

DISCHARGE IN CUBIC FEET PER SECOND

1985

CITY OF BAKERSFIELD DIVERTED FOR 2800 ACRE BANKING (Friant-Kern Supply)

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

DISCHARGE IN CUBIC FEET PER SECOND 1985 TOTAL FLOW VIA THE ROSEDALE CHANNEL AT HEAD (All Sources)
(Diverted from Kern River Channel)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	160	0	0	0	0	0	0	0	0	0	0	152
2	154	0	0	0	0	0	0	0	0	0	0	98
3	153	0	0	0	0	0	0	0	0	0	0	58
4	144	0	0	0	0	0	0	0	0	0	0	114
5	82	0	0	0	0	0	0	0	0	0	0	167
6	91	0	0	0	0	0	0	0	0	0	0	167
7	130	0	0	0	0	0	0	0	0	0	0	165
8	146	0	0	0	0	0	0	0	0	0	0	166
9	151	0	0	0	0	0	0	0	0	0	0	153
10	157	0	0	0	0	0	0	0	0	0	0	118
11	71	0	0	0	0	0	0	0	0	0	0	0
12	185	0	0	0	0	0	0	0	0	0	0	0
13	163	0	0	0	0	0	0	0	0	0	0	0
14	133	0	0	0	0	0	0	0	0	0	0	0
15	106	0	0	0	0	0	0	0	0	0	0	0
16	126	0	0	0	0	0	0	0	0	0	0	0
17	145	0	0	0	0	0	0	0	0	0	0	0
18	142	0	0	0	0	0	0	0	0	0	0	0
19	148	0	0	0	0	0	0	0	0	0	0	0
20	132	0	0	0	0	0	0	0	0	0	0	0
21	6	0	0	0	0	0	0	0	0	0	0	0
22	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	84	0	0	0	0	0	0	0	0	0	0	0
27	108	0	0	0	0	0	0	0	0	0	0	0
28	47	0	0	0	0	0	0	0	0	0	0	0
29	8	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	3,074	0	0	0	0	0	0	0	0	0	667	1,358
MAX.	185	0	0	0	0	0	0	0	0	0	167	167
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	99	0	0	0	0	0	0	0	0	0	22	44
TOTAL AC. FT.	6,097	0	0	0	0	0	0	0	0	0	1,323	2,693

WHOLE YEAR- TOTAL, 5,099 MAXIMUM, 185 MEAN, 14 MINIMUM, 0 TOTAL AC. FT., 10,113

DISCHARGE IN CUBIC FEET PER SECOND
(Miscellaneous)

1985

CITY OF BAKERSFIELD DELIVERED TO ROSEDALE RIO BRAVO WSD
VIA RRBWSD T.O.#1 OF THE CROSS VALLEY CANAL (City/I.D.#4/RRB Exch.)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	210	0	0	0
MAX.	0	0	0	0	0	0	0	0	30	0	0	0
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	7	0	0	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	416	0	0	0

WHOLE YEAR:- TOTAL, 210	MAXIMUM, 30	MINIMUM, 0	MEAN, 1	TOTAL AC. FT., 416
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DISCHARGE IN CUBIC FEET PER SECOND
(Miscellaneous)

1985

CITY OF BAKERSFIELD DELIVERED TO ROSEDALE RIO BRAVO WSD
VIA RRBWSD T.O.#2 OF THE CROSS VALLEY CANAL (City/I.D.#4/RRB Exch.)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	0	0	0	0	0	0	0	100	100	0
2	0	0	0	0	0	0	0	0	0	100	100	0
3	0	0	0	0	0	0	0	0	0	100	100	0
4	0	0	0	0	0	0	0	0	0	100	100	0
5	0	0	0	0	0	0	0	0	0	94	100	0
6	0	0	0	0	0	0	0	0	0	109	37	0
7	0	0	0	0	0	0	0	0	0	100	0	0
8	0	0	0	0	0	0	0	0	0	100	0	0
9	0	0	0	0	0	0	0	0	0	100	0	0
10	0	0	0	0	0	0	0	0	0	100	0	0
11	0	0	0	0	0	0	0	0	0	100	0	0
12	0	0	0	0	0	0	0	0	0	100	0	0
13	0	0	0	0	0	0	0	0	0	100	0	0
14	0	0	0	0	0	0	0	0	0	100	0	0
15	0	0	0	0	0	0	0	0	0	100	0	0
16	0	0	0	0	0	0	0	0	0	100	0	0
17	0	0	0	0	0	0	0	0	0	109	0	0
18	0	0	0	0	0	0	0	0	0	121	0	0
19	0	0	0	0	0	0	0	0	0	107	0	0
20	0	0	0	0	0	0	0	0	0	100	0	0
21	0	0	0	0	0	0	0	0	0	100	0	0
22	0	0	0	0	0	0	0	0	0	109	0	0
23	0	0	0	0	0	0	0	0	0	90	0	0
24	0	0	0	0	0	0	0	0	0	100	0	0
25	0	0	0	0	0	0	0	0	0	100	0	0
26	0	0	0	0	0	0	0	0	0	100	0	0
27	0	0	0	0	0	0	0	0	0	100	0	0
28	0	0	0	0	0	0	0	0	0	100	0	0
29	0	0	0	0	0	0	0	0	0	92	0	0
30	0	0	0	0	0	0	0	0	0	100	0	0
31	0	0	0	0	0	0	0	0	0	86	0	0
TOTAL	0	0	0	0	0	0	0	0	1,463	3,125	537	0
MAX.	0	0	0	0	0	0	0	0	100	121	100	0
MIN.	0	0	0	0	0	0	0	0	0	86	0	0
MEAN	0	0	0	0	0	0	0	0	49	101	18	0
TOTAL AC. FT.	0	0	0	0	0	0	0	0	2,901	6,198	1,066	0

WHOLE YEAR:- TOTAL, 6,125	MAXIMUM, 121	MEAN, 14	TOTAL AC. FT., 10,165
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ROSEDALE RIO BRAVO WATER STORAGE DISTRICT
Hydrographic and Accounting Report by City of Bakersfield

Quantities in acre-feet

Month	1	2	3	4		5		7		8	9
	(a) Friant Kern Inflow	(b) Friant Kern Delivered	(c) River Canal Transportation Charge on Column 2	Total Kern River Delivered	(d) Basic Contract No Charge (1st 4000)	acre-feet Sold at \$1.00	(e) Miscellaneous Water acre-feet Sold at \$6.00	acre-feet Sold at \$21.00	(f) Mandatory Release Delivered		
Jan	0	0	0	6097	0	0	6097	0	0	0	
Feb	0	0	0	0	0	0	0	0	0	0	
Mar	0	0	0	0	0	0	0	0	0	0	
Apr	0	0	0	0	0	0	0	0	0	0	
May	0	0	0	0	0	0	0	0	0	0	
Jun	0	0	0	0	0	0	0	0	0	0	
Jul	0	0	0	0	0	0	0	0	0	0	
Aug	0	0	0	0	0	0	0	0	0	0	
Sep	0	0	0	(g) 3317	0	0	3317	0	0	0	
Oct	0	0	0	(g) 6198	0	0	6198	0	0	0	
Nov	0	0	0	(g) 10669/1323	0	0	2389	0	0	0	
Dec	0	0	0	2693	0	0	2693	0	0	0	
Total	0	0	0	20,694	0	0	20,694	0	0	0	

3.271	=	Current Escalator	=	3.271
\$0.00	=	TOTALS	=	\$0.00
		(per 1961 Agmt.)		
20,856		1984		1984
12,292		1983		1983
31,325		1982		1982
0		1981		1981
85,167		Five Year Totals		Five Year Totals
17,033		Five Year Averages		Five Year Averages

- Notes: (a) As charged RRBWSD by U.S.B.R.
 (b) Column 1 less transportation losses.
 (c) \$0.10 per acre-foot escalated annually (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) City of Bakersfield/I.D.#4/RRBWS Exchange delivery.

	Current Escalator
\$0.00	Five Year Average Sales
	1986 PAYMENT

STATUS OF CONTRACT

per terms of

ROSEDALE RIO BRAVO WATER STORAGE DISTRICT
Service Agreement, dated August 31, 1961.

Quantities in acre-feet

Year	TOTAL DELIVERED	FRIANT KERN DELIVERED	TOTAL KERN RIVER DELIVERED	① KERN RIVER BASIC CONTRACT DELIVERED	KERN RIVER BASIC CONTRACT OBLIGATION	② CARRY FORWARD OVER <UNDER>	③ END OF YEAR CONTRACT BALANCE
							④ 60,000
1976	0	0	0	0	10000	<10000>	60,000
1977	2199	0	2199	2199	10000	<7801>	42,199
1978	76365	1371	71994	10000	10000	0	42,199
1979	14568	9921	16617	16617	10000	<5953>	36,816
1980	70790	1167	66623	10000	10000	0	36,816
1981	773	0	773	773	10000	<9227>	27,619
1982	88371	10595	17779	10000	10000	0	27,619
1983	134534	1440	133094	10000	10000	0	27,619
1984	38854	0	38854	10000	10000	0	27,619
1985	20694	0	20694	0	10000	<10000>	17,619

- 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 carry-over credit was 60,000 acre-feet as of January 1, 1976.

CITY OF BAKERSFIELD
 STATUS OF MISCELLANEOUS
 WATER DELIVERIES TO ROSEDALE RBWSD
 Pursuant to June 6, 1976 Agreement No. 76-80

Year: 1985

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
City Entitlement ± Rel.	12955	1094	19130	28327	30500	23152	13784	3227	1144	1230	1247	1834	137,624
Lake Ming	6	6	44	60	77	105	127	121	91	65	42	26	790
North Kern WSD	0	0	0	0	0	0	10000	10000	0	0	0	0	20,000
Cawelo WD	0	0	2700	2700	5400	5400	5400	5400	0	0	0	0	27,000
Kern-Tulare WD	0	0	2181	2729	4928	4000	2798	3364	0	0	0	0	20,000
Rag Gulch WD	0	0	300	300	600	600	600	600	0	0	0	0	3,000
Rosedale RBWSD (Basic)	0	0	0	0	0	0	0	0	0	0	0	0	0
Isabella Reservoir Loss	100	140	254	734	1256	1374	1293	748	401	334	168	95	6,897
River Transportation Loss	685	683	984	1032	677	1799	1624	901	827	1	0	187	9,400
1st Pt. passing 2nd Point	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	801	839	6463	7555	12938	13278	21842	21134	1319	400	210	308	87,087

Total City Miscellaneous Water...													50,537
Rosedale RBWSD 1/3 Share.....													6,846
Misc. Water Delivered to RRBWSD	+	6097	0	0	0	0	0	0	3317	6198	2389	2683	20,694
Del. Under Art.11,Sec.2.1(i)(7)	+	0	0	0	0	0	0	0	0	0	0	0	0
Total Misc. Del. to RRBWSD	=	6097	0	0	0	0	0	0	3317	6198	2389	2683	20,694
Over (Under) City Misc. Water Obligation													3,848
Prior Year Misc. Water Delivery Balance													(37,890)
Cumulative Misc. Water Delivery Balance													(34,042)

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	⊖
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)

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 CO.
CITY OF BAKERSFIELD**

YEAR 1985

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
River Entitlement +	0	0	205	4376	3656	2453	0	0	0	0	0	361	11,101
Release ±	2338	0	0	0	0	0	0	0	0	0	314	1060	3,712
Entitlement + or - =	2338	0	205	4376	3656	2453	0	0	0	0	314	1441	14,813
Oilfield Discharge +	151	78	0	0	0	0	0	0	0	0	56	172	457
Into Storage -	2338	0	41	1817	1451	617	0	0	0	0	314	1327	7,955
From Storage +	56	616	1218	0	0	663	2122	1418	613	463	28	0	7,197
To NKWSD in Storage -	0	0	0	0	0	0	0	0	0	0	0	114	114
Diverted @ Head =	207	694	1362	2559	2205	2499	2122	1418	613	463	84	172	14,398
Irrigation Deliveries -	102	597	1107	1066	938	1563	1894	1201	480	344	20	8	9,320
NKWSD @ Seventh Std. -	0	0	71	1313	1097	736	0	0	0	0	0	0	3,217
Spreading Deliveries -	79	0	0	0	0	0	0	0	0	0	38	126	243
Canal Loss =	26	97	184	180	170	200	228	217	133	119	26	38	1,618
Delivery Percentage	49%	86%	86%	93%	92%	92%	89%	85%	78%	74%	24%	5%	87%
RESERVOIR													
In	2338	0	91	1817	1451	617	0	0	0	0	314	1327	7,955
Evaporation Loss	85	73	95	180	257	328	347	321	197	148	69	44	2,144
Out	56	490	1218	0	0	663	2122	1418	613	463	28	0	11,571
Storage (end of month)	16385	11322	10100	11737	12931	12557	10088	8349	7539	6828	7145	8428	

SOUTH FORK DIVERSION RIGHT SUMMARY 1985

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Year
+ River Entitlement	615	555	40	292	305	234	18	0	99	0	280	615	3,053
+ Release	615	74	5	0	145	75	0	105	481	647	100	615	312
= Ent'l + or - Releases	0	481	35	292	450	309	18	105	580	647	448	0	3,365
- Into Isabella Storage	0	388	29	152	281	72	4	81	444	572	400	0	2,423
+ From Isabella Storage	0	0	341	38	6	175	351	329	10	0	0	0	1,250
+ Other	0	0	0	0	0	0	0	0	0	0	0	0	0
= Total Deliveries	0	493	347	178	175	412	365	353	146	75	48	0	2,192
Old South Fork	0	0	20	41	21	0	0	0	0	0	0	0	82
Panama Ranch	0	493	327	137	154	412	365	353	146	75	48	0	2,110
RESERVOIR													
Into Storage	0	388	29	152	281	72	4	81	444	572	400	0	2,423
From Storage	0	0	341	38	6	175	351	329	10	0	0	0	1,250
Transfer in Storage	0	0	0	0	0	0	0	0	0	0	1173	0	1,173
Month End Storage	600	988	676	790	1065	962	615	367	801	1373	600	600	

NORTH KERN WATER STORAGE DISTRICT

NORTH KERN WATER STORAGE DISTRICT

Quantities in acre-feet

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
NKWS River Entitlement	8940	8409	2448	34495	69108	20895	649	77	0	0	1440	5822	122,283
Release	6498	584	130	0	0	0	0	59	3338	5855	19288	20786	50,670
= Entitlement + or - Releases	15438	8993	2578	34495	69108	20895	649	136	3538	5855	14728	20560	172,953
+ From KRC & Irr. Company	0	0	71	1013	1087	736	0	0	0	0	0	114	3,331
+ From City of Bakersfield	0	0	0	0	101	14057	14063	11888	82	0	0	0	40,191
+ From Isabella Storage	2916	4064	12676	151	79	7985	25763	12889	3519	2321	799	538	73,700
- To City of Bakersfield	0	0	0	0	0	0	0	0	34	108	6532	2876	9,550
- Into Isabella Storage	3833	663	280	17256	16155	20892	22887	10720	665	605	870	3289	98,115
+ Transfer in Storage	0	0	0	0	0	0	10000	0	0	0	0	0	10,000
+ Other	440	0	0	0	0	0	0	0	0	0	4870	10190	15,520
= TOTAL DIVERTED FROM RIVER	14081	12394	15045	18703	24230	22781	27588	14193	6440	7443	3225	10857	176,990
- Loss to Seventh Standard	3722	66	54	56	56	58	61	60	66	70	116	121	4,506
+ Oilfield Discharge	228	589	625	594	635	621	599	625	577	638	508	506	6,745
+ NKWS Well Production	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Poso Creek Natural Flow	0	67	135	0	0	0	0	0	0	0	0	0	172
+ Other	0	0	0	0	0	0	0	0	0	0	0	0	0
= TOTAL DISTRICT SUPPLY	10587	12954	15761	19241	24809	23344	28126	14758	6951	8011	3627	11242	179,401
- Class 1 Deliveries	592	8097	9788	13273	18012	18627	20823	9822	3411	5725	2104	152	112,426
- Class 2 Deliveries	244	3367	4452	5049	6175	1163	0	0	0	0	464	57	20,971
- Class 2 (Special)	0	0	0	0	0	2921	6530	4129	506	1368	0	0	15,454
= TOTAL IRRIGATION USE	836	11464	14240	18322	24187	22711	27353	13951	5917	7093	2568	209	148,851
- District Spreading Ponds	7443	338	0	0	0	208	0	0	0	0	0	1043	18,402
- Poso Creek Spreading	197	37	135	0	0	44	0	0	0	0	0	374	787
= TOTAL DISTRICT USE	8476	11839	14375	18322	24187	22963	27353	13951	5917	7093	2568	10996	168,040
= TOTAL NKWS CANAL LOSS	2111	1115	1376	419	222	381	773	807	1034	918	1059	246	11,361
- In Reservoir	3833	663	280	17256	16155	20892	22887	10720	665	605	870	3289	98,115
- Evaporation Loss	361	415	502	970	1553	2424	3076	3084	1934	1487	726	400	16,932
- Out Reservoir	2916	4064	12676	151	79	7985	25763	12889	3519	2321	799	538	73,700
- Transfer in Storage	0	0	0	0	0	13575	23575	11430	0	0	0	114	48,684
- Storage (end of month)	67525	63709	50811	66946	81469	91952	86000	80747	73959	72750	72101	74452	

DISCHARGE IN CUBIC FEET PER SECOND 1985 TOTAL FLOW VIA THE BEARDSLEY CANAL (At Head of Lined Section)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	220	136	359	379	501	533	637	604	200	194	117	69
2	220	126	331	405	492	492	643	554	233	196	94	193
3	213	133	278	442	523	477	639	452	256	196	90	241
4	171	149	385	445	485	423	630	427	248	191	82	170
5	172	205	413	372	461	410	631	490	243	171	85	177
6	171	237	371	334	567	440	613	514	225	176	95	174
7	140	230	380	407	551	396	639	523	201	231	89	154
8	0	239	353	546	589	320	706	548	155	254	136	47
9		245	312	579	575	396	707	487	193	263	157	33
10		240	289	621	541	492	766	455	195	258	136	96
11		240	355	617	501	511	721	470	202	234	107	202
12		222	340	577	541	585	700	494	171	185	65	172
13		209	341	505	665	643	665	466	108	205	57	136
14		219	344	487	675	673	696	449	79	223	60	165
15		220	319	545	680	669	748	431	104	222	52	166
16		221	294	556	703	704	747	363	159	235	47	171
17		227	368	521	669	745	777	303	155	235	47	201
18		268	310	492	605	763	798	345	153	235	48	235
19		315	277	457	625	786	765	408	165	225	50	246
20		375	287	374	662	791	710	441	156	231	47	219
21		369	304	396	639	782	695	451	155	231	28	211
22		362	339	436	557	760	720	413	157	202	30	222
23	0	369	275	374	636	769	707	378	203	185	30	223
24	7	370	295	382	641	798	747	306	209	179	31	232
25	55	358	354	475	602	778	769	287	220	159	29	223
26	59	376	385	452	574	748	752	326	208	147	30	222
27	83	385	422	411	630	717	688	328	197	147	29	211
28	268	378	340	427	650	697	679	331	180	145	30	193
29	210		344	461	649	637	689	323	180	142	24	188
30	223		322	413	643	624	684	284	199	136	126	173
31	164		327		615		645	217		132		200
TOTAL	2,376	7,428	10,329	13,997	18,536	18,563	21,653	12,868	5,646	6,166	2,071	5,567
MAX.	268	385	422	621	703	798	798	604	256	263	157	248
MIN.	0	126	277	334	481	320	313	217	79	132	24	33
MEAN	77	265	333	467	598	619	698	415	185	199	69	180
TOTAL AC. FT.	4,713	14,733	20,487	27,762	36,766	36,819	42,948	25,523	11,199	12,230	4,108	11,042
WHOLE YEAR:- TOTAL,	125,200											
MAXIMUM,	798											
MINIMUM,	0											
MEAN,	343											
TOTAL AC. FT.,	248,330											

**NORTH KERN WATER STORAGE DISTRICT
BEARDSLEY CANAL DIVERSION SUMMARY 1985**

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Kern River	+ 4713	14733	20487	27762	33766	36819	42148	25523	11199	12230	4108	11042	248,330
Oilfield Discharge	+ 379	984	1040	983	1060	1030	988	1029	939	1066	808	805	11,111
C.V.C. Station "A"	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
+ Total Beardsley Supply	= 5092	15717	21527	28745	37826	37849	43936	26552	12138	13286	4916	11847	259,441
KRC & Irr. Co. #1 Lateral	+ 79	12	10	0	0	0	0	0	0	0	38	126	265
KRC & Irr. Co. #2 Lateral	+ 0	0	51	109	58	85	157	141	46	50	0	0	697
KRC & Irr. Co. #4 Lateral	+ 0	263	441	181	181	519	792	589	145	126	0	0	3,187
KRC & Irr. Co. #5 Lateral	+ 0	94	603	414	355	682	779	657	292	128	24	0	4,028
KRC & Irr. Co. Bidart Boosters	+ 102	279	125	482	483	417	333	21	76	107	0	8	2,403
KRC & Irr. Co. via NKWSD 8-1-0	+ 0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss	+ 26	46	61	60	61	60	61	60	64	52	22	38	601
- Total KRC & Irr. Co. Diverted	= 207	694	1291	1246	1108	1763	2122	1418	613	463	84	172	11,181
Kern River Supply	- 56	66	1291	1246	1108	1763	2122	1418	613	463	28	0	10,724
Oilfield Discharge Supply	= 151	76	0	0	0	0	0	0	0	0	56	172	457
C.W.D. via Pump Station "B"	+ 95	1924	3874	7361	10746	11446	12492	9682	4157	4392	1025	286	67,649
K-TWD via Pump Station "B"	+ 0	0	357	230	242	89	0	73	0	0	0	0	971
Gate 8-0-2 + Gate 8-0-10	+ 0	0	26	0	0	446	294	155	4	0	0	0	925
Gate 8-0-22 + Gate 8-0-24	+ 0	12	130	155	143	131	151	52	0	111	0	0	885
Gate 8-0-288 + Gate 8-0-289	+ 4	0	36	91	75	67	158	77	16	16	0	0	544
Gate 8-0-290 + Gate 8-0-291	+ 4	16	32	71	45	103	101	40	52	44	8	0	568
Gate 8-0-292 + Gate 8-23-006	+ 0	0	8	143	143	205	234	99	170	77	4	0	1,103
Lined Section Loss / Lerdo Loss	+ 4	76	119	151	140	197	197	168	107	110	52	26	1,402
- Total C.V.D./K-TWD Diverted	= 112	2030	4562	8202	11853	12684	13627	10316	4508	4752	1089	312	74,047
Kern River Supply	- 112	1713	4147	7813	11428	12275	13236	9912	4146	4324	845	185	70,138
Oilfield Discharge Supply	- 0	317	415	389	425	409	389	404	362	428	244	127	3,909
C.V.C. Station "A" Supply	= 0	0	0	0	0	0	0	0	0	0	0	0	0
- City via NKWSD 8-1-0	- 12	0	0	0	0	0	0	0	0	0	0	0	12
- Minnehoma Land & Farming	- 2	10	4	0	0	0	0	0	0	0	0	0	16
- Rosedale Ranch ID Diverted	- 0	0	0	0	0	0	0	0	0	0	0	0	0
- NKWSD Lined Section Loss	+ 55	66	54	56	56	58	64	60	66	76	116	121	839
= NKWSD via Lerdo Canal	+ 4704	12917	15616	19241	24809	23344	28126	14758	6951	8011	3627	11242	173,346
Kern River Supply	- 4531	12394	15045	18763	24230	22781	27588	14193	6440	7443	3235	10857	167,440
Oilfield Discharge Supply	- 228	589	625	594	635	621	599	625	577	638	508	506	6,745
C.V.C. Station "A" Supply	= 0	0	0	0	0	0	0	0	0	0	0	0	0

DISCHARGE IN CUBIC FEET PER SECOND 1985 LERDO CANAL AT SEVENTH STANDARD LINE (Total Flow)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	209	142	346	360	510	546	614	595	194	201	131	76
2	227	132	322	389	494	499	626	541	231	201	108	198
3	220	137	272	425	527	483	605	452	242	203	103	246
4	178	149	379	449	501	423	609	444	237	201	95	176
5	181	209	399	376	485	405	616	472	247	180	94	183
6	180	242	367	337	567	436	605	491	233	187	111	181
7	148	234	377	409	570	390	631	502	205	246	111	161
8	0	244	334	539	572	320	640	526	191	256	143	52
9		253	301	563	501	378	619	456	205	270	172	65
10		247	292	612	528	416	614	436	207	259	150	99
11		246	365	601	492	504	701	454	209	239	121	208
12		219	323	502	535	584	679	457	176	195	79	179
13		217	330	511	663	627	651	455	115	216	70	145
14		225	326	413	669	638	674	441	89	231	71	177
15		232	308	555	677	650	722	420	114	230	65	178
16		236	280	547	690	682	717	360	172	242	60	182
17		247	293	516	663	729	735	218	199	215	60	212
18		283	296	482	607	737	772	339	196	241	60	247
19		313	268	441	633	756	745	400	176	238	63	260
20		367	277	369	639	763	687	429	171	240	57	239
21		361	305	396	638	748	676	432	175	242	33	292
22		354	299	423	539	734	701	397	202	213	34	234
23	0	370	282	375	623	745	682	374	195	196	33	234
24	4	370	293	382	625	767	729	314	198	173	35	239
25	52	352	353	466	593	748	734	301	203	156	34	230
26	53	376	396	443	572	720	731	325	204	148	34	230
27	71	388	428	401	636	690	668	329	198	149	33	212
28	269	368	342	419	651	678	653	330	179	155	35	200
29	226	346	346	402	641	616	663	319	187	157	29	195
30	225	322	322	490	651	600	637	275	198	150	133	161
31	174	329	329	625	625	630	630	215	145	145	207	207
TOTAL	2,431	7,513	10,140	13,804	18,449	18,133	21,019	12,609	5,748	6,403	2,357	5,812
MAX.	269	388	428	612	690	767	772	595	247	270	172	260
MIN.	0	132	268	337	485	320	605	215	89	145	29	35
MEAN	78	268	327	460	595	604	678	407	192	207	79	187
TOTAL AC. FT.	4,822	14,901	20,114	27,379	36,596	35,966	41,692	25,011	11,399	12,702	4,674	11,530

WHOLE YEAR- TOTAL, 124,418 MAXIMUM, 772 MEAN, 341 MINIMUM, 0 TOTAL AC. FT., 246,786

Year: 1985

**NORTH KERN WATER STORAGE DISTRICT
LERDO CANAL DIVERSION SUMMARY**

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Beardsley Supply	5092	15717	21527	28745	37826	37849	43936	26552	12138	13296	4916	11847	259,441
KRC & I Co. Laterals	74	369	1105	704	594	1256	1725	1337	483	304	62	126	8,177
KRC & I Co. Boosters	102	279	125	482	453	417	333	21	76	107	0	5	2,483
Lined Section Loss	26	46	61	60	61	60	61	60	54	52	22	38	601
KRC & I Co. from Beardsley	207	684	1291	1246	1108	1763	2122	1418	613	463	84	172	11,181
RRID via 1-1-0 Lateral	0	0	0	0	0	0	0	0	0	0	0	0	0
NKWSD via 1-1-0 Lateral	0	0	0	0	0	0	0	0	0	0	0	0	0
Other from Beardsley	0	0	0	0	0	0	0	0	0	0	0	0	0
Lined Section Loss: CWD	8	56	61	60	61	60	61	61	60	61	42	24	615
Lined Section Loss: K-TWD	0	0	7	4	5	2	0	2	0	0	0	0	20
Lined Section Loss: NKWSD	55	66	54	56	56	58	61	60	66	70	116	121	839
Lerdo Canal Total Flow	4822	14901	20114	27379	36586	35966	41642	25011	11399	12702	4674	11530	246,786
KRC & I Co. via 8-1-0	0	0	0	0	0	0	0	0	0	0	0	0	0
City via 8-1-0	12	0	0	0	0	0	0	0	0	0	0	0	12
RRID via 8-1-0	0	0	0	0	0	0	0	0	0	0	0	0	0
CWD Delivered at Sta. "B"	95	1924	3874	7361	10945	11446	12492	9652	4167	4392	1025	286	67,649
CWD 8-0 Deliveries	8	30	232	460	476	952	933	423	244	250	12	0	4,025
Lerdo Loss: to Station "B"	1	19	39	74	109	114	125	96	42	44	10	2	675
Lerdo Loss: 8-0 Deliveries	0	1	5	9	10	19	11	7	5	5	0	0	72
Cawelo WD Total from Lerdo	104	1974	4150	7904	11540	12531	13566	10178	4443	4691	1047	288	72,421
K-TWD Delivered @ Sta. "B"	0	0	337	230	242	89	0	73	0	0	0	0	971
Lerdo Loss: to Station "B"	0	0	7	4	5	2	0	2	0	0	0	0	20
K-TWD Total from Lerdo	0	0	344	234	247	91	0	75	0	0	0	0	991
Minnehoma Land & Farming	2	10	4	0	0	0	0	0	0	0	0	0	16
TWI from gate 8-23-006	0	0	0	0	0	0	0	0	0	0	0	0	0
North Kern WSD from Lerdo	4704	12917	15616	19241	24809	23344	28126	14758	6951	8011	3627	11242	173,346

DISCHARGE IN CUBIC FEET PER SECOND

1985

TOTAL FLOW VIA THE CALLOWAY CANAL HEADGATE

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	22	29	35	45	40	54	50	49	32	26	21
2	0	21	21	39	47	39	53	51	53	43	32	21
3	0	20	22	41	46	27	61	54	45	42	32	21
4	15	19	26	44	45	25	61	53	36	40	33	35
5	74	21	15	40	45	41	56	57	35	42	32	34
6	64	21	22	47	47	46	55	60	44	39	25	34
7	140	21	21	36	40	49	55	54	45	36	25	35
8	216	19	21	44	43	52	56	56	45	34	26	32
9	253	20	24	43	37	52	59	57	45	28	25	29
10	217	19	22	41	37	55	62	53	38	38	26	41
11	218	20	25	43	31	49	65	54	27	37	23	51
12	223	24	29	46	38	55	57	49	28	40	19	78
13	226	21	26	50	46	57	56	46	29	39	21	54
14	230	19	25	50	47	56	56	59	34	31	22	82
15	250	19	26	53	43	56	58	51	47	34	22	51
16	265	23	27	53	44	53	59	55	42	40	21	73
17	248	26	34	54	37	58	58	55	35	38	14	75
18	256	21	22	40	40	61	59	49	35	36	27	87
19	257	19	21	33	43	60	61	46	37	35	29	86
20	252	18	24	36	46	60	62	51	39	34	26	80
21	239	20	22	28	47	55	55	51	39	31	20	84
22	237	25	22	35	53	54	58	47	42	28	21	81
23	216	26	30	36	52	59	56	54	51	29	22	79
24	204	32	29	41	51	56	61	48	44	31	21	80
25	174	24	27	36	52	55	64	52	42	32	21	79
26	185	16	23	35	44	47	64	56	46	36	13	80
27	175	19	22	46	48	56	63	53	35	34	21	81
28	33	27	21	49	47	63	59	51	43	36	22	79
29	15	27	23	46	43	59	57	53	43	35	22	78
30	21	21	29	42	38	52	53	49	36	25	11	76
31	23	28	28	46	46	53	53	48	36	21	11	83
TOTAL	4,579	602	766	1,263	1,368	1,541	1,811	1,630	1,212	1,076	703	1,995
MAX.	265	32	34	58	53	63	65	60	63	43	33	87
MIN.	0	16	15	28	31	25	53	47	27	21	11	21
MEAN	157	22	25	42	44	51	58	53	40	35	23	64
TOTAL AC. FT.	9,677	1,194	1,519	2,505	2,714	3,057	3,592	3,233	2,404	2,135	1,994	3,957

WHOLE YEAR- TOTAL, 18,846 MAXIMUM, 265 MINIMUM, 0 MEAN, 52 TOTAL AC. FT., 37,381

DISCHARGE IN CUBIC FEET PER SECOND

1985

TOTAL FLOW PASSING SEVENTH STANDARD LINE VIA CALLOWAY CANAL
FOR NORTH KERN WSD

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	0	0	0	0	0	0	0	0	0	0
2												
3												
4												
5												
6	0											
7	43											
8	86											
9	105											
10	131											
11	139											
12	149											
13	149											
14	154											
15	171											
16	185											
17	169											
18	177											
19	178											
20	173											
21	150											
22	156											
23	137											
24	132											
25	108											
26	133											
27	129											
28	6											
29	0											
30	0											
31	0											
TOTAL	2,966	0	0	0	0	0	0	0	0	0	0	0
MAX.	185											
MIN.	0											
MEAN	96											
TOTAL AC. FT.	5,883	0	0	0	0	0	0	0	0	0	0	0

WHOLE YEAR: TOTAL, 2,966 MAXIMUM, 185 MINIMUM, 0 MEAN, 96 TOTAL AC. FT., 5,883

**NORTH KERN WATER STORAGE DISTRICT
CALLOWAY CANAL DIVERSION SUMMARY**

Quantities in acre-feet

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
+ Total Flow at Headworks	4677	1194	1519	2505	2714	3057	3592	3233	2404	2135	1394	3957	37,381
- KCWA Turnout from Calloway	42	1037	1355	2244	2541	2500	3426	3094	2285	2012	1275	1726	23,984
- Seepage Loss	102	111	123	119	123	119	123	123	119	123	119	123	1,487
= Flow at Measuring Station	4423	46	41	145	50	38	43	16	0	0	0	2108	11,910
+ CVC Inflow to Calloway	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
+ Friant-Kern Inflow	0	0	0	0	0	0	0	0	0	0	0	0	0
- KRC & I Calloway Deliveries	0	0	0	0	0	0	0	0	0	0	0	0	0
+ KRC & I 1-1-0 Inflow	0	0	0	0	0	0	0	0	0	0	0	0	0
- Seepage Loss	3211	46	41	145	50	38	43	16	0	0	0	2108	6,498
= Flow at Laborer Weir	6212	0	0	0	0	0	0	0	0	0	0	0	6,212
- KRC & I Calloway Deliveries	8	0	0	0	0	0	0	0	0	0	0	0	8
- RRID at Headworks	0	0	0	0	0	0	0	0	0	0	0	0	0
- Seepage Loss	333	0	0	0	0	0	0	0	0	0	0	0	333
+ NKWSD 8-1-0 Inflow	12	0	0	0	0	0	0	0	0	0	0	0	12
= Flow at 7th Standard Line	5883	0	0	0	0	0	0	0	0	0	0	0	5,883
- For Rosedale Ranch ID	0	0	0	0	0	0	0	0	0	0	0	0	0
= For North Kern WSD	5883	0	0	0	0	0	0	0	0	0	0	0	5,883
KCWA													
+ Operating Loss	30	139	155	149	150	149	155	153	135	139	133	135	1,625
+ Turnout No.4 to River	2	4	0	0	0	0	0	0	0	0	0	0	329
+ ID No.4 Treatment Plant	74	1005	1323	2211	2511	2870	3394	3004	2269	1916	1261	1086	23,064
+ CVC Backflow/Filling Loss	0	0	0	0	0	0	0	0	0	0	0	0	305
+ Bartell Spreading	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Spreading below Mm. Station	17	46	41	145	50	38	43	16	0	0	0	2108	2,504
+ Total Diverted	123	1194	1519	2505	2714	3057	3592	3233	2404	2135	1394	3957	27,827
+ Cally. Irrigation Deliveries	8	0	0	0	0	0	0	0	0	0	0	0	8
+ Delivery Loss/Spreading	8	0	0	0	0	0	0	0	0	0	0	0	8
= Total Diverted	16	0	0	0	0	0	0	0	0	0	0	0	16
+ Flow at Headworks	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Flow at 7th Std. Line	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Assigned Loss	0	0	0	0	0	0	0	0	0	0	0	0	0
= Total Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Flow at 7th Std. Line	5883	0	0	0	0	0	0	0	0	0	0	0	5,883
+ Total Loss	3667	0	0	0	0	0	0	0	0	0	0	0	3,667
= Total Diverted	4550	0	0	0	0	0	0	0	0	0	0	0	9,550
CITY - RRID													
+ Flow at Headworks	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Flow at 7th Std. Line	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Assigned Loss	0	0	0	0	0	0	0	0	0	0	0	0	0
= Total Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
+ Flow at 7th Std. Line	5883	0	0	0	0	0	0	0	0	0	0	0	5,883
+ Total Loss	3667	0	0	0	0	0	0	0	0	0	0	0	3,667
= Total Diverted	4550	0	0	0	0	0	0	0	0	0	0	0	9,550
NKWSD													

DISCHARGE IN CUBIC FEET PER SECOND

1985

POSO CREEK NATURAL FLOW AS MEASURED AT HIGHWAY "199"
(as reported by North Kern WSD)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	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	19	66	0	0	0	0	0	0	0	0	0
MAX.	0	12	23	0	0	0	0	0	0	0	0	0
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	2	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	37	135	0	0	0	0	0	0	0	0	0
WHOLE YEAR- TOTAL,	87											
MAXIMUM,	23											
MINIMUM,	0											
MEAN,	0											
TOTAL AC. FT.,	172											

DISCHARGE IN CUBIC FEET PER SECOND 1985 POSO CREEK NATURAL FLOW UTILIZED BY NORTH KERN WSD
(as reported by North Kern WSD)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	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	19	68	9	0	0	0	0	0	0	0	0
MAX.	0	12	23	9	0	0	0	0	0	0	0	0
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	1	2	0	0	0	0	0	0	0	0	0
TOTAL AC. FT.	0	37	135	0	0	0	0	0	0	0	0	0

WHOLE YEAR:- TOTAL, **87** MAXIMUM, **23** MEAN, **0** MINIMUM, **0** TOTAL AC. FT., **172**

DISCHARGE IN CUBIC FEET PER SECOND 1985 NORTH KERN WSD PAYBACK TO CAMELO WD

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	0	0	0	0	0	0	0	0	21	10
2	0	0	0	0	0	0	0	0	0	0	41	0
3	0	0	0	0	0	0	0	0	0	0	45	0
4	0	0	0	0	0	0	0	0	0	0	27	0
5	0	0	0	0	0	0	0	0	0	0	31	0
6	0	0	0	0	0	0	0	0	0	0	27	0
7	0	0	0	0	0	0	0	0	0	0	30	0
8	0	0	0	0	0	0	0	0	0	0	9	0
9	0	0	0	0	0	0	0	0	0	0	26	0
10	0	0	0	0	0	0	0	0	0	0	26	0
11	0	0	0	0	0	0	0	0	0	0	27	0
12	0	0	0	0	0	0	0	0	0	0	8	0
13	0	0	0	0	0	0	0	0	0	0	9	0
14	0	0	0	0	0	0	0	0	0	0	10	0
15	0	0	0	0	0	0	0	0	0	0	11	0
16	0	0	0	0	0	0	0	0	0	0	9	0
17	0	0	0	0	0	0	0	0	0	0	9	0
18	0	0	0	0	0	0	0	0	0	0	10	0
19	0	0	0	0	0	0	0	0	0	0	11	0
20	0	0	0	0	0	0	0	0	0	0	9	0
21	0	0	0	0	0	0	0	0	0	0	9	0
22	0	0	0	0	0	0	0	0	0	0	10	0
23	0	0	0	0	0	0	0	0	0	0	11	0
24	0	0	0	0	0	0	0	0	0	0	11	0
25	0	0	0	0	0	0	0	0	0	0	9	0
26	0	0	0	0	0	0	0	0	0	0	6	0
27	0	0	0	0	0	0	0	0	0	0	7	0
28	0	0	0	0	0	0	0	0	0	0	9	0
29	0	0	0	0	0	0	0	0	0	0	6	0
30	0	0	0	0	0	0	0	0	0	0	7	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	406	93
MAX.	0	0	0	0	0	0	0	0	0	0	43	10
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	14	3
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	806	185

WHOLE YEAR:- TOTAL, 499 MAXIMUM, 43 MEAN, 1 TOTAL AC. FT., 991

DISCHARGE IN CUBIC FEET PER SECOND

1985

NORTH KERN WSD PAYBACK TO KERN COUNTY WATER AGENCY

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	0	0	0	0	0	0	0	0	0	225
2	0	0	0	0	0	0	0	0	0	0	0	172
3	0	0	0	0	0	0	0	0	0	0	0	228
4	0	0	0	0	0	0	0	0	0	0	0	244
5	0	0	0	0	0	0	0	0	0	0	0	221
6	0	0	0	0	0	0	0	0	0	0	0	215
7	0	0	0	0	0	0	0	0	0	0	0	173
8	0	0	0	0	0	0	0	0	0	0	0	149
9	0	0	0	0	0	0	0	0	0	0	0	116
10	0	0	0	0	0	0	0	0	0	0	0	48
11	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	2,059	1,791
MAX.	0	0	0	0	0	0	0	0	0	0	309	244
MIN.	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	69	58
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	4,084	3,553

WHOLE YEAR:- TOTAL, 3,850 MAXIMUM, 309 MEAN, 11 MINIMUM, 0 TOTAL AC. FT., 7,637

DISCHARGE IN CUBIC FEET PER SECOND

1985

NORTH KERN WSD EXCHANGE WATER DELIVERED TO IMPROVEMENT DISTRICT NO. 4
(per terms of NKWSD/City/I.D.#4 Exchange Agreement dated 12-13-85)

DATE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	0	0	0	0	0	0	0	0	0	0	0	0
2												
3												
4												
5												
6												
7												
8												
9												0
10												0
11												0
12												0
13												0
14												0
15												0
16												0
17												0
18												0
19												0
20												0
21												0
22												0
23												0
24												0
25												0
26												0
27												0
28		0										0
29												0
30				0		0	0	0	0	0	0	0
31												0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	3,253
MAX.												216
MIN.												0
MEAN												105
TOTAL AC. FT.	0	0	0	0	0	0	0	0	0	0	0	6,452

WHOLE YEAR- TOTAL, 3,253 MAXIMUM, 216 MEAN, 9 MINIMUM, 0 TOTAL AC. FT., 6,452

NORTH KERN WATER STORAGE DISTRICT
STATUS OF EXCHANGE

Year: 1985

Quantities in acre-feet

	CWD		K-TWD		KCWA		JPID		I. D. NO. 4					
	to	from	to	from	to	from	to	from	to	from	to	from	to	from
Jan	0	2818	0	397	0	7637	0	6853	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Apr	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
Jun	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Jul	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Aug	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sep	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Oct	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Nov	806	0	0	0	1084	0	0	0	0	0	0	0	0	0
Dec	185	0	0	0	3553	0	0	0	6452	0	0	0	0	0
Year	991	0	0	0	7637	0	0	0	6452	0	0	0	0	0
	1,827		397		0		6,853		6,452					

**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
1983 NKWSD to CITY	0											0	0
CITY to NKWSD	0											0	0
CITY Debit to NKWSD	24700	24700	24700	24700	24700	24700	24700	24700	24700	24700	24700	24700	
Other Purchase Rate	0											0	0

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1984 NKWSD to CITY	0		0	192	0					0	10000	0	10,192
CITY to NKWSD	0		0	61	0	9939	0					0	10,000
CITY Debit to NKWSD	24700	24700	24700	24831	24831	14892	14892	14892	14892	14892	24892	24892	
Other Purchase Rate	0											0	0

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1985 NKWSD to CITY	0							0	34	108	6582	2676	9,550
CITY to NKWSD	0				0	10000	0					0	10,000
CITY Debit to NKWSD	24892	24892	24892	24892	24892	14892	14892	14892	14926	15034	21566	24442	
Other Purchase Rate	0											0	0

COST ALLOCATION AND WATERMASTER SUMMARIES

CARRIER CANAL SYSTEM - ALLOCATION

Utilization of Water - Preceding Five Years

Year: 1985

Quantities in acre-feet

	1981	1982	1983	1984	1985	Five Year Total	Allocation Percentage
① TOTAL CARRIER CANAL FLOW	99824	366875	498767	281646	178420	1,433,532	100.00%
Total Stine Canal Diverted (Includes Farmers via Stine) ②	30543	45147	47808	49598	44652	217,748	15.19%
Total Buena Vista Canal Diverted ②	25939	35272	44237	40068	37000	182,516	12.73%
KERN DELTA WD TOTAL DIVERTED FROM CARRIER	50482	80449	92045	89666	81652	400,264	27.92%
KERN RIVER CONDUIT (City of Bakersfield)	43342	286456	406722	199980	96768	1,033,268	72.08%

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 CANAL USED

Preceding Ten Years

Year	Diverted From River				
	NKWS	CITY	Subtotal	* ID #4	TOTAL
1976	0	0	0	-	0
1977	742	3415	4157	-	4157
1978	83536	31884	115420	-	115420
1979	39276	23245	62521	-	62521
1980	114256	60017	174273	-	174273
1981	1575	6970	8545	-	8545
1982	108213	21457	129670	37494	167164
1983	132111	21645	153756	31768	185464
1984	10478	4607	15085	16534	31619
1985	9550	4	9554	27827	37381
Total	499,737	173,244	672,981	113,563	786,544
Percent	74.26%	25.74%	100%		

* Includes TO #4 to River Channel

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

CALLOWAY AND BEARDSLEY CANALS

Allocation of Joint Accounts

1985

Quantities in acre-feet

BEARDSLEY CANAL USED

Preceding Five Years

Year	Diverted via Beardsley Canal		
	NKWS	CITY	TOTAL
1981	135498	10312	145810
1982	197466	21661	219127
1983	214200	8450	222650
1984	215983	19725	235708
1985	170968	17850	188818
Total	934,115	77,998	1,012,113
Percent	92.29%	7.71%	100%

HYDROGRAPHIC SUMMARY

UTILIZATION OF WATER - FIRST POINT GROUP - PRECEDING FIVE YEARS

Year: 1985

Quantities in acre-feet

Canal	1981	1982	1983	1984	1985	Five Year Total	Percentage
Kern Island	141508	146675	123609	153920	150150	715262	19.78%
Eastside	20308	23212	21497	22531	20904	105482	3.00%
Buena Vista	20489	28740	43815	28299	25082	146475	4.05%
Stine	21445	31749	33530	36071	32230	155025	4.29%
Farmers	12791	18651	23196	20832	18117	93687	2.59%
Subtotal Kern Delta WD	216541	249027	245727	261153	240483	1,218,931	33.71%

City of Bakersfield	43836	173813	349970	156421	95944	819981	22.68%
Kern River Laterals	4058	13836	7670	11287	10724	52575	1.45%
Central (Calloway)	6899	51999	42808	18701	27508	147915	4.09%
James	284	14713	23186	3684	0	41867	1.16%
Pioneer	505	35366	78425	12895	0	127191	3.52%
Plunket	6	376	0	0	0	382	0.01%
Subtotal City of Bakersfield	60588	290103	502059	202988	134173	1,189,911	32.91%

North Kern WSD	139314	316386	350249	224185	176990	1,207,124	33.38%
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Total First Point Group	416443	855516	1098035	688326	557662	3,615,982	100.00%
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- Note:
ALL FIGURES REFLECT
GROSS DIVERSIONS...

South Fork	1673	2317	1988	2761	2192		
Castro	24	34	0	0	0		
Subtotal "Minor" Canals	1697	2351	1988	2761	2192		

1st Pt. passing Second Point	0	24109	164286	33183	0		
River Loss and Spreading	15177	70408	80349	26572	45283		

Total 1st Pt Group Diverted (Includes Lake Ming)	15177	952,384	1,344,658	750,842	605,121		
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KERN RIVER WATER MASTER

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 1985

Year	Acre-Foot Days of Irrigation Storage			Isabella O. & M. ② Charges
	① N.K.W.S.D.	B.V.W.S.D.	Total A.F.D.	
1981	48,387,513	21,695,595	70,083,108	\$ 91,598
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
5-Year Totals	341,432,681	164,421,860	505,854,541	\$593,024

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

- Total 5-Year Operation & Interest Charge \$1,736,274

Total 5-Year Cost	=	\$1,736,274	=	\$0.0034324
Total 5-Year Use		505,854,541		Rental Charge Per Acre-Foot Day

TOTAL 1985 HACIENDA W.D. Acre-Foot Storage Days = 8,726,581

TOTAL <u>1985</u> HACIENDA W.D. Share of <u>1985</u> Storage Costs =	<u>\$29,953.12</u>
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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 WATER MASTER

Quantities in Acre-Feet Year 1985

	Total Storage in Reservoir*	Total Water Surface Area*	Area Attributable to Rec. Pool*	Total Reservoir Loss	County of Kern	
					Ming Lake Net Inflow	Recreation Pool Loss
Jan.	244979	7463	550	1139	16	85
Feb.	244085	7447	550	1287	16	95
March	234660	7279	570	1749	44	137
April	232337	7237	575	3894	60	248
May	308034	8472	460	6375	77	294
June	375559	9384	385	8622	105	349
July	367627	9284	395	9025	127	446
Aug.	288060	8171	485	7650	121	541
Sept.	226163	7124	585	4441	91	393
Oct.	203510	6688	630	3287	65	325
Nov.	191236	6438	655	1577	42	159
Dec.	191494	6444	655	885	26	81
	195516	6527	645			

Recreation Pool	TOTALS	19,931	790	3,153
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15,125 C.F.S.D.
30,000 Acre-Feet

*NOTE: Last day of Month

KERN RIVER WATERMASTER

SUMMARY OF KERN RIVER RUNOFF
(Monthly, to Date & Current Year)

1985 APRIL thru JULY Runoff = 424,293 acre-feet
(89% of Mean (Average) / 112% of Median (Most Probable))

Quantities in Acre-Feet

Year 1985

Month	Calendar Year				Entitlement		
	First Point Reg.	Nat.	NKWS	BVWS	HWD		
Jan.	A0133	A0423	A0423				
To Date	A0133	A0423	A0423				
Feb.	A8686	A0610	A0610				
	88819	81033	81033				
Mar.	53821	53371	A2075	11296			
	142640	134404	123108	11296			
Apr.	56358	136241	96964	39277			
	198998	270645	220072	50573			
May	72506	146799	104311	A2488			
	271504	47444	324383	93061			
June	98757	99858	73476	26382			
	370261	517302	397859	119443			
July	111385	41395	34694	7301			
	A81040	558697	A31953	126744			
Aug.	77728	23956	22200	1753			
	559574	582653	A54156	128497			
Sep.	34973	17024	17024				
	594347	599677	A71180	128497			
Oct.	25355	6495	16495				
	619652	616172	A87675	128497			
Nov.	26333	22314	22314				
	639855	638486	509989	128497			
Dec.	28986	33945	33945				
Year	668,971	672,431	543,934	128,497			

Month	Water Year				Entitlement		
	First Point Reg.	Nat.	NKWS	BVWS	HWD		
Oct.	A1726	26428	26428				
To Date	A1726	26428	26428				
Nov.	37420	35020	35004	16			
	79146	61448	61432	16			
Dec.	A7770	39495	39495				
	126916	100943	100927	16			
Jan.	A0133	A0423	A0423				
	167049	141366	141350	16			
Feb.	A8686	A0610	A0610				
	215735	181976	181960	16			
Mar.	53821	53371	A2675	11296			
	269556	235347	224035	11312			
Apr.	56358	136241	96964	39277			
	325914	371583	320999	50589			
May	72506	146799	104311	A2488			
	398420	518367	A25010	93077			
June	98757	99858	73476	26382			
	497177	618245	A98786	119459			
July	111385	41395	34094	7301			
	608562	659640	532880	126760			
Aug.	77728	23956	22203	1753			
	686246	683596	555083	128513			
Sep.	34973	17024	17024				
Year	721,263	700,620	572,107	128,513			

January 1985

REPORT of the KERN RIVER WATERMASTER

QUANTITIES IN C.F.S. DAYS EXCEPT WHERE NOTED...

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	TOTAL FLOW ABOVE 1st Pt.	CHANGE IN STORAGE + LOSS + FLOW ABOVE FIRST POINT	COMPUTED 1st POINT NATURAL FLOW	MEAN STORAGE RECREATION POOL = 15,218 C.F.S.D. + DEAD STORAGE = 30,184 AC.FT.		KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT END PT.	DAY											
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE FEET						C.F.S. DAYS	TOTAL				IRRIGATION										
1	2571.57	244979	13	600	1	644	622	123510	108992	1	0	1											
2	2571.57	244979	25	627	1	576	602	123488	108270	2		2											
3	2571.55	244829	23	634	1	563	571	123437	108219	2		3											
4	2571.53	244680	30	671	1	552	567	123350	108132	2		4											
5	2571.49	244383	25	691	0	566	555	123215	107997	2		5											
6	2571.45	244085	20	677	1	547	533	123054	107836	1		6											
7	2571.41	243787	3	766	1	923	923	122909	107691	0		7											
8	2571.45	244085	15	747	1	951	951	123060	107842	1		8											
9	2571.50	244458	15	722	1	774	774	123248	108030	1		9											
10	2571.51	244531	13	710	1	688	714	123284	108069	1		10											
11	2571.50	244458	23	767	0	766	678	123274	108056	2		11											
12	2571.51	244531	38	713	1	641	644	123242	108024	3		12											
13	2571.48	244309	25	689	0	525	576	123134	107916	2		13											
14	2571.43	243936	13	682	1	621	586	123016	107798	1		14											
15	2571.41	243787	13	710	1	612	610	122906	107688	1		15											
16	2571.38	243564	28	825	0	628	610	122802	107584	2		16											
17	2571.32	243117	23	822	1	621	640	122569	107351	2		17											
18	2571.26	242671	13	844	0	671	655	122363	107145	1		18											
19	2571.21	242302	10	849	1	673	752	122161	106923	1		19											
20	2571.17	241931	38	760	1	911	781	122053	106835	3		20											
21	2571.19	242153	13	853	1	788	795	122035	106817	1		21											
22	2571.26	242671	15	876	0	715	712	122333	107115	1		22											
23	2571.32	243117	15	859	1	662	676	122555	107357	1		23											
24	2571.37	243489	17	853	0	658	642	122758	107540	1		24											
25	2571.42	243862	15	876	1	605	593	122930	107712	1		25											
26	2571.45	244085	8	620	1	516	516	123031	107813	1		26											
27	2571.42	243862	30	644	0	674	596	123000	107782	1		27											
28	2571.42	243862	10	631	1	604	611	122924	107706	2		28											
29	2571.41	243787	15	540	0	555	580	122893	107675	1		29											
30	2571.41	243787	15	528	1	522	576	122918	107700	1		30											
31	2571.42	243862	15	447	1	576	576	122947	107729	1	0	31											
31	2571.45	244085	123060					123060	107842		0	31											
TOTAL												574	20,254	22	20,380	20,380	45	0					
TOTAL												1139	40,133	43	40,423	40,423	85	0					
TOTAL																			244,055	213,901			

BY: CORTIZ/LAFOND
DATE: FEBRUARY 7, 1985

February 1985

REPORT of the KERN RIVER WATERMASTER

QUANTITIES IN C.F.S. DAYS EXCEPT WHERE NOTED...

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	TOTAL FLOW ABOVE 1st Pt.	CHANGE IN STORAGE + FIRST POINT FLOW ABOVE FIRST POINT	COMPUTED 1st POINT NATURAL FLOW	MEAN STORAGE RECREATION POOL + DEAD STORAGE = 30,184 AC.FT.	KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	FRIANT-KERN INFLOW	DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE FEET										
1	2571.45	244085	13	464	576	515	123060	107842	1	9	9	1
2	2571.46	244160	4	461	617	571	123131	107913	0			2
3	2571.50	244458	4	463	580	575	123236	108018	0		6	3
4	2571.53	244680	7	445	528	548	123343	108125			55	4
5	2571.55	244829	13	449	538	512	123438	108220		6	101	5
6	2571.57	244979	22	483	469	512	123487	108269	2	38	101	6
7	2571.56	244904	20	583	528	508	123493	108275	1	102	46	7
8	2571.54	244755	2	679	870	870	123397	108179	0	194	9	8
9	2571.59	245128	15	807	936	936	123585	108367	1	281		9
10	2571.62	245352	11	726	776	713	123698	108480	1	226		10
11	2571.63	245427	11	761	586	711	123673	108455	1	232		11
12	2571.58	245054	44	841	773	681	123610	108392	3	257		12
13	2571.55	244829	33	836	683	702	123405	108187	2	272		13
14	2571.50	244458	26	810	649	676	123237	108019	2	251		14
15	2571.45	244085	33	924	695	703	123076	107858	2	283		15
16	2571.38	243564	26	1036	764	732	122821	107603	2	334		16
17	2571.30	242969	26	1084	737	787	122489	107271	2	358		17
18	2571.20	242228	24	1133	859	748	122165	106947	2	361		18
19	2571.12	241634	37	1094	648	810	121755	106537	3	327		19
20	2570.99	240674	24	1121	922	795	121433	106215	2	314		20
21	2570.93	240230	26	1123	815	845	121082	105864	2	322		21
22	2570.84	239566	28	1103	799	808	120777	105559	2	284		22
23	2570.75	238905	28	1117	812	821	120453	105235	2	273		23
24	2570.66	238243	39	1145	852	837	120128	104910	3	275		24
25	2570.57	237582	32	1184	848	859	119780	104562	2	255		25
26	2570.47	236850	26	1217	876	881	119422	104204	2	282		26
27	2570.37	236118	43	1243	919	904	119058	103840	3	289		27
28	2570.27	235388	32	1214	880	880	118675	103457	3	269		28
29	2570.17	234660					118308	103090				29
30												30
31												31
TOTAL	C.F.S. DAYS	649	24,546	31	20,474	20,474	234,660	20,476	48	6,109	303	
TOTAL	ACRE FEET	1287	48,686	62	40,610	40,610			95	12,117	600	

BY: CORTIZ/LAFOND
DATE: MARCH 7, 1985

DAY	NORTH KERN WATER STORAGE DISTRICT			BUENA VISTA WATER STORAGE DISTRICT			HACIENDA WATER DISTRICT							
	ENT'L AT 1st POINT	FLOW ABOVE 1st PK (L. Min)	RESERVOIR STORAGE LOSS	ENT'L	Via CWD	WATER DELTA WD	AT 2nd POINT	ABOVE 1st PK	RESERVOIR STORAGE LOSS	ENTITLEMENT	FLOW FOR KWVA	ABOVE 1st PK	RESERVOIR STORAGE LOSS	DAY
1	549	410	546004		0	0	0	0	4		0	0	20533	1
2	571	422	54726		0	0	0	0	1		0	0	20505	2
3	575	424	54873		0	0	0	0	1		0	0	20480	3
4	548	408	55022		0	0	0	0	2		0	0	20456	4
5	512	405	55157		0	0	0	0	4		0	0	20434	5
6	512	378	55257		19	27	35	0	7		0	0	20406	6
7	508	420	55380		11	26	102	0	6		0	0	20380	7
8	870	425	55458		6	31	194	0	1		0	0	20352	8
9	926	450	55901		22	27	281	0	1		0	0	20331	9
10	713	440	56379		6	28	246	0	3		0	0	20301	10
11	711	461	56646		9	33	232	0	3		0	0	20274	11
12	681	506	56889		13	38	257	0	13		0	0	20246	12
13	702	487	57041		10	42	272	0	9		0	0	20210	13
14	676	472	57238		25	41	251	0	7		0	0	20179	14
15	703	556	57426		21	41	283	0	9		0	0	20154	15
16	732	589	57555		31	56	332	0	7		0	0	20125	16
17	787	618	57683		27	53	355	0	7		0	0	20094	17
18	748	661	57836		30	56	361	0	6		0	0	20062	18
19	810	652	57909		31	61	327	0	10		0	0	20033	19
20	795	700	58046		32	55	344	0	6		0	0	20003	20
21	845	698	58126		29	50	322	0	7		0	0	19979	21
22	808	715	58259		31	44	284	0	7		0	0	19950	22
23	821	719	58336		32	44	270	0	7		0	0	19916	23
24	837	746	58421		33	36	275	0	10		0	0	19882	24
25	859	770	58490		31	43	265	0	8		0	0	19842	25
26	881	802	58561		61	46	282	0	6		0	0	19808	26
27	904	818	58624		69	45	289	0	11		0	0	19787	27
28	880	793	58686		77	44	269	0	8		0	0	19756	28
29			58755										19719	29
30														30
31														31
S.F.D.	20,474	15,955	58,755		736	1,053	6,109	15	174		641	8	19,719	S.F.D.
AC.F.T.	40,610	31,645	116,539		1,464	2,089	12,117	31	345		1,371	15	39,112	AC.F.T.
TOTAL AC.F.T. STORAGE DAYS														3,170,934
TOTAL AC.F.T. STORAGE DAYS														1,641,732
TOTAL AC.F.T. STORAGE DAYS														1,118,010

QUANTITIES IN C.F.S. DAYS EXCEPT WHERE NOTED...

March 1985

REPORT of the KERN RIVER WATERMASTER

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	TOTAL FLOW ABOVE 1st Pt.	CHANGE IN STORAGE + FIRST POINT FLOW ABOVE FIRST POINT	COMPUTED 1st POINT NATURAL FLOW	MEAN STORAGE RECREATION POOL + DEAD STORAGE		KERN COUNTY RECREATION POOL LOSS	2 ND POINT GROUP FLOW AT 2 ND PT.	DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE FEET						C.F.S. DAYS	TOTAL			
1	2570.17	234660	18308	1161	2	739	805	118308	103090	1	247	1
2	2570.05	233787	17868	1109	2	936	815	117934	102716	1	218	2
3	2570.00	233425	17685	1002	1	770	838	117630	102412	2	199	3
4	2569.93	232917	17429	1038	2	809	749	117442	102224	2	144	4
5	2569.86	232410	17173	934	1	668	790	117126	101908	2	74	5
6	2569.78	231830	16881	882	3	895	781	116956	101738	1	69	6
7	2569.74	231543	16736	903	1	779	813	116842	101624	2	73	7
8	2569.68	231109	16518	951	2	764	780	116731	101513	2	96	8
9	2569.64	230821	16372	918	2	798	766	116529	101311	2	85	9
10	2569.59	230460	16190	907	2	737	771	116351	101133	1	78	10
11	2569.51	229884	15900	1025	2	778	759	116203	100985	3	43	11
12	2569.43	229310	15611	1022	1	762	754	115894	100676	2	9	12
13	2569.34	228663	15284	1019	1	721	730	115597	100379	2		13
14	2569.27	228161	15031	936	3	708	727	115279	100061	2		14
15	2569.22	227805	14852	903	1	751	726	115045	99827	2		15
16	2569.17	227447	14671	866	3	718	726	114841	99623	2		16
17	2569.12	227089	14491	859	1	710	706	114668	99450	2		17
18	2569.07	226732	14311	848	3	689	710	114484	99266	1		18
19	2569.05	226589	14239	771	2	731	714	114325	99107	2		19
20	2569.02	226375	14131	784	1	723	699	114236	99018	4		20
21	2568.97	226020	13952	764	3	642	750	114104	98886	4		21
22	2568.99	226163	14024	769	2	885	776	114033	98815	3		22
23	2569.00	226234	14060	717	3	802	822	113996	98778	4		23
24	2569.01	226304	14095	699	2	780	786	114052	98834	4		24
25	2569.01	226304	14095	745	2	775	777	114093	98875	2		25
26	2569.04	226518	14203	799	3	932	932	114095	98877	2	0	26
27	2569.32	228520	15212	970	2	2001	2001	114203	98985	2	90	27
28	2569.51	229884	15900	793	2	1513	1513	115212	99994	2	55	28
29	2569.63	230748	16336	702	2	1177	1177	115900	100682	3	16	29
30	2569.74	231543	16736	670	3	1104	1104	116336	101118	2	0	30
31	2569.85	232337	17137	669	2	1111	1111	116736	101518	3	0	31
TOTAL											1487	
TOTAL											2929	

BY: LARON KORTIEZ
DATE: APRIL 5, 1985

NORTH KERN WATER STORAGE DISTRICT				BUENA VISTA WATER STORAGE DISTRICT				HACIENDA WATER DISTRICT									
DAY	ENT'L AT 1st POINT	FLOW AT 1st POINT	RESERVOIR		ENT'L AT 2nd POINT	FLOW			LOSS	STORAGE	ENTITLEMENT	FLOW		LOSS	STORAGE	DAY	
			LOSS	STORAGE		Via CWD	VAR KERN DELTA WD.	AT 2nd POINT				ABOVE 1st PT.	ABOVE 1st PT.				RESERVOIR
1	562	872	1	58755	253	0	42	247	1	4	24616			0	3	19719	1
2	651	850	0	58425	164	0	41	218	1	2	24573			1	1	19716	2
3	667	766	0	58221	171	0	37	199	1	0	24477			0	1	19714	3
4	606	863	1	58109	143	0	31	144	0	0	24405			1	1	19710	4
5	634	826	0	57836	156	0	34	74	1	0	24367			0	1	19705	5
6	625	779	1	57629	153	0	34	69	1	2	24468			1	2	19701	6
7	650	790	0	57471	163	0	40	73	1	5	24450			0	0	19695	7
8	627	816	1	57319	153	0	39	96	1	7	24499			0	0	19690	8
9	615	800	0	57112	148	0	33	85	1	0	24509			1	1	19685	9
10	621	795	1	56916	150	0	34	78	1	2	24592			0	2	19683	10
11	613	937	0	56735	146	0	45	43	1	10	24567			1	7	19675	11
12	610	970	1	56587	144	0	52	0	0	7	24614			0	5	19670	12
13	593	966	0	56010	137	0	53	0	1	7	24699			0	5	19665	13
14	591	877	1	55621	136	0	59	0	1	5	24775			1	4	19660	14
15	590	840	0	55321	136	0	63	0	1	0	24846			0	5	19655	15
16	590	792	1	55056	136	0	74	0	1	0	24912			1	0	19645	16
17	577	792	0	54857	129	0	67	0	1	0	24965			0	0	19642	17
18	580	790	1	54606	130	0	58	0	1	0	25018			1	0	19638	18
19	582	720	1	54385	132	0	51	0	1	0	25084			0	0	19632	19
20	572	736	1	54230	127	0	48	0	1	12	25156			0	5	19624	20
21	607	714	1	54039	143	0	50	0	1	14	25226			1	10	19615	21
22	625	719	1	53901	151	0	50	0	1	11	25301			0	5	19605	22
23	656	673	1	53783	166	0	44	0	1	12	25390			1	0	19596	23
24	631	619	1	53739	155	0	38	0	1	11	25499			0	0	19585	24
25	625	692	1	53725	152	0	83	0	1	7	25502			0	5	19583	25
26	701	651	1	53731	201	0	62	0	1	0	25569			1	4	19578	26
27	1460	759	1	53748	541	0	59	0	1	0	25609			0	4	19574	27
28	1127	654	1	54487	386	0	53	0	1	0	25935			1	5	19568	28
29	898	582	1	54942	279	0	79	0	1	10	26172			0	7	19561	29
30	648	573	1	55237	256	0	72	0	1	8	26320			1	0	19554	30
31	553	550	1	55494	258	0	83	0	1	10	26470			0	7	19547	31
S.F.D.	21,216	23,676	22	499	5,695	553	1,422	1,487	27	224	26,596			1.3	159	19,547	S.F.D.
AC.FT.	42,075	46,955	44	970	11,296	1,076	2,821	2,949	54	444	52,756			2.5	315	38,771	AC.FT.
TOTAL AC.FT. STORAGE DAYS																	3,421,240
TOTAL AC.FT. STORAGE DAYS																	1,544,157
TOTAL AC.FT. STORAGE DAYS																	1,207,661

April 1985

REPORT of the KERN RIVER WATERMASTER

QUANTITIES IN C.F.S. DAYS EXCEPT WHERE NOTED...

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	TOTAL FLOW ABOVE 1st Pt.	CHANGE IN STORAGE + LOSS + FIRST POINT FLOW ABOVE FIRST POINT	COMPUTED 1st POINT NATURAL FLOW	MEAN STORAGE RECREATION POOL + DEAD STORAGE = 30,184 AC.FT.		KERN COUNTY RECREATION POOL LOSS	2 ND POINT GROUP FLOW AT 2 ND PT.	DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE FEET						C.F.S. DAYS	TOTAL			
1	2569.85	232337	117137	51	781	111	1385	117137	101919	4	9	1
2	2570.00	233425	117685	45	890	140	1490	117685	102467	4		2
3	2570.15	234515	118235	62	934	146	1496	118235	103017	5		3
4	2570.34	235899	118932	50	902	179	1579	118932	103714	4		4
5	2570.59	237728	119855	60	800	177	1493	119855	104637	5		5
6	2570.89	239935	120967	58	792	206	2067	120967	105765	4		6
7	2571.22	242376	122198	59	785	219	2253	122255	107037	4		7
8	2571.58	245054	123548	61	1033	254	2475	123659	108441	4		8
9	2571.96	247900	124983	60	1066	261	2687	125035	109817	4		9
10	2572.37	250991	126541	75	1145	286	2801	126589	111371	5		10
11	2572.79	254180	128149	73	1176	285	2872	128162	112944	5		11
12	2573.21	257394	129770	59	1133	294	2941	129780	114562	4		12
13	2573.65	260783	131478	66	1055	304	3055	131525	116307	4		13
14	2574.14	264588	133397	64	1027	337	3220	133484	118266	4		14
15	2574.70	268974	135608	62	1153	353	3353	135608	120290	4		15
16	2575.24	273242	137760	70	1130	392	3592	137760	122542	4		16
17	2575.71	276986	139647	52	1086	276	2761	139647	124429	3		17
18	2576.11	280194	141265	59	963	290	2443	141265	126047	4		18
19	2576.44	282858	142608	60	890	299	2376	142661	127443	4		19
20	2576.83	286022	144203	35	752	211	2234	144083	128865	2		20
21	2577.17	288797	145602	46	755	193	2086	145525	130307	3		21
22	2577.45	291093	146759	67	809	210	2307	146805	131587	4		22
23	2577.73	293399	147922	89	861	195	1966	148882	132653	5		23
24	2577.97	295384	148923	94	861	188	1968	149910	134692	5		24
25	2578.18	297126	149801	71	960	219	1969	150843	135625	4		25
26	2578.45	299374	150934	61	945	189	1963	151792	136574	3		26
27	2578.66	301128	151819	71	901	182	1804	152620	137402	4		27
28	2578.86	302804	152664	104	802	191	1515	153464	138246	6		28
29	2579.03	304233	153384	88	946	192	1852	154277	139059	5	0	29
30	2579.24	306004	154277	91	1013	203	2103	155301	140083	5	0	30
31	2579.48	308034	155301									31
TOTAL		C.F.S. DAYS	1963	25,414	147	65,685	65,685	308,034	277,850	125	0	
TOTAL		ACRE FEET	3,894	50,358	292	136,241	136,241			243	0	

BY: LAFOND, CORTIZ
DATE: MAY 6, 1985

DAY	NORTH KERN WATER STORAGE DISTRICT			BUENA VISTA WATER STORAGE DISTRICT			HACIENDA WATER DISTRICT		
	ENT'L AT 1st POINT	FLOW AT 1st POINT	RESERVOIR STORAGE	ENT'L AT 2nd POINT	FLOW	RESERVOIR STORAGE	ENT'L	FLOW	RESERVOIR STORAGE
1	1040	706	5774	346	0	26598			19547
2	1111	820	56058	374	0	26873			19536
3	1250	873	56323	445	0	27168			19526
4	1077	851	56667	502	0	27534			19513
5	1454	739	57164	539	0	27970			19503
6	1501	680	57844	560	0	28430			19491
7	1616	733	58632	637	0	28926			19479
8	1755	980	59481	722	0	29493			19467
9	1880	1011	60219	807	0	30143			19455
10	1947	1047	61053	854	0	30875			19443
11	1989	1118	61860	883	0	31655			19429
12	2030	1060	62689	911	0	32458			19415
13	2114	910	63617	971	0	33285			19405
14	2191	815	64783	1029	0	34090			19393
15	2267	945	66122	1086	0	34887			19381
16	2116	957	67408	974	0	35764			19370
17	1925	920	68548	836	0	36523			19358
18	1735	824	69521	710	0	37178			19348
19	1692	734	70395	684	0	37710			19338
20	1604	620	71298	630	0	38238			19329
21	1512	639	72261	574	0	38724			19322
22	1464	715	73107	543	0	39166			19314
23	1436	709	73819	530	0	39531			19303
24	1451	703	74494	537	0	39881			19289
25	1435	701	75188	531	0	40230			19274
26	1434	707	75804	529	0	40559			19262
27	1326	717	76435	478	0	40887			19252
28	1333	681	77002	482	0	41158			19242
29	1356	702	77594	494	0	41426			19226
30	1541	830	78139	592	0	41708			19212
31			78797			42088			19198
S.F.D.	46,886	24,723	78,797	19,002	2,455	42,088			19,198
AC.FT.	46,964	49,037	156,291	31,277	4,875	83,480			38,079

TOTAL AC.FT. STORAGE DAYS 4011.215

TOTAL AC.FT. STORAGE DAYS 2,091.684

TOTAL AC.FT. STORAGE DAYS 1,152.541

REPORT of the KERN RIVER WATERMASTER

May 1985

QUANTITIES IN C.F.S. DAYS EXCEPT WHERE NOTED...

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	TOTAL FLOW ABOVE 1st Pt.	CHANGE IN STORAGE + FIRST POINT FLOW ABOVE FIRST POINT	COMPUTED 1st POINT NATURAL FLOW	MEAN STORAGE RECREATION POOL + DEAD STORAGE	IRRIGATION	KERN COUNTY RECREATION POOL LOSS	2 ND POINT GROUP FLOW AT 2ND PT.
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE FEET									
1	2579.48	308034	98	1085	6	2126	2247	155301	140083	5	
2	2579.70	309901	95	1070	7	2486	2367	156361	141143	5	
3	2580.00	312456	111	1120	6	2486	2567	157530	142312	6	
4	2580.29	314935	99	1079	7	2789	2592	158881	143663	5	
5	2580.66	318116	82	1016	6	2500	2653	160288	145070	4	
6	2580.96	320881	97	1051	6	2670	2617	161835	146617	5	
7	2581.32	323830	100	1080	6	2681	2625	163268	148050	5	
8	2581.66	326795	83	1110	6	2524	2448	164707	149489	4	
9	2581.96	329423	101	1099	6	2137	2284	165956	150738	5	
10	2582.17	331269	58	1059	7	2191	2132	167034	151816	3	
11	2582.41	333385	94	988	6	2066	2106	168042	152824	5	
12	2582.63	335330	94	1018	6	2056	2155	169060	153842	4	
13	2582.84	337193	95	1206	6	2340	2133	170097	154879	4	
14	2583.07	339239	108	1301	6	2600	2278	170921	155703	5	
15	2583.20	340400	103	1347	7	2494	2332	171784	156566	5	
16	2583.43	342456	106	1360	6	2501	2461	172659	157441	5	
17	2583.66	344518	93	1291	8	2389	2446	173659	158441	4	
18	2583.88	346497	117	1240	6	2455	2480	174715	159497	5	
19	2584.12	348663	107	1295	7	2516	2570	175832	160614	5	
20	2584.38	351017	110	1316	6	2657	2605	176993	161775	5	
21	2584.63	353288	113	1357	7	2563	2609	178086	162868	5	
22	2584.86	355353	113	1289	7	2606	2626	179188	163970	5	
23	2585.12	357760	124	1227	7	2699	2682	180402	165184	5	
24	2585.45	360421	132	1209	6	2740	2756	181726	166508	6	
25	2585.71	363184	133	1152	7	2830	2681	183135	167917	6	
26	2586.04	366234	115	1089	6	2474	2550	184524	169306	5	
27	2586.31	368740	99	1100	7	2345	2315	185864	170646	4	
28	2586.54	370882	121	1196	7	2127	2161	186913	171695	5	
29	2586.71	372470	105	1239	6	2010	1976	187748	172530	4	
30	2586.85	373779	92	1220	7	1791	1844	188374	173156	4	
31	2586.95	374716	116	1126	7	1674	1674	188919	173701	5	
31	2587.04	375559	189	1126	7	1674	1674	189344	174126	5	
TOTAL		C.F.S. DAYS	3214	36,556	197	74,011	74,011	375559	345375	148	52
TOTAL		ACRE FEET	6,375	72,506	394	146,799	146,799			294	103

Page 2 Note: CITY OF BAKERSFIELD/NORTH KERN WSD/BUENA VISTA WSD
 Instantaneous 2,800 acre well exchange pursuant to letter agreements between CITY/NKMSD (5-10-85) and CITY/BWMSD (5-17-85).

BY: LAFOND/CORTEZ
 DATE: JUNE 6, 1985

May 1985

NORTH KERN WATER STORAGE DISTRICT										BUENA VISTA WATER STORAGE DISTRICT										HACIENDA WATER DISTRICT									
DAY	ENT'L AT 1st POINT	FLOW AT 1st POINT	FLOW ABOVE 1st PT. (L. 1000)	RESERVOIR		ENT'L AT 2nd POINT	FLOW				RESERVOIR		ENTITLEMENT	FLOW		RESERVOIR		DAY											
				LOSS	STORAGE		CITY 2800 Acre Well Exch.	Vic CWD	Via REEM DELTA WD	AT 2nd POINT	ABOVE 1st PT.	LOSS		STORAGE	ABOVE 1st PT.	LOSS	STORAGE												
1	1612	1034	1	56	78797	665	0	0	21	0	0	29	42088			2	10	19198	1										
2	1686	1070	1	55	79295	661			26			28	42662			3	12	19153	2										
3	1520	1090	1	64	79858	667			24			33	43286			4	14	19165	3										
4	1523	1055	1	56	80517	669			26			30	43994			5	13	19152	4										
5	1559	988	1	47	81200	714			30			25	44704			6	10	19130	5										
6	1536	1045	1	55	82053	771			36			30	45440			7	12	19124	6										
7	1643	1045	1	57	82790	782			35			31	46150			8	12	19110	7										
8	1736	1078	1	47	83530	712			32			26	46864			9	10	19095	8										
9	1635	1060	1	57	84140	649			31			32	47515			10	12	19083	9										
10	1541	1034	1	33	84649	591			25			18	48098			11	7	19069	10										
11	1525	976	1	53	85122	581			12			30	48643			12	11	19059	11										
12	1555	1006	1	53	85617	600			10			30	49179			13	11	19046	12										
13	1541	1190	1	54	86110	592			15			30	49737			14	11	19032	13										
14	1631	1282	1	60	86406	647			19			35	50278			15	13	19019	14										
15	1664	1321	1	58	86694	666			26			33	50868			16	12	19004	15										
16	1744	1328	1	60	86975	717			20			34	51474			17	12	18989	16										
17	1736	1269	2	52	87335	712			22			30	52133			18	11	18975	17										
18	1736	1220	1	66	87740	724			20			38	52790			19	13	18961	18										
19	1510	1274	2	60	88215	700			21			35	53453			20	12	18946	19										
20	1531	1372	1	62	88689	714			24			36	54154			21	12	18932	20										
21	1533	1370	2	62	89085	776			17			38	54866			22	13	18917	21										
22	1841	1205	1	63	89484	782			15			38	55584			23	12	18902	22										
23	1576	1032	2	68	90056	506			17			42	56241			24	14	18887	23										
24	1921	971	1	74	90830	555			21			44	56807			25	14	18871	24										
25	1576	920	2	74	91705	555			26			45	57357			26	14	18855	25										
26	1798	886	1	64	92585	752			25			39	57883			27	12	18838	26										
27	1654	917	2	56	93462	661			30			33	58360			28	10	18824	27										
28	1559	953	1	67	94141	602			33			41	58742			29	13	18812	28										
29	1443	979	2	58	94679	533			29			36	59055			30	11	18796	29										
30	1366	968	1	51	95083	498			23			31	59290			31	10	18783	30										
31	1237	886	2	65	95429	437			16			39	59502			31	12	18770	31										
					95713								52657					18756											
S.F.D.	52,590	33,328	31	1,587	95,713	21,421	25	1,904	748	52	86	1,039	59,657			74	308	16,756	S.F.D.										
AC.FT.	104,311	67,918	77	3,584	189,845	42,486	46	3,776	1,483	103	170	2,061	118,328			147	780	37,202	AC.FT.										
TOTAL AC.FT. STORAGE DAYS										TOTAL AC.FT. STORAGE DAYS										TOTAL AC.FT. STORAGE DAYS									
5,313,505										3,202,840										1,166,467									

QUANTITIES IN C.F.S. DAYS EXCEPT WHERE NOTED...

June 1985

REPORT of the KERN RIVER WATERMASTER

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	TOTAL FLOW ABOVE 1st Pt.	CHANGE IN STORAGE-LOSS + FIRST POINT FLOW ABOVE FIRST POINT	COMPUTED 1st POINT NATURAL FLOW	MEAN STORAGE RECREATION POOL + DEAD STORAGE = 30,184 ACFT.		KERN COUNTY RECREATION POOL LOSS	2 ND POINT GROUP FLOW AT 2 ND PT.
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE FEET						C.F.S. DAYS	TOTAL		
1	2587.04	375559	189344	119	1028	6	1588	189344	74126	5	46
2	2587.13	376405	189771	100	1022	7	1603	189771	74561	4	44
3	2587.23	377346	190245	83	1006	6	1666	190297	75079	3	55
4	2587.37	378663	190909	20	983	8	1684	190868	75650	5	67
5	2587.48	379701	191433	146	1128	5	1834	191441	76223	6	117
6	2587.56	380455	191813	146	1291	8	2087	191996	76778	6	112
7	2587.72	381969	192576	158	1370	6	2305	192638	77420	6	102
8	2587.91	383673	193435	158	1382	7	2346	193409	78191	6	157
9	2588.06	385191	194201	167	1540	6	2327	194210	78992	7	235
10	2588.19	386429	194825	170	1673	8	2332	194824	79606	7	233
11	2588.29	387380	195304	144	1734	5	2276	195285	80067	6	263
12	2588.37	388143	195689	165	1861	8	2226	195677	80459	6	296
13	2588.41	388525	195881	73	1964	6	2192	195871	80653	7	368
14	2588.42	388621	195930	170	2048	7	2176	195926	80708	7	389
15	2588.41	388525	195881	153	2025	7	2185	195885	80667	6	399
16	2588.41	388525	195881	141	2035	7	1976	195769	80551	6	402
17	2588.34	387857	195545	159	2113	7	1894	195561	80343	6	376
18	2588.26	387094	195160	153	2150	7	1765	195117	79899	6	366
19	2588.14	385953	194585	167	2194	8	1745	194578	79360	7	345
20	2588.01	384716	193961	149	2069	6	1650	193929	78711	6	297
21	2587.89	383578	193387	146	1976	6	1462	193324	78106	6	262
22	2587.75	382253	192719	134	1848	7	1321	192672	77454	5	251
23	2587.61	380927	192051	146	1768	7	1255	192029	76811	6	205
24	2587.47	379606	191385	125	1791	7	925	191275	76057	5	230
25	2587.26	377626	190387	145	1705	6	1147	190461	75243	6	205
26	2587.11	376217	189676	139	1581	6	904	189617	74399	6	149
27	2586.95	374716	188919	156	1574	8	483	188924	73706	7	153
28	2586.79	373217	188164	153	1640	7	405	188138	72920	6	189
29	2586.60	371442	187269	127	1622	7	517	187240	72022	5	189
30	2586.40	369579	186330	135	1639	7	716	186330	71112	6	198
31	2586.19	367627	185345					185345	70127		
TOTAL			4247	49790	257	50,345	50,345	367627	337443	176	6,723
TOTAL			8,622	98,757	411	149,858	99,858			349	12,335

Delivered as per terms of HACIENDA WD/KERN DELTA WD Kern River water purchase agreement dated June 6, 1985.

Pages 2 and 5 Note:

BY: LA FOND / CORTEZ
DATE: July 10, 1985

REPORT of the KERN RIVER WATERMASTER

NORTH KERN WATER STORAGE DISTRICT										BUENA VISTA WATER STORAGE DISTRICT										HACIENDA WATER DISTRICT									
DAY	ENT'L AT 1st POINT	FLOW AT 1st POINT	FLOW ABOVE 1st PT. (L. In/ing)	RESERVOIR		ENT'L AT 2nd POINT	CITY 2800 Acre Well Exch.	Via CWD	FLOW		RESERVOIR STORAGE	LOSS	ABOVE 1st PT.	At 2nd Point	Via Kern Delta Wd	FLOW		RESERVOIR STORAGE	LOSS	ABOVE 1st PT.	ENTITLEMENT	FLOW		RESERVOIR STORAGE	DAY				
				LOSS	STORAGE				Loss	Storage						Via Kern Delta Wd	Storage					Loss	Storage			Via Kern Delta Wd	Storage	Loss	Storage
1	178	463	1	67	95713	410	7	0	12	59657	40	2	46	0	0	0	18756	12	0	0	0	18756	1						
2	1219	955	2	54	95860	428	9	0	14	59260	34	3	44	0	0	0	18741	10	2	2	0	18741	2						
3	1231	916	1	46	96066	435	7	0	26	60284	28	2	55	0	0	0	18729	9	3	3	0	18729	3						
4	1244	886	2	67	96332	440	8	0	22	60601	41	3	67	0	0	0	18717	12	3	3	0	18717	4						
5	1346	972	1	81	96621	458	8	0	31	60900	50	2	117	0	0	0	18702	15	2	2	0	18702	5						
6	1513	1131	2	81	96913	574	6	0	32	61180	50	3	112	0	0	0	18685	15	3	3	0	18685	6						
7	1646	1213	1	88	97204	637	7	0	48	61549	54	2	102	0	0	0	18667	16	3	3	0	18667	7						
8	1674	1105	2	88	97550	674	9	0	51	61993	54	3	137	0	0	0	18648	16	2	2	0	18648	8						
9	1661	1245	1	92	97969	666	7	0	53	62393	58	2	135	0	0	0	18630	17	3	3	0	18630	9						
10	1652	1349	2	94	98292	660	8	0	63	62704	59	3	233	0	0	0	18610	17	3	3	0	18610	10						
11	1629	1406	1	80	98499	646	8	0	51	62978	50	2	263	0	0	0	18590	14	2	2	0	18590	11						
12	1600	1500	2	92	98641	628	8	0	53	63250	57	3	246	0	0	0	18568	16	3	3	0	18568	12						
13	1582	1344	1	96	98647	616	2	0	47	63461	60	2	368	0	0	0	18545	17	3	3	0	18545	13						
14	1573	1604	2	94	98588	611	6	0	44	63598	59	3	399	0	0	0	18522	17	3	3	0	18522	14						
15	1502	1564	2	85	98461	567	7	0	50	63708	53	2	374	0	0	0	18498	15	3	3	0	18498	15						
16	1442	1534	2	78	98312	533	8	0	51	63764	49	2	402	0	0	0	18475	14	3	3	0	18475	16						
17	1347	1683	2	87	98105	488	8	0	42	63785	56	3	376	0	0	0	18453	16	3	3	0	18453	17						
18	1324	1740	2	84	97680	477	8	0	61	63788	54	2	366	0	0	0	18431	15	3	3	0	18431	18						
19	1268	1765	2	92	97178	452	7	0	67	63774	59	3	346	0	0	0	18408	16	3	3	0	18408	19						
20	1149	1691	2	81	96584	420	8	0	65	63742	53	2	297	0	0	0	18385	15	2	2	0	18385	20						
21	1103	1646	2	80	96009	375	8	0	54	63737	52	3	262	0	0	0	18360	14	3	3	0	18360	21						
22	1013	1531	2	73	95384	333	7	0	49	63733	48	2	251	0	0	0	18337	13	3	3	0	18337	22						
23	891	1410	2	80	94791	276	6	0	43	63709	52	3	205	0	0	0	18311	14	2	2	0	18311	23						
24	852	1275	2	68	94190	257	6	0	231	63580	45	2	230	0	0	0	18287	12	3	3	0	18287	24						
25	787	1229	2	78	93694	227	7	0	222	63285	52	3	205	0	0	0	18264	15	3	3	0	18264	25						
26	800	1154	2	75	93172	225	6	0	225	62989	50	2	149	0	0	0	18238	14	2	2	0	18238	26						
27	745	1146	2	84	92741	207	7	0	217	62753	56	3	153	0	0	0	18212	16	3	3	0	18212	27						
28	711	1175	2	83	92254	191	7	0	223	62479	55	2	189	0	0	0	18187	15	3	3	0	18187	28						
29	672	1152	2	69	91705	174	8	0	221	62161	45	3	189	0	0	0	18156	13	3	3	0	18156	29						
30	638	1172	2	73	91154	158	7	0	289	61834	48	2	148	0	0	0	18124	14	3	3	0	18124	30						
31					90545					61492							18090					18090	31						
S.F.D.	37044	37167	56	2392	90545	15301	443	1655	1270	6723	74	1521	61492	152	50	434	18090	152	50	434	18090	S.F.D.							
AC.FT.	73476	75877	105	4744	179594	26382	442	6282	2519	16335	146	3017	121968	302	158	861	35881	302	158	861	35881	AC.FT.							
TOTAL AC.FT. STORAGE DAYS										TOTAL AC.FT. STORAGE DAYS										TOTAL AC.FT. STORAGE DAYS									
5710.690										3727.265										1097.990									

June 1985

REPORT of the KERN RIVER WATERMASTER

DAY	USE OF HACIENDA WD WATER AT 1st Pt.	RESERVOIR	
		Loss	Storage
1	0	N/A	0
2			
3			
4			
5			
6			
7			
8			
9			
10	0		0
11	0		7562
12	4		7556
13	3		7552
14	5		7549
15	5		7544
16	5		7539
17	4		7534
18	5		7530
19	4		7525
20	6		7521
21	6		7516
22	10		7507
23	8		7497
24	8		7489
25	6		7481
26	10		7473
27	6		7465
28	13		7457
29	17		7444
30	17	N/A	7427
31			7410

S.F.D.	152	N/A	7410
Ac.Ft.	302	N/A	14,698
Total acre-foot Storage Days		N/A	N/A

FLOW	FLOW ABOVE 1st Pt.	RESERVOIR	
		Loss	Storage
0	3	12	15756
	2	10	15741
	3	9	15729
	3	12	15717
	2	15	15702
	3	15	15685
	3	15	15667
	2	16	15648
	3	16	15630
	3	17	15610
	3	17	15590
	2	14	15570
	3	16	15545
	3	17	15522
	2	17	15496
	3	15	15475
	3	14	15453
	2	16	15431
	3	15	15408
	3	16	15385
	2	15	15360
	3	14	15337
	3	13	15311
	2	14	15287
	3	12	15264
	3	15	15238
	2	14	15212
	3	16	15187
	3	15	15156
	2	13	15124
0	3	14	15090

0	80	434	10,680
0	158	861	21,183
Total acre-foot Storage Days		N/A	N/A

FLOW AT FIRST POINT	FLOW ABOVE 1st Pt.	RESERVOIR		DAY
		Loss	Storage	
	3	12	15756	1
	2	10	15741	2
	3	9	15729	3
	3	12	15717	4
	2	15	15702	5
	3	15	15685	6
	3	15	15667	7
	2	16	15648	8
	3	16	15630	9
	3	17	15610	10
0	3	17	15590	11
0	2	14	15570	12
4	3	16	15545	13
3	3	17	15522	14
5	2	17	15496	15
5	3	15	15475	16
5	3	14	15453	17
4	2	16	15431	18
5	3	15	15408	19
4	3	16	15385	20
6	2	15	15360	21
6	3	14	15337	22
10	3	13	15311	23
8	2	14	15287	24
8	3	12	15264	25
6	3	15	15238	26
10	2	14	15212	27
6	3	16	15187	28
13	3	15	15156	29
17	2	13	15124	30
17	3	14	15090	31

152	80	404	15,090
302	158	861	35,981
Total acre-foot Storage Days			1,097,990

QUANTITIES IN C.F.S. DAYS EXCEPT WHERE NOTED...

July 1985

REPORT of the KERN RIVER WATERMASTER

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	TOTAL FLOW ABOVE 1st Pt.	CHANGE IN STORAGE + FIRST POINT FLOW ABOVE FIRST POINT	COMPUTED 1st POINT NATURAL FLOW	MEAN STORAGE RECREATION POOL + DEAD STORAGE		KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.				
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE FEET						C.F.S. DAYS	TOTAL			IRRIGATION			
1	2586.19	367627	150	1690	9	821	802	185345	170127	6	231				
2	2585.97	365587	167	1661	6	764	828	184296	169080	7	261				
3	2585.74	363461	173	1738	10	898	813	183245	168079	8	325				
4	2585.52	361432	169	1803	9	776	819	182182	167164	7	375				
5	2585.26	359042	148	1824	9	782	795	181020	165802	7	353				
6	2585.00	356663	162	1762	6	826	794	179834	164616	7	333				
7	2584.76	354470	153	1757	9	773	774	178676	163478	7	346				
8	2584.51	352196	152	1841	10	724	723	177551	162333	7	345				
9	2584.23	349659	143	1790	8	671	752	176271	161053	7	300				
10	2583.95	347129	174	1768	9	861	783	175076	159858	8	307				
11	2583.71	344968	174	1856	9	816	802	173908	158640	8	366				
12	2583.44	342545	167	1812	9	726	745	172671	157453	8	362				
13	2583.16	340042	152	1698	9	691	690	171428	156210	7	301				
14	2582.90	337726	129	1768	9	653	635	170259	155041	6	291				
15	2582.62	335241	137	1585	9	501	634	168188	153770	6	357				
16	2582.29	332325	148	1905	6	687	624	167591	152575	7	285				
17	2581.98	329599	144	1839	9	673	660	166154	150936	7	234				
18	2581.67	326883	121	1816	9	670	627	164822	149604	6	239				
19	2581.38	324352	112	1782	9	589	643	163503	148285	6	236				
20	2581.08	321746	103	1738	9	671	702	162243	147025	5	277				
21	2580.81	319409	156	1725	9	647	746	161095	145877	5	317				
22	2580.57	317340	164	1758	10	720	698	159951	144733	5	332				
23	2580.29	314935	138	1803	6	527	630	158717	143499	7	339				
24	2579.96	312115	146	1862	10	644	605	157398	142180	8	334				
25	2579.64	309390	126	1876	9	644	642	155985	140767	7	346				
26	2579.32	306679	141	1892	9	640	595	154610	139395	8	364				
27	2578.99	303898	143	1873	9	502	550	153169	137951	8	361				
28	2578.63	300877	148	1908	9	506	481	151694	136476	8	345				
29	2578.26	297789	147	1959	10	433	441	150110	134892	8	347				
30	2577.85	294390	136	1942	8	352	399	148405	133187	8	335				
31	2577.44	291011	127	1790	9	435	435	146718	131500	8	267				
31	2577.08	288060	145230					145230	130012						
TOTAL C.F.S. DAYS											4530	56.157	216	20.870	20.870
TOTAL ACRE FEET											9025	111.385	550	41.315	41.315
TOTAL C.F.S. DAYS											288.060	257.876	225	9.765	9.765
TOTAL ACRE FEET											19.368		446		19.368

Pages 2 and 5 Note:
 Transfer of 10,000 acre-feet (5,042 sfd) from HACIENDA WATER DISTRICT to NORTH KERN WATER STORAGE DISTRICT as per terms of Hacienda WD/North Kern MSD Kern River Water purchase agreement dated June 7, 1985.

BY: LAFOND/CORTEZ
 DATE: AUGUST 5, 1985

July 1985

REPORT of the KERN RIVER WATERMASTER

NORTH KERN WATER STORAGE DISTRICT				BUENA VISTA WATER STORAGE DISTRICT				HACIENDA WATER DISTRICT					
DAY	ENT'L AT 1st POINT	FLOW ABOVE 1st PT. (L. WAG)	RESERVOIR		ENT'L AT 2nd POINT	CITY 2800 Acre Well EREN.	Vig CWD	Vig KERN DELTA WD	ABOVE 1st PT.	LOSS	STORAGE	DAY	
			LOSS	STORAGE									ENTITLEMENT
1	642	1350	51	90545	100	7	0	0	201	4	54	1	
2	640	1261	45	914793	126	6			261	3	60	2	
3	650	1288	46	914045	163	7			325	4	62	3	
4	654	1304	46	913357	165	7			373	4	61	4	
5	638	1350	84	912004	157	8			353	4	36	5	
6	657	1234	41	918006	157	7			333	3	31	6	
7	623	1213	87	91111	151	7			346	4	55	7	
8	581	1306	86	90437	134	7			348	4	55	8	
9	605	1273	81	89627	144	7			300	3	52	9	
10	621	1256	48	88829	134	7			387	4	64	10	
11	642	1320	46	88072	160	8			366	4	64	11	
12	604	1283	45	87214	141	7			362	4	61	12	
13	566	1236	86	86518	124	7			301	3	56	13	
14	528	1335	72	85760	107	8			241	4	48	14	
15	528	1317	77	84909	106	7			287	4	51	15	
16	521	1414	85	83961	103	7			235	3	55	16	
17	545	1404	81	82478	115	5			264	4	54	17	
18	523	1384	67	82031	104	7			239	4	46	18	
19	534	1354	63	81101	109	7			286	3	42	19	
20	574	1348	57	80216	128	6			277	4	37	20	
21	604	1248	86	79353	142	7			317	4	60	21	
22	571	1113	91	78551	127	7			332	4	63	22	
23	525	1055	76	78015	105	6			304	3	63	23	
24	568	1125	81	77377	97	7			334	4	56	24	
25	563	1073	70	76677	109	7			346	4	48	25	
26	501	1053	71	76065	94	7			364	3	54	26	
27	474	1064	80	75401	80	7			361	4	55	27	
28	474	1110	82	74725	57	7			348	4	57	28	
29	396	1186	83	73955	45	8			347	4	56	29	
30	368	1164	76	73080	31	7			335	3	52	30	
31	344	1040	71	72206	44	7			267	4	49	31	
S.F.D.	17,189	55,726	64	2,551	3,681	225	2,187	0	4,765	115	1,674	S.F.D.	
AC.FT.	34,094	76,812	127	5,060	7,301	446	4,338	0	11,368	227	3,360	AC.FT.	
												TOTAL AC.FT. STORAGE DAYS	635,936
												TOTAL AC.FT. STORAGE DAYS	3,518,741

REPORT of the KERN

RIVER WATERMASTER

July 1985

QUANTITIES IN S.F.D.
EXCEPT WHERE NOTED....

DAY	USE OF HACIENDA WATER AT 1st Pt.		RESERVOIR	
	Loss	Storage	Loss	Storage
1	6	7410		
2	7	7305		
3	7	7167		
4	7	7042		
5	6	6921		
6	7	6802		
7	6	6612		
8	6	6415		
9	5	6229		
10	6	6058		
11	6	5884		
12	6	5716		
13	5	5550		
14	4	5391		
15	4	5223		
16	5	5045		
17	4	4846		
18	4	4654		
19	3	4464		
20	3	4276		
21	4	4168		
22	4	4064		
23	4	3969		
24	4	3811		
25	3	3623		
26	3	3387		
27	3	3159		
28	3	2926		
29	3	2691		
30	2	2451		
31	2	2225		
31	2	2014		
S.F.D.	142	2,014		
Ac.Ft.	282	3,995		
Total acre-foot Storage Days		297,695		

FLOW	HACIENDA WATER DISTRICT (Net)		RESERVOIR	
	Flow Above 1st Pt.	Loss	Loss	Storage
0	0	9		10680
	0	5		5626
	4	6		5618
	0	5		5608
	0	5		5600
	0	5		5592
	0	5		5584
	4	5		5576
	0	5		5567
	0	6		5559
	0	6		5550
	0	6		5541
	0	5		5533
	4	5		5524
	0	5		5516
	0	5		5505
	0	5		5500
	0	4		5492
	4	4		5485
	0	4		5477
	0	4		5470
	0	6		5461
	0	6		5452
	0	5		5444
	4	5		5435
	0	5		5427
	0	5		5419
	0	5		5411
	0	6		5402
	4	6		5393
	0	6		5384
0	0	5		5376
0	99	163		5,576
0	196	323		10,663
Total acre-foot Storage Days		338,241		

FLOW AT FIRST POINT	FLOW ABOVE 1st Pt.	HACIENDA WATER DISTRICT (Total)		DAY
		Loss	Storage	
99	0	16	18090	1
131	0	12	17931	2
118	4	13	12855	3
114	0	12	12650	4
113	0	11	12521	5
153	0	12	12394	6
91	0	11	12196	7
180	4	11	11991	8
166	0	10	11796	9
166	0	12	11617	10
162	0	12	11434	11
160	0	11	11257	12
154	4	10	11083	13
164	0	9	10915	14
174	0	9	10789	15
194	0	10	10553	16
188	0	9	10346	17
186	0	8	10146	18
185	4	7	9949	19
105	0	7	9753	20
100	0	10	9638	21
91	0	10	9525	22
154	0	9	9421	23
184	4	9	9255	24
233	0	8	9058	25
225	0	8	8814	26
200	0	8	8578	27
232	0	9	8337	28
237	4	8	8093	29
224	0	8	7844	30
269	0	7	7609	31
269	0	7	7390	31
5,254	99	305	7,390	S.F.D.
10,421	196	605	14,658	Ac.Ft.
Total acre-foot Storage Days		635,936		

REPORT of the KERN RIVER WATERMASTER

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	TOTAL FLOW ABOVE 1st Pt.	CHANGE IN STORAGE LOSS + FLOW ABOVE FIRST POINT	COMPUTED 1st POINT NATURAL FLOW	MEAN STORAGE RECREATION POOL + DEAD STORAGE		KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE FEET						C.F.S. DAYS	TOTAL		
1	2577.08	288060	137	1090	8	439	445	145230	130012	8	216
2	2576.74	285291	125	1552	7	456	461	143540	128672	8	177
3	2576.44	282858	125	1371	8	486	463	142617	127399	8	159
4	2576.19	280839	141	1311	8	446	476	141576	126356	9	136
5	2575.94	278829	148	1388	8	494	422	140591	125373	9	130
6	2575.68	276746	139	1545	7	324	435	139469	124251	9	167
7	2575.34	274935	144	1703	6	497	412	138216	122995	9	244
8	2575.00	271340	139	1542	6	416	435	136773	121555	9	235
9	2574.68	268816	132	1398	6	391	391	135519	120301	9	211
10	2574.39	266541	107	1355	7	367	397	134372	119154	7	231
11	2574.11	264354	133	1330	8	432	384	133300	118082	9	216
12	2573.84	262254	119	1396	6	352	384	132193	116975	8	190
13	2573.54	259932	116	1460	6	367	376	131054	115836	8	184
14	2573.24	257624	118	1402	7	406	383	129899	114691	8	175
15	2572.95	255402	118	1324	6	374	399	128755	113537	8	125
16	2572.67	253267	117	1249	6	417	394	127704	112486	8	143
17	2572.42	251370	114	1446	6	392	396	126724	111506	8	157
18	2572.19	249632	111	1090	7	371	367	125852	110634	8	96
19	2571.97	247975	111	1081	8	331	336	125005	109787	8	72
20	2571.74	246251	108	1086	8	297	327	124141	108923	8	73
21	2571.50	244458	105	1141	6	353	342	123267	108049	8	114
22	2571.26	242671	112	1226	7	376	379	122355	107137	8	222
23	2571.00	240748	114	1217	8	410	395	121389	106171	9	260
24	2570.75	238905	128	1116	6	400	376	120445	105227	10	267
25	2570.52	237215	113	1052	6	319	368	119569	104351	9	242
26	2570.28	235461	132	1126	7	364	367	118734	103516	10	235
27	2570.04	233714	137	1092	8	396	363	117836	102616	11	265
28	2569.81	232047	136	1038	8	310	357	116962	101744	11	231
29	2569.57	230316	118	983	6	456	359	116167	100949	10	197
30	2569.39	229022	128	934	7	311	359	115417	100199	10	209
31	2568.18	227518	132	843	7	299	299	114707	99489	11	210
31	2568.99	226163	14024	114024	7	299	299	114024	98806	11	210
TOTAL		C.F.S. DAYS	3857	39186	239	12078	12078	226163	195979	273	5796
TOTAL		ACRE FEET	7650	77726	474	23956	23956			541	11490

Delivered pursuant to terms of 1985 Kern River exchange agreement by and between HACIENDA WATER DISTRICT and Kern County Water Agency dated June 25, 1985, as amended by letter agreement dated July 24, 1985.

Pages 2 and 5 Note:

BY: LAFOND/CORTEZ
DATE: SEPTEMBER 9, 1985

DAY	NORTH KERN WATER STORAGE DISTRICT				BUENA VISTA WATER STORAGE DISTRICT				HACIENDA WATER DISTRICT									
	ENT'L AT 1st POINT	FLOW AT 1st POINT	FLOW ABOVE 1st Pt. (L. Min)	RESERVOIR STORAGE LOSS	ENT'L AT 2nd POINT	Via CWD	Via KERN DELTA WD	AT 2nd POINT	ABOVE 1st Pt.	LOSS	STORAGE	ENTITLEMENT	FLOW For KCWA	Via KERN DELTA WD	ABOVE 1st Pt.	LOSS	STORAGE	DAY
1	341	1220	2	77	46	0	0	216	0	53	51187		0	246	6	7	7390	1
2	410	1141	2	71	51		177	159		45	50156			227	5	6	7151	2
3	411	1017	2	70	52		159	136		49	50175			156	6	6	6893	3
4	419	989	2	71	56		136	130		55	50612			178	6	7	6693	4
5	383	1023	2	83	39		130	167		58	50469			228	6	7	6592	5
6	314	1103	2	77	44		167	244		55	50513			267	5	7	6261	6
7	370	1203	2	80	36		244	235		57	50127			249	6	7	5132	7
8	342	1119	2	71	45		235	211		56	49655			151	6	6	6720	8
9	362	984	2	73	29		211	155		53	49300			195	6	6	5527	9
10	366	919	2	70	31		155	231		43	49357			42	5	4	5326	10
11	357	931	2	73	27		189	216		54	48951			5	6	6	5269	11
12	357	1001	2	66	27		197	190		45	48510			0	6	5	5252	12
13	361	1013	2	64	24		201	184		45	48914				6	5	5241	13
14	357	1030	2	65	26		190	175		45	47676				5	5	5280	14
15	365	1001	2	65	31		190	125		45	47254				6	5	5270	15
16	304	824	2	66	30		145	145		47	46444				6	5	5259	16
17	366	740	2	63	30		241	157		46	46502				6	5	5195	17
18	346	755	2	61	21		236	98		45	46060				5	5	5167	18
19	325	770	2	61	11		231	72		45	45715				6	5	5177	19
20	316	763	2	59	9		241	73		44	45370				6	5	5166	20
21	324	777	2	58	13		242	114		42	45013				6	5	5155	21
22	354	755	2	62	25		241	222		45	44620				5	5	5144	22
23	365	692	2	63	30		242	260		46	44129				6	5	5134	23
24	352	416	2	71	24		215	267		51	43565				6	5	5123	24
25	346	459	2	63	22		151	242		45	42943				6	5	5111	25
26	346	540	2	74	21		130	235		52	42327				6	6	5100	26
27	345	526	2	77	20		111	265		54	41710				6	6	5069	27
28	359	526	2	77	26		99	231		53	41112				6	6	5077	28
29	340	557	2	67	19		105	197		46	40575				6	5	5065	29
30	340	433	1	72	19		110	209		50	40072				6	6	5054	30
31	294	433	2	75	0		0	169		51	39557				6	6	5025	31
S.F.D.	1,1194	25,594	61	2,145	834		537	5,776	0	1,534	39,119			76	2,006	178	4,916	S.F.D.
AC.F.T.	22,203	50,904	121	4,260	1,753		1,600	11,496	0	3,043	77,591			135	3,979	353	9,540	AC.F.T.
TOTAL AC.F.T. STORAGE DAYS																	335,635	
TOTAL AC.F.T. STORAGE DAYS																	2,832,310	

DAY	KERN DELTA WATER DISTRICT		RESERVOIR	
	USE OF WATER AT 1st Pt.	Loss	Storage	
1	246	2	2014	
2	227	1	1766	
3	188	1	1538	
4	178	1	1349	
5	228	1	1170	
6	267	1	941	
7	249	1	673	
8	181	0	423	
9	195		242	
10	42		47	
11	5		5	
12	0		0	
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31	0	0	0	
S.F.D.	2,000	8	0	
Ac.Ft.	3,979	16	0	
Total acre-foot Storage Days			16,173	

HACIENDA WATER DISTRICT (Net)			
FLOW AT 1st Pt. FOR KCWA	FLOW ABOVE 1st Pt.	RESERVOIR	
		Loss	Storage
0	0	5	5376
	5	5	5325
	6	5	5356
	6	6	5344
	6	6	5332
	6	6	5320
	5	6	5309
	6	6	5297
	6	6	5285
	6	6	5273
	5	4	5264
	6	6	5252
	6	5	5241
	6	5	5230
	5	5	5220
	6	5	5209
	6	5	5198
	6	5	5187
	5	5	5177
	6	5	5166
	6	5	5155
	6	5	5144
	5	5	5134
	6	5	5123
	6	6	5111
	6	5	5100
	5	6	5089
	6	6	5077
	6	6	5065
	6	5	5054
17	6	6	5025
56	5	6	4961
70	178	167	4,961
136	353	331	9,840
Total acre-foot Storage Days			319,462

HACIENDA WATER DISTRICT (Total)			
FLOW AT FIRST POINT	FLOW ABOVE 1st Pt.	RESERVOIR	
		Loss	Storage
246	0	7	7390
227	5	6	7151
188	6	6	6813
178	6	7	6643
228	6	7	6502
267	5	7	6261
249	6	7	5982
181	6	6	5720
195	6	6	5527
42	5	4	5320
5	6	6	5269
0	6	5	5252
	6	5	5241
	6	5	5230
	5	5	5220
	6	5	5209
	6	5	5198
	6	5	5187
	5	5	5177
	6	5	5166
	6	5	5155
	6	5	5144
	5	5	5134
	6	5	5123
	6	6	5111
	6	5	5100
	5	6	5089
	6	6	5077
	6	6	5065
	6	5	5054
17	6	6	5025
56	5	6	4961
2,076	178	175	4,961
4,117	353	347	9,840
Total acre-foot Storage Days			335,635

REPORT OF the KERN RIVER WATERMASTER

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	TOTAL FLOW ABOVE 1st Pt.	CHANGE IN STORAGE+LOSS + FLOW ABOVE FIRST POINT	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE RECREATION POOL = 30,184 ACFT		KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	DAY	
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE FEET						C.F.S. DAYS	TOTAL				IRRIGATION
1	2568.99	226163	144	787	4	244	231	114024	48806	12	156	1	
2	2568.79	224740	115	816	5	260	225	113320	46102	10	140	2	
3	2568.60	223394	96	810	5	199	240	112607	47389	8	139	3	
4	2568.40	221982	39	748	4	260	209	111936	46718	3	129	4	
5	2568.25	220928	44	688	5	347	324	111414	46196	4	115	5	
6	2568.14	220155	52	592	4	365	367	111001	45783	4	36	6	
7	2568.06	219594	77	555	4	310	366	110720	45502	7	48	7	
8	2567.99	219106	82	535	5	345	328	110450	45232	7	59	8	
9	2567.91	218546	80	554	4	260	255	110153	44935	7	47	9	
10	2567.80	217778	72	584	5	171	257	109770	44552	6	68	10	
11	2567.66	216805	69	593	4	351	305	109366	44148	6	105	11	
12	2567.57	216180	66	490	5	386	380	109003	43765	6	88	12	
13	2567.52	215833	92	411	4	408	352	108822	43604	8	106	13	
14	2567.49	215626	87	349	5	266	316	108667	43449	8	74	14	
15	2567.44	215280	84	364	4	275	273	108542	43324	7	69	15	
16	2567.39	214934	89	461	4	275	229	108363	43145	8	60	16	
17	2567.31	214381	94	523	4	135	228	108035	42820	8	46	17	
18	2567.17	213417	35	615	5	273	265	107645	42427	3	123	18	
19	2567.06	212660	51	574	4	388	308	107255	42037	5	133	19	
20	2566.99	212181	61	544	5	264	339	106934	41716	5	138	20	
21	2566.89	211495	76	526	4	364	289	106663	41445	7	140	21	
22	2566.82	211015	75	571	5	235	302	106346	41128	7	135	22	
23	2566.70	210197	75	672	4	305	278	105997	40779	7	146	23	
24	2566.57	209311	95	672	5	292	301	105524	40306	9	103	24	
25	2566.43	208360	77	635	4	306	292	105053	39835	7	72	25	
26	2566.31	207546	75	635	4	279	266	104629	39411	7	78	26	
27	2566.18	206668	62	656	4	214	261	104173	38955	6	71	27	
28	2566.03	205656	54	569	5	240	249	103710	38492	5	46	28	
29	2565.93	204985	54	523	4	242	258	103331	38113	5	0	29	
30	2565.83	204313	67	565	5	232	232	103008	37740	6	0	30	
31	2565.71	203513						102603	37355			31	
TOTAL											198	2655	
TOTAL											393	5272	
TOTAL C.F.S. DAYS											198	173.326	
TOTAL ACRE FEET											203.510	173.326	

BY: LAFOND CORTEZ
DATE: OCTOBER 8, 1985

September 1985

NORTH KERN WATER STORAGE DISTRICT										BUENA VISTA WATER STORAGE DISTRICT										HACIENDA WATER DISTRICT									
DAY	ENT'L AT 1st POINT	FLOW AT 1st POINT	FLOW ABOVE 1st PT (L. Minus)	RESERVOIR		ENT'L	FLOW					RESERVOIR		ENTITLEMENT	FLOW		RESERVOIR		DAY										
				LOSS	STORAGE		CITY 2800 Ace Well Eact.	VIO CWD	VN REIN DELTA WD	A1 2nd POINT	ABOVE 1st Pt	LOSS	STORAGE		For KOWA	ABOVE 1st Pt.	LOSS	STORAGE											
1	231	368	1	82	54726		8	91	101	156	0	55	31119			55	7	1											
2	225	407	2	60	54506		6	105	100	140		44	36700			58	6	2											
3	240	401	2	55	54256		7	107	102	139		37	38303			54	4	3											
4	269	355	1	22	54038		8	105	106	129		15	37911			45	3	4											
5	324	313	2	25	53929		6	104	107	115		17	37546			41	2	5											
6	367	273	2	30	53913		2	107	119	36		20	37197			55	2	6											
7	366	264	1	45	53575		0	104	88	45		29	36913			51	3	7											
8	325	256	2	47	54031			103	93	59		31	36644			48	4	8											
9	255	297	1	47	54075			67	92	47		30	36358			51	3	9											
10	257	313	2	42	53955			63	87	66		27	36122			53	3	10											
11	303	307	1	40	53885			60	75	105		26	35877			40	3	11											
12	350	226	2	39	53840			65	63	85		24	35605			38	3	12											
13	352	210	1	54	53943			14	48	106		34	35365			33	3	13											
14	316	183	2	51	54030			12	42	74		32	35163			38	4	14											
15	273	193	1	50	54110			11	38	69		31	35003			33	3	15											
16	224	275	2	53	54159			36	41	60		32	34854			49	4	16											
17	228	324	1	56	54035			49	56	46		34	34685			43	4	17											
18	265	348	2	21	53895			46	52	123		13	34500			44	3	18											
19	308	303	1	31	53779			52	48	133		18	34264			46	3	19											
20	339	278	2	37	53752			50	31	138		22	34021			47	2	20											
21	284	259	1	46	53774			46	30	140		27	33780			51	3	21											
22	302	294	2	45	53757			60	27	135		27	33537			49	3	22											
23	276	337	1	45	53718			63	33	146		27	33282			58	3	23											
24	301	410	2	57	53563			63	35	103		34	33026			53	3	24											
25	292	355	1	47	53393			55	41	72		27	32785			52	3	25											
26	260	378	2	45	53254			71	33	78		27	32560			55	2	26											
27	261	386	1	38	53015			71	60	79		22	32323			48	3	27											
28	249	333	2	33	52931			76	62	46		19	32077			52	2	28											
29	258	338	1	33	52812			76	56	0		19	31874			53	3	29											
30	232	351	2	41	52648		0	80	57	0		24	31723			47	2	30											
31					52506								31562					31											
S.F.D.	5,553	9,434	46	1,323	52,506		41	2,010	1,944	2,653	0	824	31,562			1,465	92	S.F.D.											
AC.F.T.	17,024	16,711	91	2,625	104,145		82	4,146	3,857	5,472	0	1,634	62,602			2,905	172	AC.F.T.											
TOTAL AC.F.T. STORAGE DAYS										TOTAL AC.F.T. STORAGE DAYS										TOTAL AC.F.T. STORAGE DAYS									
3,196,584										2,069,878										244,615									

October 1985

REPORT of the KERN RIVER WATERMASTER

QUANTITIES IN C.F.S. DAYS EXCEPT WHERE NOTED...

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	TOTAL FLOW ABOVE 1st Pt.	CHANGE IN STORAGE + FLOW ABOVE FIRST POINT	COMPUTED 1st POINT NATURAL FLOW	MEAN STORAGE RECREATION POOL = 15,218 CFS. + DEAD STORAGE = 30,184 AC.FT.		KERN COUNTY RECREATION POOL LOSS	2 ND POINT GROUP FLOW AT 2 ND PT.	DAY					
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE FEET						C.F.S. DAYS	TOTAL				IRRIGATION				
1	2565.71	203510	102603	546	4	284	281	102603	57385	7	0	1					
2	2565.61	202842	102266	544	4	277	287	102263	57045	6		2					
3	2565.51	202174	101929	500	4	301	300	101936	86716	7		3					
4	2565.41	201510	101595	512	4	323	299	101601	86383	7		4					
5	2565.33	200978	101326	449	4	275	261	101305	86090	9		5					
6	2565.25	200448	101059	430	4	186	248	101027	85809	8		6					
7	2565.15	199786	100725	475	4	161	246	100715	85497	5		7					
8	2565.04	199058	100358	488	4	300	229	100403	85185	7		8					
9	2564.96	198532	100093	526	3	225	265	100067	84849	3		9					
10	2564.86	197873	99761	507	4	220	262	99775	84557	6		10					
11	2564.77	197281	99463	441	4	291	266	99469	84251	8		11					
12	2564.70	196823	99232	395	4	242	264	99215	83947	7		12					
13	2564.63	196364	99000	417	3	228	246	98995	83777	4		13					
14	2564.56	195906	98769	450	4	269	299	98782	83564	8		14					
15	2564.48	195385	98507	487	4	281	265	98510	83292	5		15					
16	2564.40	194863	98243	505	3	244	288	98238	83012	6		16					
17	2564.30	194212	97915	441	4	341	271	97946	82725	6		17					
18	2564.25	193888	97752	374	4	227	276	97713	82495	5		18					
19	2564.19	193498	97555	349	3	260	249	97565	82347	5		19					
20	2564.14	193174	97392	366	4	260	232	97391	82173	5		20					
21	2564.09	192850	97229	374	4	172	243	97200	81982	2		21					
22	2564.02	192397	97000	330	4	298	254	97042	81824	3		22					
23	2564.00	192269	96936	322	3	295	299	96934	81716	3		23					
24	2563.98	192140	96871	321	4	305	316	96875	81657	3		24					
25	2563.96	192010	96805	305	4	352	307	96800	81602	5		25					
26	2563.96	192010	96805	293	3	264	306	96775	81557	4		26					
27	2563.94	191881	96740	292	4	301	275	96752	81534	3		27					
28	2563.93	191817	96708	316	4	260	279	96694	81476	4		28					
29	2563.90	191623	96610	330	4	275	271	96615	81397	4		29					
30	2563.87	191450	96513	300	3	279	285	96514	81296	4		30					
31	2563.85	191301	96448	288	4	300	265	96455	81257	4	0	31					
31	2563.84	191236	96415	288	4	300	265	96387	81169	4	0	31					
TOTAL											1657	12,756	117	5,344	5,316	164	0
TOTAL											3287	25,305	232	16,550	16,495	325	0

BY: LAFOND/CORTEZ
DATE: NOVEMBER 6, 1985

October 1985

NORTH KERN WATER STORAGE DISTRICT										BUENA VISTA WATER STORAGE DISTRICT										HACIENDA WATER DISTRICT																																			
DAY	ENT'L AT 1st POINT	FLOW AT 1st POINT	FLOW ABOVE 1st PT. (L. Meq)	RESERVOIR		ENT'L	For KCWA	Via CWD	VM KERN DELTA WD	AI B M POINT	ABOVE 1st PT.	LOSS	STORAGE	ENT'L	For KCWA	Via CWD	VM KERN DELTA WD	AI B M POINT	ABOVE 1st PT.	LOSS	STORAGE	ENT'L	For KCWA	Via CWD	VM KERN DELTA WD	AI B M POINT	ABOVE 1st PT.	LOSS	STORAGE																										
				LOSS	STORAGE																									ENT'L	For KCWA	LOSS	STORAGE	ENT'L	For KCWA	LOSS	STORAGE	ENT'L	For KCWA	LOSS	STORAGE														
1	261	385	1	44	52506		0	77	56	0	0	25	31562		0	77	56	0	0	25	31562		0	77	56	0	0	25	31562																										
2	267	375	1	41	52354			79	59			23	31404			79	59			23	31404			79	59			23	31404																										
3	300	393	2	44	52224			77	57			25	31243			77	57			25	31243			77	57			25	31243																										
4	299	348	1	46	52085			75	54			27	31084			75	54			27	31084			75	54			27	31084																										
5	261	299	1	55	51989			75	33			31	30928			75	33			31	30928			75	33			31	30928																										
6	205	210	1	53	51895			73	25			30	30789			73	25			30	30789			73	25			30	30789																										
7	216	337	2	50	51734			76	31			17	30661			76	31			17	30661			76	31			17	30661																										
8	229	354	1	46	51606			84	27			25	30535			84	27			25	30535			84	27			25	30535																										
9	265	396	1	10	51434			78	33			9	30399			78	33			9	30399			78	33			9	30399																										
10	267	362	1	35	51286			76	45			20	30271			76	45			20	30271			76	45			20	30271																										
11	266	285	1	46	51150			74	55			27	30136			74	55			27	30136			74	55			27	30136																										
12	254	237	1	45	51084			65	54			25	29982			65	54			25	29982			65	54			25	29982																										
13	246	247	1	26	51055			76	56			13	29835			76	56			13	29835			76	56			13	29835																										
14	259	286	1	48	51033			57	61			27	29693			57	61			27	29693			57	61			27	29693																										
15	265	315	1	33	50957			57	56			19	29516			57	56			19	29516			57	56			19	29516																										
16	253	340	1	40	50870			55	48			22	29356			55	48			22	29356			55	48			22	29356																										
17	271	300	1	37	50777			46	23			20	29192			46	23			20	29192			46	23			20	29192																										
18	276	232	1	29	50710			47	16			16	29031			47	16			16	29031			47	16			16	29031																										
19	249	233	1	32	50724			41	15			17	28875			41	15			17	28875			41	15			17	28875																										
20	232	237	1	33	50767			38	19			18	28720			38	19			18	28720			38	19			18	28720																										
21	243	241	1	14	50668			42	20			8	28573			42	20			8	28573			42	20			8	28573																										
22	254	227	1	18	50555			64	23			9	28432			64	23			9	28432			64	23			9	28432																										
23	249	214	1	21	50663			60	21			11	28320			60	21			11	28320			60	21			11	28320																										
24	316	233	1	30	50726			45	24			15	28201			45	24			15	28201			45	24			15	28201																										
25	307	214	1	28	50778			42	24			14	28096			42	24			14	28096			42	24			14	28096																										
26	306	202	1	21	50842			41	22			11	27993			41	22			11	27993			41	22			11	27993																										
27	275	206	1	24	50924			42	18			12	27891			42	18			12	27891			42	18			12	27891																										
28	279	236	1	24	50966			41	14			13	27745			41	14			13	27745			41	14			13	27745																										
29	271	245	1	24	50984			42	22			13	27602			42	22			13	27602			42	22			13	27602																										
30	255	231	1	26	50985			43	26			14	27604			43	26			14	27604			43	26			14	27604																										
31	265	220	1	26	51012			43	25			14	27521			43	25			14	27521			43	25			14	27521																										
S.F.D.	5,310	8,723	33	1,036	51,030			2,180	1,002	0	0	570	27,489			2,180	1,002	0	0	570	27,489			2,180	1,002	0	0	570	27,489																										
AC.F.T.	16,495	17,501	65	2,655	101,218			4,324	2,107	0	0	1,131	54,424			4,324	2,107	0	0	1,131	54,424			4,324	2,107	0	0	1,131	54,424																										
TOTAL AC.FT. STORAGE DAYS																										3,145.649										1,799.467										176,662									

TOTAL AC.FT. STORAGE DAYS

TOTAL AC.FT. STORAGE DAYS

TOTAL AC.FT. STORAGE DAYS

TOTAL AC.FT. STORAGE DAYS

QUANTITIES IN C.F.S. DAYS EXCEPT WHERE NOTED...

November 1985

REPORT OF THE KERN RIVER WATERMASTER

DAY	ISABELLA RESERVOIR		LOSS	FIRST POINT REGULATED FLOW	TOTAL FLOW ABOVE 1st Pt.	CHANGE IN STORAGE +LOSS +FLOW ABOVE FIRST POINT	COMPUTED 1ST NATURAL FLOW	MEAN STORAGE RECREATION POOL + DEAD STORAGE = 30,184 AC.FT.		KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	DAY	
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE FEET						C.F.S. DAYS	TOTAL				IRRIGATION
1	2563.84	191236	96415	276	3	300	263	46387	51169	3	0	1	
2	2563.81	191043	96318	272	2	275	256	46338	51120	3		2	
3	2563.80	190978	96285	267	1	253	255	46288	51070	5		3	
4	2563.79	190914	96253	264	2	267	263	46225	51010	5		4	
5	2563.76	190721	96155	260	1	300	262	46186	50966	4		5	
6	2563.76	190721	96155	275	2	274	260	46145	50930	3		6	
7	2563.75	190658	96123	269	2	262	261	46097	50879	6		7	
8	2563.71	190401	95994	304	2	301	259	46027	50809	6		8	
9	2563.69	190273	95929	300	1	275	289	45920	50702	4		9	
10	2563.67	190144	95864	297	1	289	321	45869	50651	2		10	
11	2563.66	190080	95832	349	2	349	323	45809	50651	2		11	
12	2563.67	190144	95864	336	2	281	332	45825	50607	1		12	
13	2563.65	190076	95800	336	2	315	317	45812	50594	1		13	
14	2563.64	189951	95767	323	1	355	336	45781	50563	3		14	
15	2563.64	189951	95767	317	1	349	324	45762	50544	2		15	
16	2563.64	189951	95767	316	2	274	317	45747	50529	3		16	
17	2563.62	189823	95702	315	1	334	326	45720	50502	2		17	
18	2563.62	189823	95702	322	1	366	356	45712	50494	1		18	
19	2563.63	189887	95735	321	2	368	364	45735	50517	1		19	
20	2563.64	189951	95767	326	1	358	365	45763	50545	3		20	
21	2563.64	189951	95767	339	1	368	345	45770	50552	3		21	
22	2563.64	189951	95767	341	2	309	349	45747	50529	3		22	
23	2563.62	189823	95702	342	1	371	351	45722	50504	3		23	
24	2563.62	189823	95702	346	2	515	515	45702	50484	3		24	
25	2563.67	190144	95864	350	2	450	504	45664	50460	0		25	
26	2563.69	190273	95929	349	1	611	465	45983	50765	0		26	
27	2563.72	190465	96026	449	1	334	426	45934	50716	3		27	
28	2563.67	190144	95864	473	1	598	598	45804	50646	4		28	
29	2563.70	190337	95962	527	2	888	588	45762	50744	3		29	
30	2563.81	191043	96318	522	1	768	758	46318	51100	0	0	30	
31	2563.88	191494	96545	522	1	768	758	46318	51100	1	0	31	
TOTAL											80	0	
TOTAL											159	0	
TOTAL C.F.S. DAYS											191,494	161,510	
TOTAL ACRE FEET											11,250	22,504	

BY: LAFOND/COETZ
DATE: DECEMBER 6, 1985

DAY	NORTH KERN WATER STORAGE DISTRICT			BUENA VISTA WATER STORAGE DISTRICT				HACIENDA WATER DISTRICT			DAY					
	ENT'L AT 1st POINT	FLOW AT 1st POINT	FLOW ABOVE 1st PT. (L. WING)	ENT'L	FOR KWVA	Via CWD	Via KERN DELTA WD	AT 2nd POINT	ABOVE 1st PT.	LOSS		STORAGE	ENTITLEMENT	FLOW	ABOVE 1st PT.	LOSS
1	265	240	1	0	20	15	0	0	0	10	27439			2	1	2700
2	258	254	1	0	0	15	0	0	0	11	27341			1	1	2647
3	255	261	1	0	0	6	0	0	0	15	27362			0	1	2615
4	263	247	1	0	0	7	0	0	0	16	27341			1	1	2694
5	262	241	0	0	0	19	0	0	0	13	27315			1	1	2692
6	260	259	1	0	0	16	0	0	0	11	27286			1	1	2690
7	261	235	1	0	15	16	0	0	0	20	27259			1	2	2655
8	259	273	1	0	23	8	0	0	0	20	27205			1	2	2655
9	289	274	1	0	16	10	0	0	0	13	27154			0	1	2682
10	321	256	0	32	0	9	0	0	0	8	27115			1	1	2681
11	323	341	1	0	0	8	0	0	0	5	27066			1	0	2679
12	332	330	1	3	0	8	0	0	0	2	27053			1	0	2675
13	317	333	1	5	0	5	0	0	0	3	27043			1	0	2677
14	336	323	0	20	0	0	0	0	0	10	27035			1	1	2676
15	324	317	1	13	0	0	0	0	0	7	27025			0	1	2674
16	317	316	1	17	0	0	0	0	0	6	27018			1	1	2673
17	326	315	0	11	0	0	0	0	0	6	27010			1	1	2671
18	356	322	1	7	0	0	0	0	0	3	27004			0	0	2669
19	364	319	1	9	2	2	0	0	0	4	27001			1	0	2668
20	365	316	0	20	10	10	0	0	0	10	26995			1	1	2666
21	346	332	1	15	7	7	0	0	0	9	26975			0	1	2665
22	349	341	1	20	0	0	0	0	0	10	26959			1	1	2663
23	351	342	0	15	0	0	0	0	0	9	26949			1	1	2661
24	515	357	1	2	0	0	0	0	0	1	26940			1	0	2660
25	504	372	1	2	0	8	0	0	0	1	26936			1	0	2659
26	465	469	0	22	0	10	0	0	0	11	26929			1	1	2657
27	426	444	1	23	0	10	0	0	0	12	26916			0	1	2656
28	516	404	0	17	9	10	0	0	0	6	26880			1	1	2654
29	888	527	1	2	0	0	0	0	0	1	26869			1	0	2653
30	753	522	0	5	0	0	0	0	0	3	26866			1	0	2652
31											26865					
S.F.D.	11,250	9,937	21	512	89	20	205	0	0	250	26,865			25	23	2,652
AC.F.T.	22,314	19,711	42	1,015	177	39	406	0	0	516	53,286			50	46	5,260
TOTAL AC.F.T. STORAGE DAYS																159,043
TOTAL AC.F.T. STORAGE DAYS																1,610,115

QUANTITIES IN C.F.S. DAYS EXCEPT WHERE NOTED...

December 1985

REPORT of the KERN RIVER WATERMASTER

DAY	ISABELLA RESERVOIR			LOSS	FIRST POINT REGULATED FLOW	TOTAL FLOW ABOVE 1st Pt.	CHANGE IN STORAGE + FIRST POINT FLOW ABOVE FIRST POINT	COMPUTED 1ST POINT NATURAL FLOW	MEAN STORAGE RECREATION POOL + DEAD STORAGE	KERN COUNTY RECREATION POOL LOSS	2ND POINT GROUP FLOW AT 2ND PT.	DAY
	ELEVATION (FEET)	MIDNIGHT STORAGE ACRE FEET	C.F.S. DAYS									
1	2563.88	191494	96545	5	A90	1	594	694	96545	1	0	1
2	2563.91	191688	96643	5	513	1	1333	1333	96643	1	0	2
3	2564.16	192304	97457	23	585	1	1330	1330	97457	2	0	3
4	2564.38	194733	98178	20	613	1	716	716	98178	2	0	4
5	2564.43	195059	98342	13	638	1	655	655	98342	1	0	5
6	2564.44	195124	98375	13	620	1	601	601	98375	1	0	6
7	2564.43	195059	98342	18	564	1	550	550	98342	2	0	7
8	2564.42	194993	98309	20	A61	1	581	534	98309	2	0	8
9	2564.45	195189	98408	15	A55	1	A71	521	98408	1	0	9
10	2564.45	195189	98408	3	A41	1	511	A76	98408	0	0	10
11	2564.47	195320	98474	8	A56	1	A47	A52	98474	1	0	11
12	2564.47	195320	98474	13	A16	1	399	A27	98474	1	0	12
13	2564.46	195254	98441	20	A14	1	A35	A29	98441	2	0	13
14	2564.46	195254	98441	10	A08	1	A52	A44	98441	1	0	14
15	2564.47	195320	98474	7	A03	1	A44	A50	98474	1	0	15
16	2564.48	195385	98507	15	A05	1	A53	A62	98507	1	0	16
17	2564.49	195450	98539	23	A30	1	A88	A46	98539	2	0	17
18	2564.50	195516	98573	18	A49	1	A82	A56	98573	2	0	18
19	2564.48	195385	98507	23	A46	0	A69	A38	98507	2	0	19
20	2564.48	195385	98507	13	A28	1	A42	A40	98507	1	0	20
21	2564.47	195320	98474	20	A21	1	A69	A31	98474	2	0	21
22	2564.47	195320	98474	18	A24	0	A42	A29	98474	2	0	22
23	2564.47	195320	98474	15	A21	1	A37	A39	98474	1	0	23
24	2564.47	195320	98474	25	A45	1	A38	A40	98474	2	0	24
25	2564.46	195254	98441	18	A60	0	A45	A55	98441	2	0	25
26	2564.45	195189	98408	13	A69	1	A83	A62	98408	2	0	26
27	2564.45	195189	98408	13	A77	1	A58	A49	98408	1	0	27
28	2564.44	195124	98375	3	A68	0	A65	A72	98375	0	0	28
29	2564.42	194993	98309	18	A66	1	553	503	98309	2	0	29
30	2564.44	195124	98375	15	A71	1	619	619	98375	1	0	30
31	2564.48	195385	98507	3	A71	0	540	540	98507	0	0	31
	2564.50	195516	98573									
TOTAL C.F.S. DAYS				A46	14,614	26	17,114	17,114	915,516	41	0	
TOTAL ACRE FEET				885	25,986	52	33,945	33,945	165,332	81	0	

BY: LAFOND-CORTEZ
DATE: JANUARY 9, 1986

DAY	NORTH KERN WATER STORAGE DISTRICT				BUENA VISTA WATER STORAGE DISTRICT				HACIENDA WATER DISTRICT				DAY	
	ENT'L AT 1st POINT	FLOW AT 1st POINT	FLOW ABOVE 1st PT. (L. WASH)	RESERVOIR STORAGE	ENT'L	YR KERN DELTA WD POINT	ABOVE 1st PT.	LOSS	RESERVOIR STORAGE	ENT'L	YR KERN DELTA WD POINT	ABOVE 1st PT.		LOSS
1	594	490	1	51810		0	0	2	26865		0	0	0	2652
2	633	512	0	51910		1	0	2	26863		1	0	0	2652
3	630	581	1	52726		4	0	7	26860		0	0	1	2651
4	798	606	0	53461		7	0	6	26849		1	0	1	2650
5	625	635	1	53640		3	0	4	26836		0	0	0	2648
6	601	620	0	53650		0	0	4	26829		1	0	0	2645
7	560	504	1	53652		0	0	4	26825		0	0	1	2647
8	534	461	0	53636		0	0	6	26819		1	0	1	2646
9	521	449	1	53616		6	0	5	26813		0	0	0	2644
10	476	438	0	53757		3	0	1	26802		1	0	0	2644
11	452	435	1	53793		3	0	3	26795		0	0	0	2643
12	427	415	0	53804		3	0	4	26792		1	0	0	2643
13	429	411	1	53807		3	0	6	26785		0	0	1	2642
14	444	403	0	53811		5	0	6	26776		1	0	0	2641
15	450	395	1	53845		5	0	2	26768		1	0	0	2640
16	462	396	0	53871		9	0	2	26761		1	0	0	2640
17	446	420	1	53947		10	0	5	26747		0	0	1	2639
18	463	442	0	53959		7	0	6	26730		1	0	1	2638
19	456	443	0	53949		3	0	7	26717		0	0	1	2636
20	440	425	1	53939		3	0	4	26707		0	0	0	2635
21	431	416	0	53944		3	0	6	26700		1	0	1	2635
22	429	421	0	53944		3	0	6	26691		0	0	1	2635
23	431	419	1	53941		2	0	6	26682		0	0	0	2632
24	440	443	0	53950		2	0	6	26675		1	0	1	2632
25	453	454	0	53931		6	0	6	26665		0	0	1	2630
26	462	462	1	53921		7	0	4	26653		0	0	0	2629
27	441	471	0	53911		6	0	4	26642		1	0	0	2629
28	472	458	0	53880		10	0	4	26632		0	0	0	2628
29	503	458	1	53892		10	0	6	26621		0	0	1	2628
30	619	464	0	53925		7	0	5	26605		1	0	0	2627
31	540	471	0	54070		0	0	1	26593		0	0	0	2626
				54137					26592					2626
S.F.D.	17,114	14,483	13	54,137		131	0	142	26,592		13	16	16	26,26
AC.F.T.	33,945	28,726	26	107,379		260	0	282	52,744		26	26	26	5,209
TOTAL AC.FT. STORAGE DAYS														
3,305,178														
TOTAL AC.FT. STORAGE DAYS														
162,212														